

**ES60-5 SERIES  
MAIN TRANSMISSION**



**Bulletin No. T210-ES60-5  
Includes CM-59  
October 1988**



*Technology in Motion®*

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**906 W. Gore St.**

**Orlando, FL 32805**



# MODEL ES60-5

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T210-ES60-5

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### RATIO TABLE

| MODELS ES60-5 and MODELS 5952 |                   |                   |                   |                   |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| SPEEDS                        | MODELS            |                   |                   |                   |
|                               | ES60-5A<br>5952-A | ES60-5C<br>5952-C | ES60-5D<br>5952-D | ES60-5E<br>5952-E |
| 1st                           | 7.17              | 7.17              | 7.17              | 6.54              |
| 2nd                           | 3.88              | 4.21              | 3.88              | 3.54              |
| 3rd                           | 2.39              | 2.54              | 2.11              | 1.93              |
| 4th                           | 1.45              | 1.45              | 1.29              | 1.17              |
| 5th                           | 1.00              | 1.00              | 1.00              | 1.00              |
| Rev.                          | 7.17              | 7.17              | 7.17              | 6.54              |

### IDENTIFICATION

The Name Plate (NP-96) affixed to the LEFT side of the Transmission is stamped with information:

SERIAL

B/M No.

MODEL

In requesting more information on these transmissions, furnish the B/M No. and the Serial Number.

Abbreviations used in this parts list include:

N.S. — Not Shown

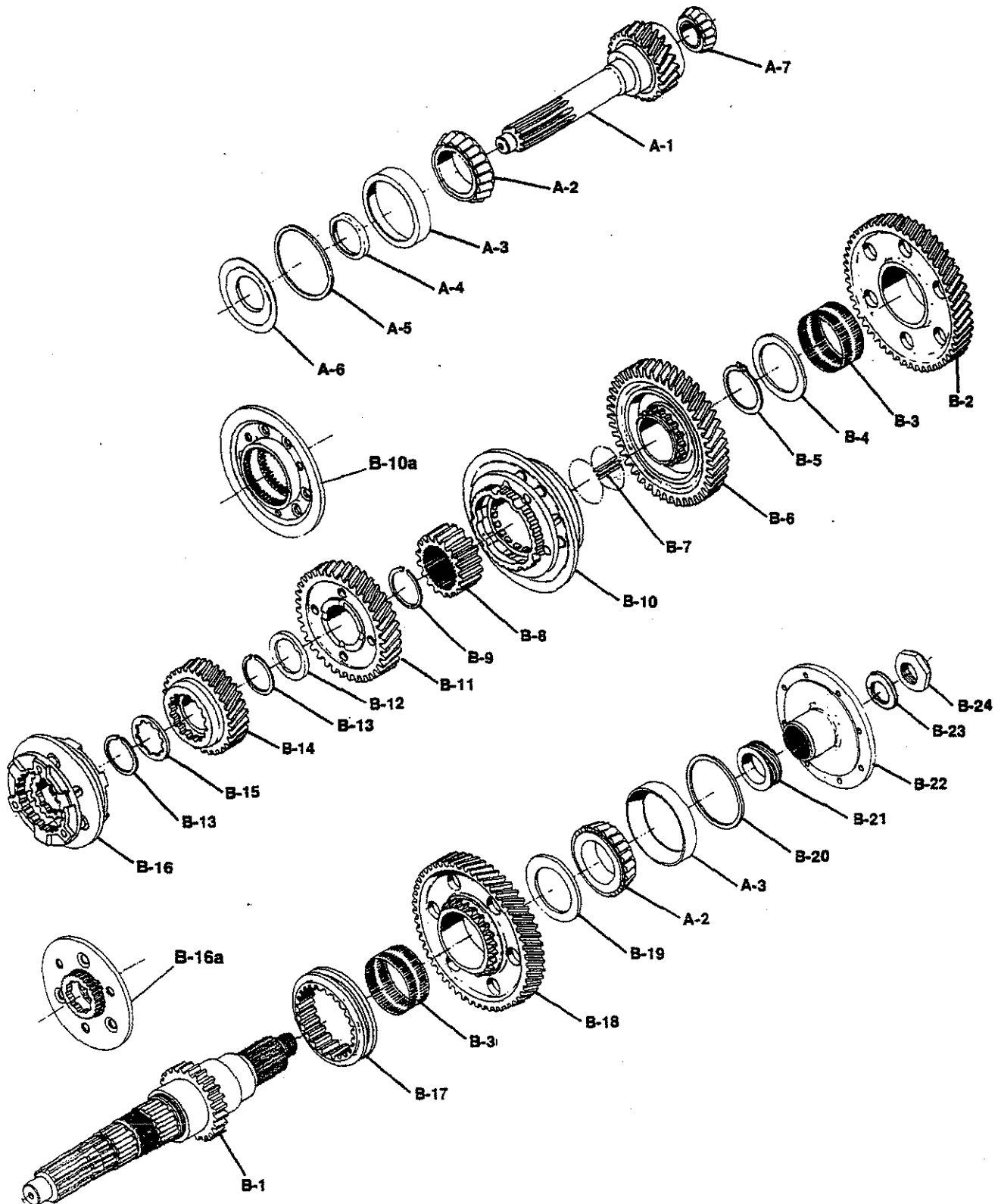
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N.R. — Not Required

# MODEL ES60-5

T210-ES60-5

## GEARS and RELATED PARTS



# MODEL ES60-5

## GEARS and RELATED PARTS

T210-ES60-5

| Ref. No.                      | Part Number   | Part Description                                                              | Qty. |
|-------------------------------|---------------|-------------------------------------------------------------------------------|------|
| <b>DRIVE GEAR GROUP—INPUT</b> |               |                                                                               |      |
| A-1                           | See Tab Bills | Gear—main drive (see drive gear table page 6) . . . . .                       | 1    |
| A-2                           | 550930        | Cone—main drive gear bearing . . . . .                                        | 2    |
| A-3                           | 550929        | Cup—main drive gear bearing . . . . .                                         | 2    |
| A-4*                          | 47-468-2      | Baffle—oil ring drive . . . . .                                               | 1    |
| A-5*                          | 47-228-2-2    | Spacer/Shim . . . . .                                                         | 1    |
| A-6*                          | 47-468-1      | Baffle—bearing cap . . . . .                                                  | 1    |
| A-7                           | 550931        | Cone—main drive gear pocket bearing . . . . .                                 | 1    |
| <b>MAINSHAFT GROUP—OUTPUT</b> |               |                                                                               |      |
| B-1                           | 53-362-3      | Mainshaft . . . . .                                                           | 1    |
|                               | 53-362-8      | Mainshaft—(1 $\frac{3}{4}$ "-10 spline industrial) . . . . .                  | 1    |
| B-2                           | 59-8-10       | Gear—1st speed (42T) . . . . .                                                | 1    |
| B-3                           | 550932        | Bearing—1st & reverse gear needle assembly . . . . .                          | 2    |
| B-4                           | 330866        | Thrust Washer—1st speed gear . . . . .                                        | 1    |
| B-5                           | 27-381-5      | Snap Ring . . . . .                                                           | 1    |
| B-6                           |               | Gear—2nd speed . . . . .                                                      | 1    |
|                               | 59-8-8        | (36T) for ES60-5A, ES60-5D, ES60-5E, 5952A, 5952D, 5952E                      |      |
|                               | 59-8-9        | (37T) for ES60-5C, 5952C                                                      |      |
| B-7                           | 59-482-1-1X   | Bearing Kit—mainshaft 2nd speed needle roller (61 needles) . . . . .          | 1    |
| B-8                           | 59-466-3      | Gear—2nd & 3rd speed clutch (40T) . . . . .                                   | 1    |
| B-9                           | 46-381-1      | Snap Ring . . . . .                                                           | 1    |
| B-10                          | 313536X       | Synchronizer—2nd & 3rd speed (18T) . . . . .                                  | 1    |
| or                            |               |                                                                               |      |
| B-10a                         | 59-465-1      | Clutch Collar (used in place of synchronizer) (40T) . . . . .                 | 1    |
| B-11                          |               | Gear—3rd speed . . . . .                                                      | 1    |
|                               | 59-8-5        | (35T) for ES60-5A, 5952A                                                      |      |
|                               | 59-8-7        | (31T) for ES60-5C, 5952C                                                      |      |
|                               | 59-8-4        | (33T) for ES60-5D, ES60-5E, 5952D, 5952E                                      |      |
| B-12                          | 330818        | Thrust Washer—3rd & 4th speed . . . . .                                       | 1    |
| B-13                          | 53-381-2      | Snap Ring . . . . .                                                           | 2    |
| B-14                          |               | Gear—4th speed . . . . .                                                      | 1    |
|                               | 59-8-1        | (27T) for ES60-5D, ES60-5E, 5952-D, 5952-E                                    |      |
|                               | 59-8-2        | (29T) for ES60-5A, ES60-5C, 5952-A, 5952-C                                    |      |
| B-15                          | 1016-W        | Thrust Washer—4th speed gear . . . . .                                        | 1    |
| B-16                          | 313535X       | Synchronizer—4th & 5th speed (31T/10T) . . . . .                              | 1    |
| or                            |               |                                                                               |      |
| B-16a                         | 59-466-1-1X   | Clutch Gear & Cam Plate<br>(used in place of synchronizer and for industrial) |      |
| B-17                          | 47-465-1      | Clutch Collar—1st & reverse . . . . .                                         | 1    |
| B-18                          | 53-8-1        | Gear—reverse (42T) . . . . .                                                  | 1    |
| B-19                          | 330867        | Thrust Washer—reverse gear . . . . .                                          | 1    |
| B-20                          | 313240-3X     | Spacer & Shim Kit to adjust mainshaft end play . . . . .                      | 1    |
| B-21                          | See Tab Bills | Gear—speedometer drive . . . . .                                              | 1    |
| or                            | 53-37-1       | Spacer—(use in place of speedometer drive gear) . . . . .                     | 1    |
| B-22                          | See Tab Bills | Spacer—end yoke . . . . .                                                     | 1    |
| B-23                          | 53-205-1      | Companion Flange or End Yoke—U-joint . . . . .                                | 1    |
| B-24                          | 501200        | Washer—1 $\frac{1}{4}$ " flat . . . . .                                       | 1    |
|                               |               | Nut—1 $\frac{1}{4}$ "-18 hex . . . . .                                        | 1    |

\*Included in kit 313240-3X

N.S. — Not Shown

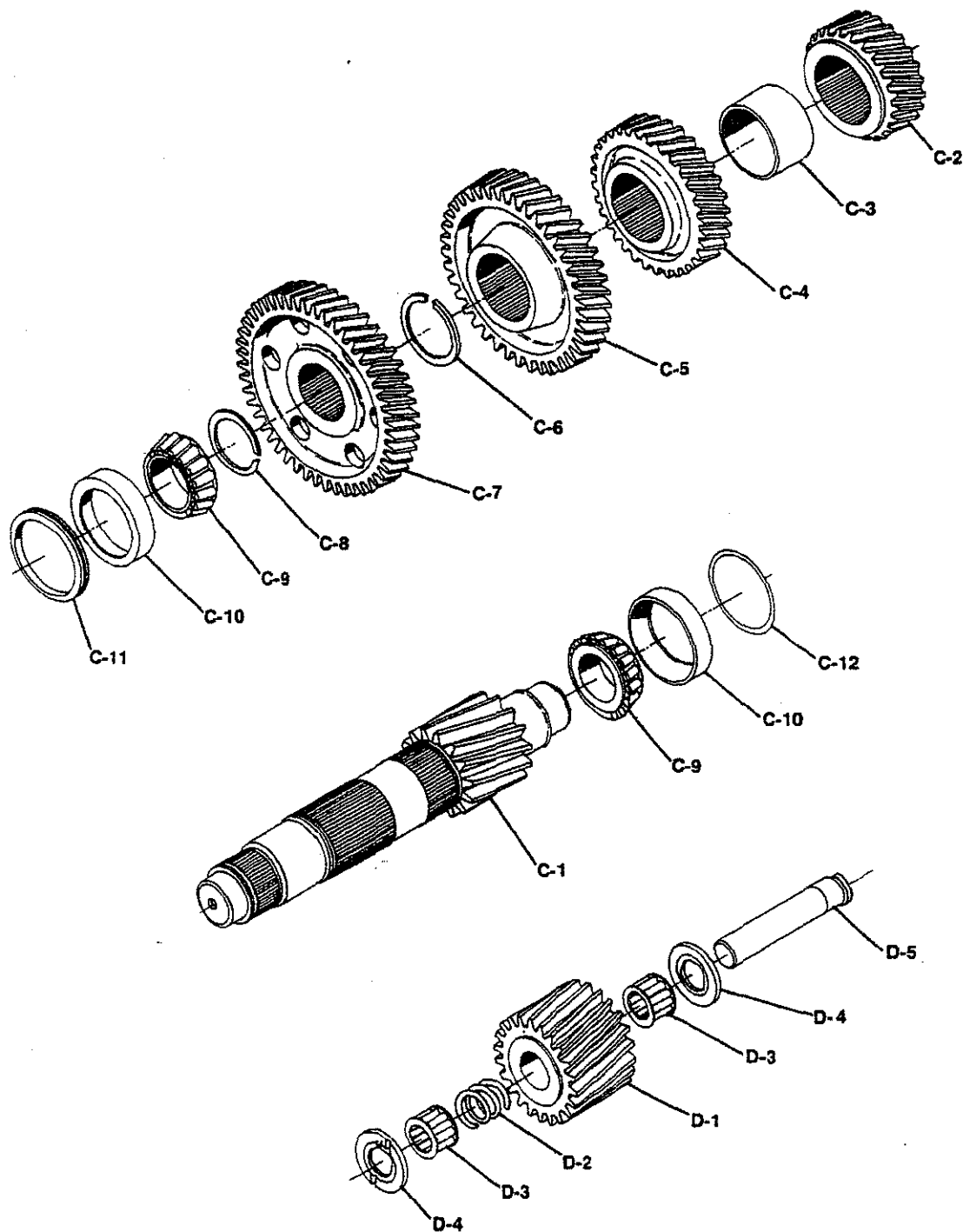
A.R. — As Required

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

T210-ES60-5

# MODEL ES60-5

## GEARS and RELATED PARTS



# MODEL ES60-5

## GEARS and RELATED PARTS

T210-ES60-5

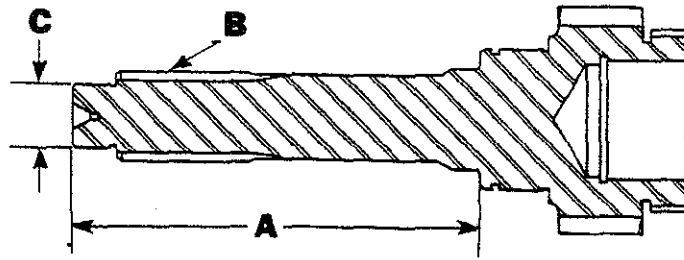
| Ref. No.                         | Part Number | Part Description                                                                         | Qty. |
|----------------------------------|-------------|------------------------------------------------------------------------------------------|------|
| <b>COUNTERSHAFT GROUP</b>        |             |                                                                                          |      |
| C-1                              | 59-30-3     | Countershaft .....                                                                       | 1    |
|                                  | 59-30-1     | Countershaft (for rear P.T.O. drive) .....                                               | 1    |
| C-2                              | 59-196-8    | Gear—2nd speed .....                                                                     | 1    |
|                                  | 59-196-9    | (19T) for ES60-5A, ES60-5D, ES60-5E, 5952-A, 5952-D, 5952-E<br>(18T) for ES60-5C, 5952-C |      |
| C-3                              | 59-37-1     | Spacer—2nd & 3rd speed gear .....                                                        | 1    |
| C-4                              | 59-196-4    | Gear—3rd speed .....                                                                     | 1    |
|                                  | 59-196-5    | (32T) for ES60-5D, ES60-5E, 5952-D, 5952-E                                               |      |
|                                  | 59-196-7    | (30T) for ES60-5A, 5952-A                                                                |      |
|                                  |             | (25T) for ES60-5C, 5952-C                                                                |      |
| C-5                              | 59-196-1    | Gear—4th speed .....                                                                     | 1    |
|                                  | 59-196-2    | (43T) for ES60-5D, ES60-5E, 5952-D, 5952-E<br>(41T) for ES60-5A, ES60-5C, 5952-A, 5952-C |      |
| C-6                              | 59-381-2    | Snap Ring .....                                                                          | 1    |
| C-7                              | 59-1-1      | Gear—drive .....                                                                         | 1    |
|                                  | 59-1-2      | (43T) for ES60-5E, 5952-E<br>(43T) for ES60-5A, ES60-5C, ES60-5D, 5952-A, 5952-C, 5952-D |      |
| C-8                              | 59-381-1    | Snap Ring .....                                                                          | 1    |
| C-9                              | 550927      | Cone—bearing .....                                                                       | 2    |
| C-10                             | 550375      | Cup—bearing .....                                                                        | 2    |
| C-11                             | 47-37-3     | Spacer—front bearing .....                                                               | 1    |
| C-12                             | 313438X     | Shim Kit to adjust Countershaft End Play .....                                           | 1    |
| <b>REVERSE IDLER SHAFT GROUP</b> |             |                                                                                          |      |
| D-1                              | 59-5-1      | Gear—reverse idler (17T) .....                                                           | 1    |
| D-2                              | 97-37-1     | Spacer (spring)—bearing (spring) .....                                                   | 1    |
| D-3                              | 550886      | Bearing .....                                                                            | 2    |
| D-4                              | 974-W       | Thrust Washer .....                                                                      | 2    |
| D-5                              | 63-60-1     | Shaft—gear .....                                                                         | 1    |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

T210-ES60-5

## DRIVE GEAR TABLE

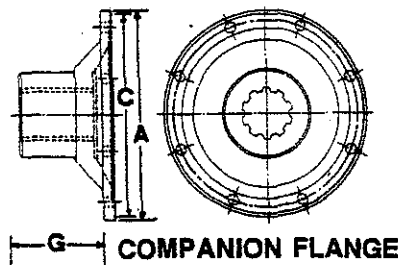


| Teeth | A Length | B Spline<br>Dia. Teeth | C- Pilot | Drive Gear<br>Part No. |
|-------|----------|------------------------|----------|------------------------|
|       |          |                        | Size     |                        |
| 21    | 8.844"   | 1½"-10                 | .9837"   | 59-35-3-1X             |
| 21    | 10.407"  | 1¾"-10                 | .9837"   | 59-35-9-1X             |
| 21    | 10.407"  | 1¾"-10                 | 1.1800"  | 59-35-2-1X             |
| 21    | 8.532"   | 1½"-10                 | .9837"   | 59-35-4-1X             |
| 21    | 9.345"   | —                      | .9837"   | 59-35-18-1X            |
| 21    | 9.782"   | 1¾"-10                 | 1.1800"  | 59-35-10-1X            |
| 21    | 9.814"   | 1½"-10                 | .9837"   | 59-35-6-1X             |
| 21    | 10.298"  | 1½"-10                 | .9837"   | 59-35-7-1X             |
| 21    | 10.564"  | 1½"-10                 | .9837"   | 59-35-5-1X             |
| 23    | 8.844"   | 1½"-10                 | .9837"   | 59-35-1-1X             |
| 23    | 10.125"  | 1½"-10                 | .9837"   | 59-35-11-1X            |
| 23    | 10.407"  | 1½"-10                 | .9837"   | 59-35-17-1X            |
| 23    | 10.407"  | 1¾"-10                 | .9837"   | 59-35-16-1X            |
| 23    | 10.407"  | 1¾"-10                 | 1.1800"  | 59-35-14-1X            |
| 23    | 9.564"   | 1½"-10                 | .9837"   | 59-35-12-1X            |
| 23    | 9.782"   | 1¾"-10                 | 1.1800"  | 59-35-15-1X            |
| 23    | 10.403"  | 1½"-10                 | .9837"   | 59-35-13-1X            |

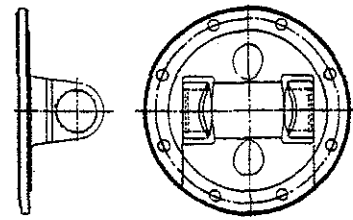
# MODEL ES60-5

## COMPANION FLANGES and END YOKES

T210-ES60-5



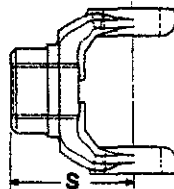
COMPANION FLANGE



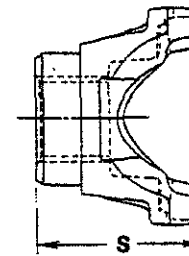
FLANGE YOE

### Companion Flanges

| Joint Series | A<br>Flange<br>Diameter | Part No.<br>Companion<br>Flange | Part No.<br>Companion<br>Flange<br>Assembly | G<br>End of Hub<br>to Flange<br>Face Length | C<br>Pilot Diameter<br>F-Female<br>M-Male | Brake<br>Size   |
|--------------|-------------------------|---------------------------------|---------------------------------------------|---------------------------------------------|-------------------------------------------|-----------------|
| 1480/1550    | 8"                      | 53-106-1                        | —                                           | 52 <sup>1</sup> / <sub>32</sub> "           | M-67 <sup>1</sup> / <sub>16</sub> "       | 9 x 3 or 12 x 4 |
| 1480/1550    | Rectangular             | 53-106-2                        | —                                           | 27 <sup>7</sup> / <sub>8</sub> "            | F-3 <sup>3</sup> / <sub>4</sub> "         | —               |
| 1480/1550    |                         | 4-1-6041                        | 4-1-6051X                                   |                                             |                                           | 9 x 3           |
| 1610         |                         | 5-1-6321                        | —                                           |                                             |                                           | —               |
| 1710         |                         | 6-1-5751                        | —                                           |                                             |                                           | —               |



FULL ROUND



U-BOLT—BRG. STRAP—HALF ROUND

| Series | Yoke Style   | End Yoke<br>Part Number | S<br>End of Hub To<br>Center Line Length | Momentary<br>Joint Angle         | Brake Size |
|--------|--------------|-------------------------|------------------------------------------|----------------------------------|------------|
| 1480   | U-Bolt       | 3-4-8781                | 4 <sup>11</sup> / <sub>64</sub> "        | 22 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1480   | Brg. Strap** | 3-4-8931-2              | 3 <sup>29</sup> / <sub>32</sub> "        | 23 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1550   | U-Bolt       | 4-4-4491                | 4 <sup>1</sup> / <sub>64</sub> "         | 21 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1550   | Brg. Strap*  | 4-4-4491-1              | 4 <sup>1</sup> / <sub>64</sub> "         | 21 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1550   | Brg. Strap** | 4-4-4491-2              | 4 <sup>1</sup> / <sub>64</sub> "         | 21 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1550   | Full Rnd.    | 4-4-4591                |                                          |                                  | 10 x 3     |
| 1550   | U-Bolt       | 4-4-4601†               | 6 <sup>27</sup> / <sub>64</sub> "        | 22°                              | 12 x 4     |
| 1550   | U-Bolt       | 4-4-4611                | 4 <sup>11</sup> / <sub>64</sub> "        | 22 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1550   | Brg. Strap*  | 4-4-4611-1              | 4 <sup>11</sup> / <sub>64</sub> "        | 22 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1550   | Brg. Strap** | 4-4-4611-2              | 4 <sup>11</sup> / <sub>64</sub> "        | 22 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1550   | Half Rnd.    | (A)4-4-6111-1X†         | 7 <sup>1</sup> / <sub>32</sub> "         | 22°                              | 12 x 4     |
| 1610   | Full Rnd.    | 5-4-6321                | 4"                                       | 19°                              | —          |
| 1610   | Half Rnd.    | 5-4-6321-1              | 4"                                       | 19°                              | —          |
| 1610   | Full Rnd.    | 5-4-6481                | 4 <sup>11</sup> / <sub>64</sub> "        | 22 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1610   | Half Rnd.    | 5-4-6481-1              | 4 <sup>11</sup> / <sub>64</sub> "        | 22 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1610   | Full Rnd.    | 5-4-6491†               | 6 <sup>21</sup> / <sub>32</sub> "        | 22°                              | 12 x 4     |
| 1610   | Half Rnd.    | (A)5-4-7611-1X†         | 7 <sup>9</sup> / <sub>16</sub> "         | 22°                              | 12 x 4     |
| 1710   | Full Rnd.    | 6-4-7301                | 5 <sup>1</sup> / <sub>4</sub> "          | 33 <sup>1</sup> / <sub>2</sub> ° | —          |
| 1710   | Half Rnd.    | 6-4-7301-1              | 5 <sup>1</sup> / <sub>4</sub> "          | 33 <sup>1</sup> / <sub>2</sub> ° | —          |

(A) Assembly Includes Brake Drum

† Flange Yokes

\* With Tapped Holes

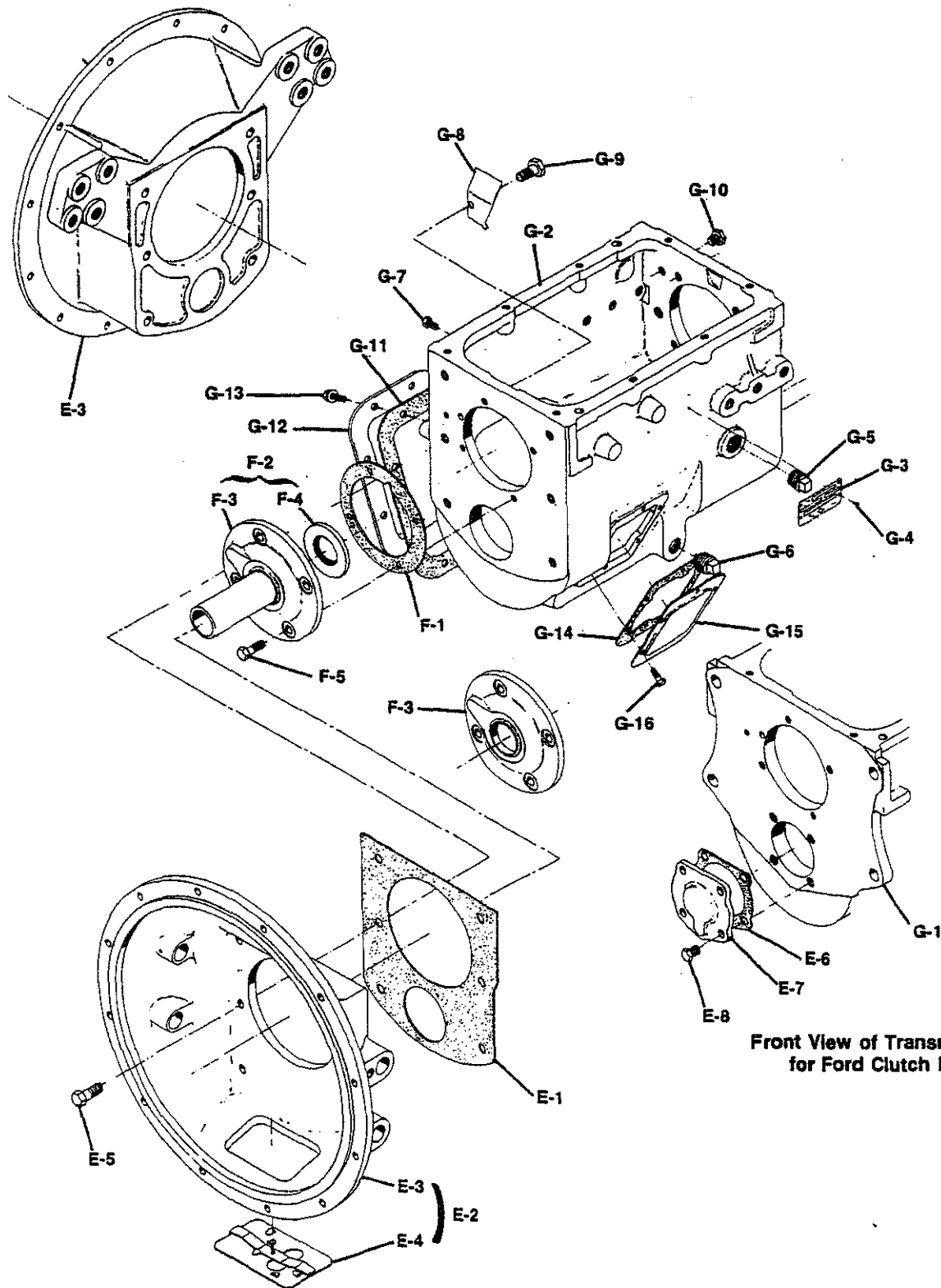
\*\* With Thru Holes

# MODEL ES60-5

T210-ES60-5

CASE GROUP and RELATED PARTS

Rear View of Clutch Housing  
with Nodal Mount



# MODEL ES60-5

## CASE GROUP and RELATED PARTS

T210-ES60-5

| Ref. No.                                                          | Part Number   | Part Description                                         | Qty. |
|-------------------------------------------------------------------|---------------|----------------------------------------------------------|------|
| <b>CLUTCH HOUSING GROUP</b>                                       |               |                                                          |      |
| E-1                                                               | 47-352-1      | Gasket .....                                             | 1    |
| E-2                                                               | See Tab Bills | Clutch Housing Assembly (See Table Page 13) .....        | 1    |
| E-3                                                               | See Page 13   | Clutch Housing .....                                     | 1    |
| N.S.                                                              | 128C-20       | Bushing—(312256X & 312830X) .....                        | 2    |
| E-4                                                               | 46-96-2-1X    | Hand Hole Cover Assembly .....                           | 1    |
| E-5                                                               | See Page 13   | Bolt—hex head self-locking .....                         | 6    |
|                                                                   | 545001        | —Size 1/2"-13 x 1 1/4" .....                             |      |
|                                                                   | 545001-1      | 1/2"-13 x 1 3/8" .....                                   |      |
|                                                                   | 545001-5      | 1/2"-13 x 1 1/8" .....                                   |      |
|                                                                   | 545001-6      | 1/2"-13 x 1 5/8" .....                                   |      |
| <b>COUNTERSHAFT FRONT BEARING CAP (used with 59-15-5-2X case)</b> |               |                                                          |      |
| E-6                                                               | 47-223-5      | Gasket—countershaft front bearing cap .....              | 1    |
| E-7                                                               | 60-22-28      | Cap—countershaft front bearing .....                     | 1    |
| E-8                                                               | 330801-1      | Bolt—7/16"-14 x 7/8" hex head self-locking .....         | 4    |
| <b>DRIVE GEAR BEARING CAP GROUP</b>                               |               |                                                          |      |
| F-1                                                               | 47-223-1      | Gasket .....                                             | 1    |
| F-2                                                               | See Tab Bills | Cap & Seal Assembly (See Table Page 12) .....            | 1    |
| F-3                                                               | N.S.S.        | Cap .....                                                | 1    |
| F-4                                                               | 60-463-10     | Oil Seal .....                                           | 1    |
| F-5                                                               | 545002-1      | Bolt—3/8"-16 x 7/8" hex head self-locking .....          | 4    |
| <b>CASE GROUP</b>                                                 |               |                                                          |      |
| G-1                                                               | See Tab Bills | Case Assembly (See Table Page 12) .....                  | 1    |
| G-2                                                               | N.S.S.        | Case .....                                               | 1    |
| G-3                                                               | NP-96         | Nameplate .....                                          | 1    |
| G-4                                                               | 252-SP        | Pin—nameplate .....                                      | 4    |
| G-5                                                               | 500100        | Filler Plug .....                                        | 1    |
| G-6                                                               | 62-39-3       | Drain Plug—magnetic square head .....                    | 1    |
| or                                                                | 62-39-4       | Drain Plug—magnetic (recessed head) .....                | 1    |
| G-7                                                               | 545002-10     | Bolt—3/8"-16 x 1/2" hex head .....                       | 2    |
| G-8                                                               | 330923        | Oil Trough .....                                         | 1    |
| G-9                                                               | 545009        | Bolt—5/16"-18 x 5/8" flanged head self-locking .....     | 1    |
| G-10                                                              | 307-D         | Plug—1/2"-13 x 1/2" hex head .....                       | 2    |
| or                                                                | 266-D         | Plug—5/8"-11 x 7/16" hex head .....                      | 2    |
| N.S.                                                              | 545089-1      | Plug—9/16"-12 x 3/4" hex head, brake anchor bar .....    | 6    |
| G-11                                                              | 97-324-2-1X   | Gasket Kit—8 bolt P.T.O. aperture cover .....            | 1    |
| G-12                                                              | 73-267-1      | Cover—8 bolt P.T.O. aperture .....                       | 1    |
| G-13                                                              | 545012        | Bolt—7/16"-14 x 3/4" flanged hex head self-locking ..... | 8    |
| G-14                                                              | 97-324-1-1X   | Gasket Kit—6 bolt P.T.O. aperture cover .....            | 1    |
| G-15                                                              | 50-267-2      | Cover—6 bolt P.T.O. aperture .....                       | 1    |
| G-16                                                              | 330800        | Bolt—3/8"-16 x 3/4" hex head self-locking .....          | 6    |

N.S.S. — Not Sold Separately

N.S. — Not Shown

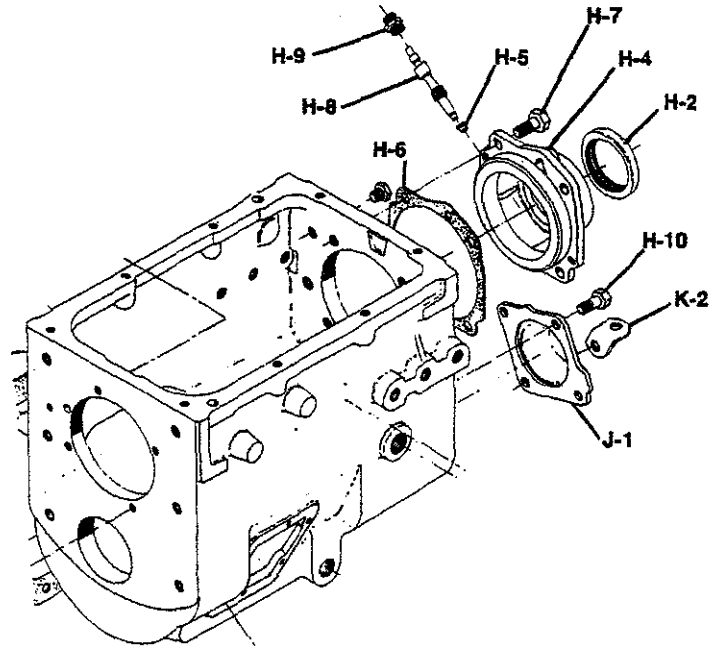
PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

T210-ES60-5

REAR, BEARING CAP GROUP and RELATED PARTS

H-1  
See Chart



## REAR BEARING CAP CHART

### BEARING CAP ASSEMBLY INCLUDES

| Part Number | Oil Seal | Casting Number | Speedometer Bushing | Gasket   | Brake         |
|-------------|----------|----------------|---------------------|----------|---------------|
| H-1         | H-2      | —              | H-5                 | H-6      |               |
| 53-19-12-4X | 60-463-8 | C53-19-6       | 60-475-1            | 47-223-3 | —             |
| 53-19-3-4X  | 60-463-8 | C53-19-4       | 30-475-1            | 53-223-1 | DCM           |
| 53-19-1-4X  | 60-463-8 | C53-19-2       | 30-475-1            | 47-223-3 | —             |
| 53-19-22-2X | 63-463-1 | C53-19-23      | —                   | 63-223-7 | —             |
| 53-19-7-4X  | 60-463-8 | C53-19-8       | 60-475-1            | 53-223-1 | 12" x 3"      |
| 53-19-17-2X | 63-463-1 | C53-19-18      | —                   | 63-223-7 | 12" x 4"      |
| 53-19-15-2X | 63-463-1 | C53-19-16      | —                   | 63-223-7 | 9" & 10" x 3" |
| 53-19-13-2X | 63-463-1 | C53-19-23      | —                   | 63-223-7 | —             |
| 53-19-24-3X | 60-463-8 | C53-19-24      | 30-475-1            | 47-223-3 | —             |
| 53-19-26-3X | 60-463-8 | C53-19-27      | —                   | 53-223-1 | 12" x 4"      |

# MODEL ES60-5

## REAR BEARING CAP GROUP and RELATED PARTS

T210-ES60-5

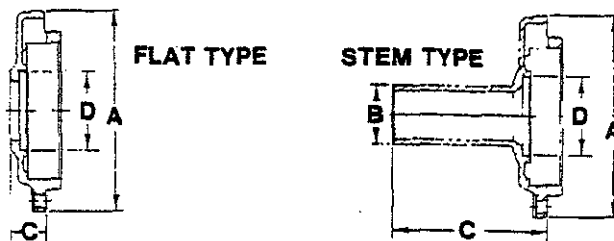
| Ref. No. | Part Number     | Part Description                                                                            | Qty. |
|----------|-----------------|---------------------------------------------------------------------------------------------|------|
|          |                 | <b>MAINSHAFT REAR BEARING CAP GROUP</b>                                                     |      |
| H-1      | See Tab Bills   | Cap Assembly—mainshaft rear bearing (See chart below) . . . . .                             | 1    |
| H-2      | 60-463-8        | Oil Seal—mainshaft rear bearing cap . . . . .                                               | 1    |
|          | 63-463-1        | Oil Seal (Ford only) . . . . .                                                              | 1    |
| H-4      | N.S.S.          | Cap—mainshaft rear bearing . . . . .                                                        | 1    |
| H-5      | See chart below | Bushing—speedometer . . . . .                                                               | 1    |
| H-6      | 47-223-3        | Gasket—mainshaft rear bearing cap . . . . .                                                 | 1    |
|          | 53-223-1        | Gasket—mainshaft rear bearing cap<br>(IHC Bendix brake mounting) . . . . .                  | 1    |
|          | 60-223-7        | Gasket—mainshaft rear bearing cap (Ford only) . . . . .                                     | 1    |
| H-7      | 545001          | Bolt— $\frac{1}{2}$ "-13 x $1\frac{1}{4}$ " hex head self locking . . . . .                 | 4    |
| and      | 545008          | Bolt— $\frac{5}{8}$ "-11 x $1\frac{1}{4}$ " hex head self locking (for brake cap) . . . . . | 2    |
| H-8      | See Tab Bills   | Gear—speedometer driven . . . . .                                                           | 1    |
| or       | 55-334-1        | Plug—speedometer hole (use w/o driven gear) . . . . .                                       | 1    |
| N.S.     | 545021          | Plug—speedometer outlet (electronic bearing caps) . . . . .                                 | 1    |
| H-9      | 55-454-1        | Sleeve—Length $1\frac{1}{4}$ " speedometer driven gear . . . . .                            | 1    |
|          | 44-473-1        | Sleeve—Length 5" speedometer driven gear . . . . .                                          | 1    |
|          | 97-454-2-1X     | Sleeve—Length $1\frac{1}{4}$ " speedometer driven gear (with seal) . . . . .                | 1    |
| H-10     | 545002-1        | Bolt—countershaft rear bearing cap . . . . .                                                | 4    |
|          |                 | <b>COUNTERSHAFT REAR BEARING CAP GROUP</b>                                                  |      |
| J-1      | 59-22-1         | Cap—countershaft rear bearing . . . . .                                                     | 1    |
| K-2      | 330564-3        | Lift Hook—countershaft rear bearing cap . . . . .                                           | 1    |

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# MODEL ES60-5

## CASE and FRONT BEARING CAP TABLE with Clutch Applications

T210-ES60-5



FRONT BEARING CAP CHART

| A<br><br>Outside<br>Diameter     | B<br><br>Stem<br>Diameter | C<br><br>Length                    | D<br><br>Oil Seal<br>Bore<br>Diameter | FRONT BEARING CAP |                                      |
|----------------------------------|---------------------------|------------------------------------|---------------------------------------|-------------------|--------------------------------------|
|                                  |                           |                                    |                                       | Casting<br>Number | Assembly<br>Includes<br>Oil Seal F-2 |
| FLAT TYPE .....                  |                           |                                    |                                       | PULL TYPE RELEASE |                                      |
| 6 <sup>3</sup> / <sub>8</sub> "  | —                         | 11 <sup>1</sup> / <sub>32</sub> "  | 2½"                                   | C47-19-2-1        | 53-19-11-1X                          |
| STEM TYPE— .....                 |                           |                                    |                                       | PUSH TYPE RELEASE |                                      |
| 6 <sup>3</sup> / <sub>8</sub> "  | 1.940"                    | 67 <sup>7</sup> / <sub>32</sub> "  | 2½"                                   | C47-19-83         | 47-19-74-1X                          |
| 6 <sup>3</sup> / <sub>8</sub> "  | 1.872"                    | 51 <sup>1</sup> / <sub>32</sub> "  | 2½"                                   | C47-19-70         | 47-19-78-1X                          |
| 6 <sup>3</sup> / <sub>8</sub> "  | 1.872"                    | 51 <sup>9</sup> / <sub>32</sub> "  | 2½"                                   | C47-19-70         | 47-19-82-1X                          |
| 7 <sup>7</sup> / <sub>32</sub> " | 1.940"                    | 67 <sup>7</sup> / <sub>32</sub> "  | 2½"                                   | C47-19-76         | 47-19-73-1X                          |
| 6 <sup>3</sup> / <sub>8</sub> "  | 1.872"                    | 52 <sup>25</sup> / <sub>32</sub> " | 2½"                                   | C47-19-70         | 47-19-77-1X                          |
| 7 <sup>1</sup> / <sub>8</sub> "  | 1.808"                    | 55 <sup>5</sup> / <sub>32</sub> "  | 2½"                                   | C47-19-81         | 47-19-79-1X                          |
| 6 <sup>3</sup> / <sub>8</sub> "  | 2.246"                    | 51 <sup>13</sup> / <sub>16</sub> " | 2½"                                   | C47-19-71         | 47-19-80-1X                          |

CASE TABLE

| Case<br>Assembly<br>G-1 | Case<br>(N.S.S.)<br>Casting<br>No. | Bolt<br>■G-9<br>Oil<br>Trough<br>G-8 | (4 Pins)<br>G-4<br>Name<br>Plate<br>G-3 | OIL PLUG      |              | CASE PLUG   |              |              | Brake<br>Anchor<br>Bar<br>Bolt or Plug<br>N.S. |
|-------------------------|------------------------------------|--------------------------------------|-----------------------------------------|---------------|--------------|-------------|--------------|--------------|------------------------------------------------|
|                         |                                    |                                      |                                         | Filler<br>G-5 | Drain<br>G-6 | Side<br>G-7 | Rear<br>G-10 | Rear<br>G-10 |                                                |
| 59-15-1-2X              | C59-15-2                           | 330923                               | NP-96                                   | 500100        | 62-39-4      | —           | —            | —            | 545089-1                                       |
| 59-15-5-2X              | C59-15-2                           | 330923                               | NP-96                                   | 500100        | 62-39-4      | —           | —            | —            | 545089-1                                       |
| 59-15-7-2X              | C59-15-4-1                         | 330923                               | NP-96                                   | 500100        | 62-39-3      | 545002-7    | 307D         | 266D         | —                                              |
| 59-15-9-2X              | C59-15-4                           | 330923                               | NP-96                                   | 500100        | 62-39-3      | —           | 307D         | 266D         | 545089-1                                       |
| 59-15-3-2X              | C59-15-4                           | 330923                               | NP-96                                   | 500100        | 62-39-3      | —           | 307D         | 266D         | 545089-1                                       |
| * 59-15-10-2X           | C59-15-4                           | 330923                               | NP-96                                   | 500100        | 62-39-3      | 545002-10   | 307D         | —            | 545089-1                                       |

\*This case assembly uses (3) 307D rear plug.

N.S. — Not Shown

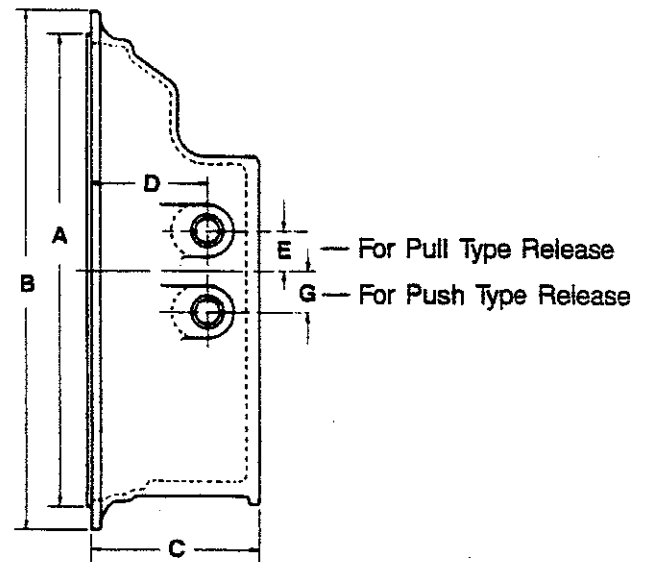
■ Bolt G-9 part number is 545009

# MODEL ES60-5

## CLUTCH HOUSING DIMENSIONS

T210-ES60-5

| SAE      |                    |                    |
|----------|--------------------|--------------------|
| Size No. | A Pilot Dia.       | B O.D.             |
| 1        | 20 $\frac{1}{8}$ " | 21 $\frac{3}{4}$ " |
| 2        | 17 $\frac{5}{8}$ " | 19 $\frac{1}{4}$ " |
| 3        | 16 $\frac{1}{8}$ " | 17 $\frac{3}{4}$ " |



| CLUTCH HOUSING           |                |                     |       | C Length           | RELEASE SHAFT HOLE |                                        |                        |                        | Use With Bolt E-5 |
|--------------------------|----------------|---------------------|-------|--------------------|--------------------|----------------------------------------|------------------------|------------------------|-------------------|
| Service Assembly No. E-2 | Bushing Number | Casting Part Number | S A E |                    | Dia.               | C/L Front Face                         | D E Above C/L          | G Below C/L            |                   |
| 46-518-13-1X*            | —              | C46-518-14          | 2     | 4 $\frac{3}{4}$ "  | —                  | —                                      | —                      | —                      | 545001-5          |
| 46-518-21-1X             | —              | C102C-477           | 3     | 5 $\frac{1}{16}$ " | 1"                 | 3"<br>2 $\frac{17}{32}$ "              | 1 $\frac{1}{2}$ "<br>— | —<br>2 $\frac{5}{8}$ " | 545001-5          |
| 46-518-22-1X             | —              | C102C-530-1         | 2     | 5 $\frac{1}{16}$ " | 1"                 | 3"<br>2 $\frac{17}{32}$ "              | 1 $\frac{1}{2}$ "<br>— | —<br>2 $\frac{5}{8}$ " | 545001-5          |
| 46-518-23                | —              | C46-518-18-1        | 2     | 5 $\frac{5}{8}$ "  | 1"                 | 2 $\frac{3}{4}$ "<br>2 $\frac{3}{4}$ " | 3"<br>—                | —<br>3"                | 545001            |
| 47-518-4-1X              | —              | Special             | 2     | 6 $\frac{5}{8}$ "  | 1"                 | 3 $\frac{3}{4}$ "                      | 1 $\frac{1}{2}$ "      | —                      | 545001-1          |
| 47-518-5                 | —              | C47-518-6           | 2     | 6 $\frac{1}{2}$ "  | 1 $\frac{1}{8}$ "  | 2 $\frac{19}{32}$ "                    | —                      | 2 $\frac{1}{2}$ "      | 545001-6          |
| 47-518-10-1X             | —              | C47-518-11          | 2     | 4 $\frac{3}{4}$ "  | —                  | —                                      | —                      | —                      | 545001-5          |
| 312256X*                 | 128C-20        | C46-518-16          | 2     | 6"                 | 1"                 | 3 $\frac{5}{8}$ "                      | —                      | 2 $\frac{1}{2}$ "      | 545001-5          |
| 312830X                  | 128C-20        | C102C-530-1         | 2     | 5 $\frac{1}{16}$ " | 1"                 | 2 $\frac{17}{32}$ "                    | —                      | 2 $\frac{5}{8}$ "      | 545001-5          |

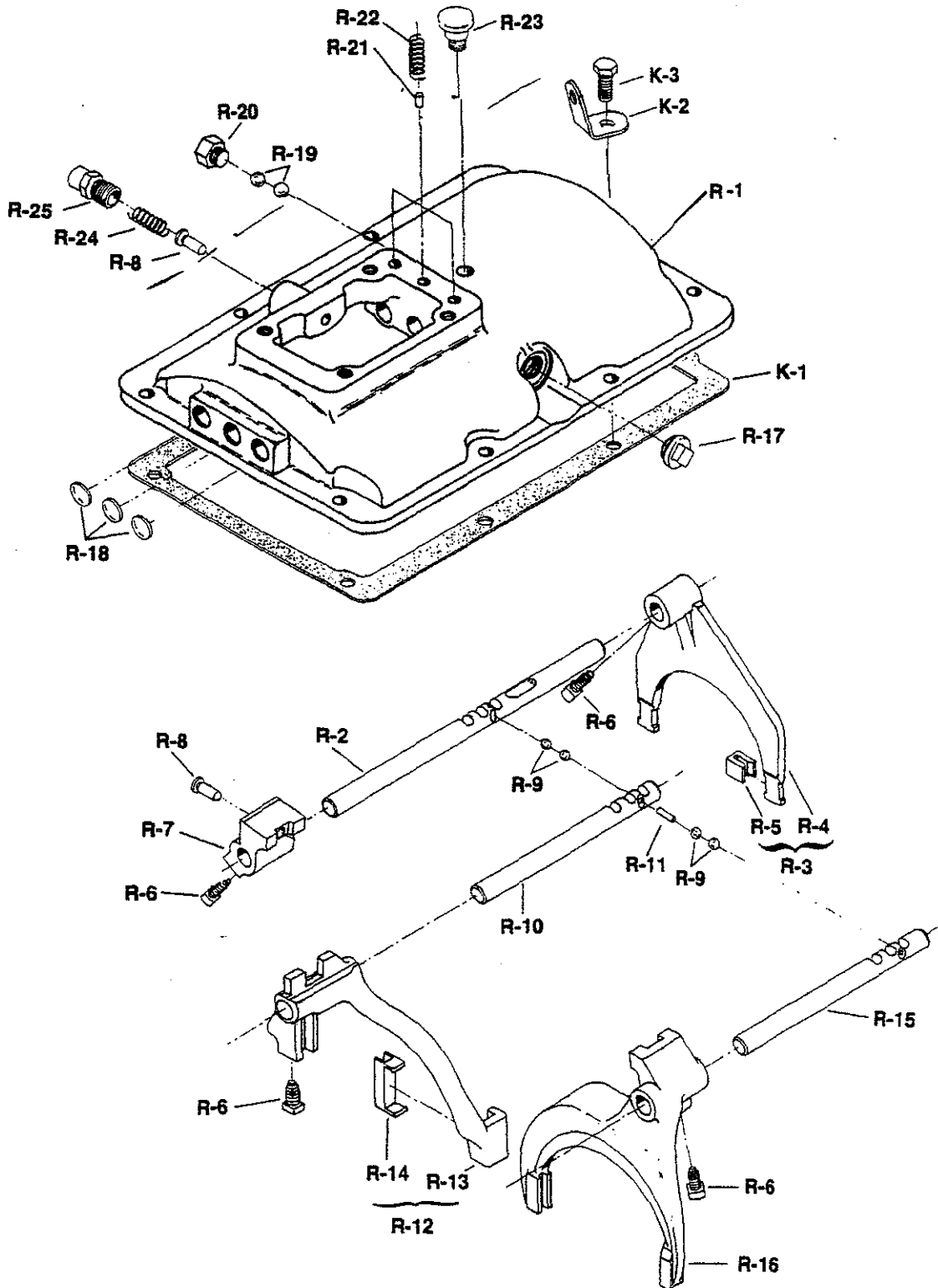
\*Nodal Mount

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# MODEL ES60-5

T210-ES60-5

## SHIFTER HOUSING ASSEMBLY



# MODEL ES60-5

## SHIFTER HOUSING ASSEMBLY

T210-ES60-5

| Ref. No. | Part Number          | Part Description                                                          | Qty. |
|----------|----------------------|---------------------------------------------------------------------------|------|
|          | <b>See Tab Bills</b> | <b>SHIFTER HOUSING ASSEMBLY</b>                                           |      |
| R-1      | 47-16-1-1            | Shifter Housing .....                                                     | 1    |
| R-2      | 47-67-1              | Rod—reverse & 1st shift .....                                             | 1    |
| R-3      | 59-66-1-1X           | Fork & Clip Assembly—reverse & 1st shift .....                            | 1    |
| R-4      | N.S.S.               | Fork—reverse & 1st shift .....                                            | 1    |
| R-5      | 46-486-2             | Clip—shift fork .....                                                     | 2    |
| R-6      | 330639               | Bolt— $\frac{3}{8}$ "-24 x $\frac{3}{4}$ " square head self-locking ..... | 4    |
| R-7      | 53-354-1             | Bracket—reverse & 1st shift rod .....                                     | 1    |
| R-8      | 62-438-2             | Pin—1st & reverse shift finger plunger .....                              | 2    |
| R-9      | 50-80-1              | Ball—poppett and interlock .....                                          | 4    |
| R-10     | 46-67-5              | Rod—2nd & 3rd shift .....                                                 | 1    |
| R-11     | 277SP                | Pin—interlock .....                                                       | 2    |
| R-12     | 53-66-3-1X           | Fork—2nd & 3rd shift .....                                                | 1    |
| R-13     | N.S.S.               | Shift Fork .....                                                          | 1    |
| R-14     | 53-486-1             | Clip—shift fork .....                                                     | 2    |
| R-15     | 47-67-2              | Rod—4th & 5th shift .....                                                 | 1    |
| R-16     | 53-66-1              | Fork—4th & 5th shift .....                                                | 1    |
| R-17     | 545021               | Plug—interlock .....                                                      | 1    |
| R-18     | 330894               | Expansion Plug— $\frac{3}{4}$ " (aluminum) .....                          | 3    |
| R-19     | 50-80-4              | Ball—backup switch .....                                                  | 2    |
| R-20     | 330366               | Plug—backup switch hole .....                                             | 1    |
| R-21     | 50-80-1              | Ball—shift rod poppet .....                                               | 3    |
| R-22     | 47-72-1              | Spring—shift rod poppet ball .....                                        | 3    |
| R-23     | 312268               | Breather Assembly .....                                                   | 1    |
| R-24     | See Chart            | Spring—shift finger plunger 1st & reverse .....                           | 1    |
| R-25     | 38P-1                | Retainer—shift finger plunger 1st & reverse .....                         | 1    |
|          |                      | <b>PARTS LISTED BELOW ARE NOT INCLUDED IN ASSEMBLY</b>                    |      |
| K-1      | 47-155-1             | Gasket—shifter housing .....                                              | 1    |
| K-2      | 330564-1             | Lift Hook—shifter housing .....                                           | 2    |
| K-3      | 545002               | Bolt— $\frac{3}{8}$ "-16 x 1" hex head self-locking .....                 | 6    |
| K-3      | 545002-4             | Bolt— $\frac{3}{8}$ "-16 x $1\frac{1}{8}$ " hex head self-locking .....   | 2    |
| N.S.     | 313262X              | Neutral Safety Switch Actuator Kit (see tab bills)                        |      |

**1st and Reverse Spring Chart (Ref. No. R-24)**

| Shifter Housing Assembly | Shifter Finger Plunger Spring | Spring Load | Free Length       |
|--------------------------|-------------------------------|-------------|-------------------|
| 47-16-1-8X               | 62-72-8                       | 60#         | $2\frac{1}{64}$ " |
| 47-16-1-11X              | 30-72-6                       | 28#         | $2\frac{1}{8}$ "  |
| 47-16-1-13X              | 30-72-6                       | 28#         | $2\frac{1}{8}$ "  |
| 47-16-1-12X              | 82-72-3                       | 15#         | $2\frac{3}{8}$ "  |
| 47-16-1-16X              | 62-72-8                       | 60#         | $2\frac{1}{64}$ " |
| 47-16-1-17X              | 62-72-8                       | 60#         | $2\frac{1}{64}$ " |
| 47-16-1-18X              | 62-72-8                       | 60#         | $2\frac{1}{64}$ " |

N.S.S. — Not Sold Separately

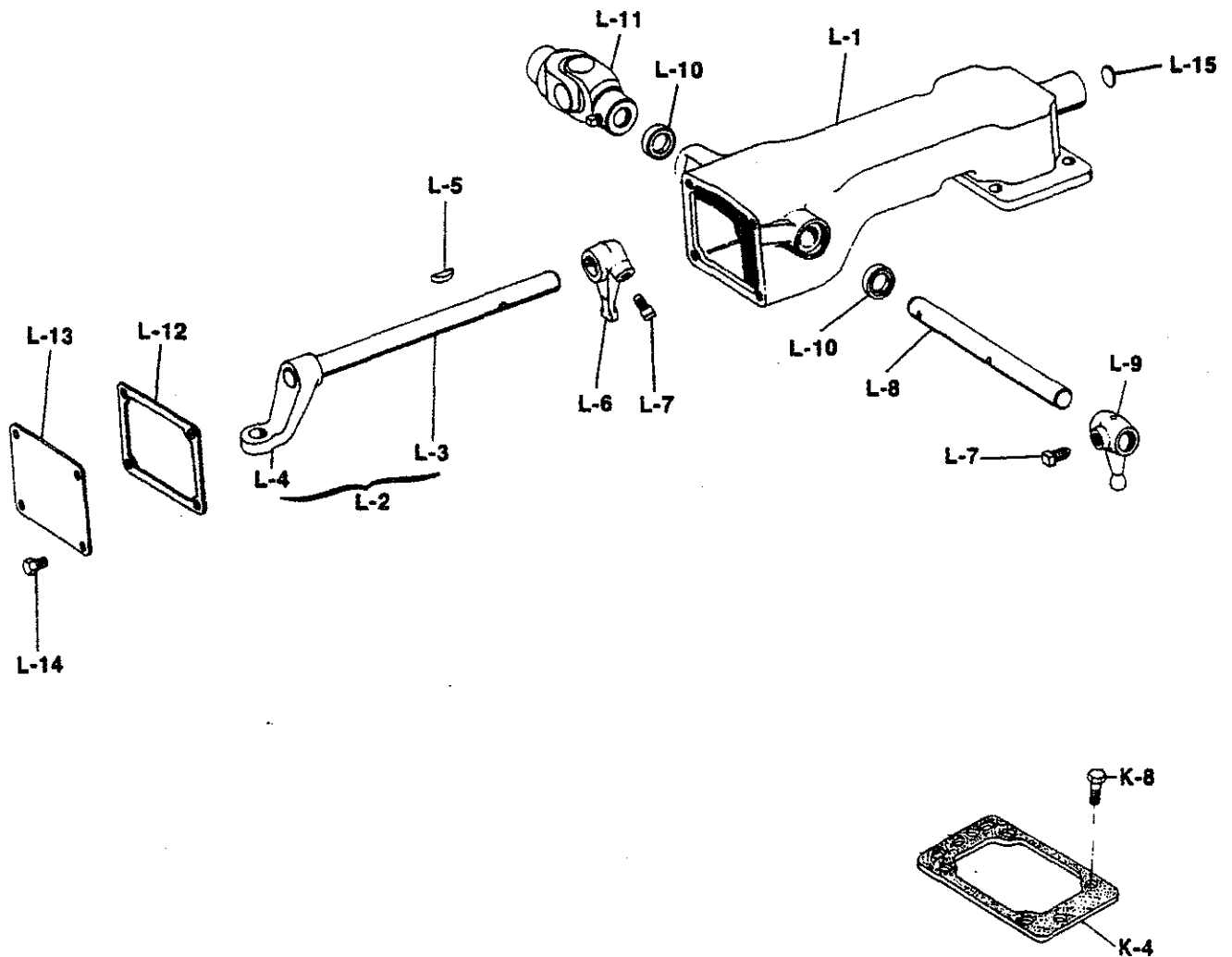
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# MODEL ES60-5

## REMOTE CONTROL ASSEMBLY

### High Rod Type

T210-ES60-5



# MODEL ES60-5

## REMOTE CONTROL ASSEMBLY High Rod Type

T210-ES60-5

| Ref. No. | Part Number          | Part Name                                                          | Remote Control Assembly | 47-16-8-2X | 47-16-8-3X | 47-16-9-2X | 47-16-12-2X |
|----------|----------------------|--------------------------------------------------------------------|-------------------------|------------|------------|------------|-------------|
|          | <b>See Tab Bills</b> | <b>COVER &amp; JOINT ASSEMBLY—REMOTE CONTROL</b>                   |                         |            |            |            |             |
|          | 47-16-8-1X           | Cover Assembly (Casting No. 62-16-78)                              |                         | 1          | 1          | 1          | 1           |
|          | 47-16-9-1X           | Cover Assembly (Casting No. 62-16-78-1)                            |                         | 1          | 1          |            |             |
|          | 47-16-12-1X          | Cover Assembly (Casting No. 62-16-128)                             |                         |            |            | 1          |             |
| L-1      | N.S.S.               | Remote Control Cover                                               |                         | 1          | 1          | 1          | 1           |
| N.S.     | 82-24-3              | Bushing—remote control cover                                       |                         | 4          | 4          | 4          | 4           |
| L-2      | 310647X              | Shift Finger Rod & Bracket Assembly                                |                         | 1          | 1          |            |             |
|          | 310879X              | Shift Finger Rod & Bracket Assembly                                |                         |            |            | 1          |             |
|          | 312003X              | Shift Finger Rod & Bracket Assembly                                |                         |            |            |            | 1           |
| L-3      | N.S.S.               | Rod—shift finger                                                   |                         | 1          | 1          | 1          | 1           |
| L-4      | N.S.S.               | Bracket—shift finger rod                                           |                         | 1          | 1          | 1          | 1           |
| L-5      | 500007-19            | Woodruff Key—No. 11 (part of assembly)                             |                         | 1          | 1          | 1          | 1           |
| L-6      | 62-6-24              | Finger—inner shift                                                 |                         | 1          | 1          | 1          | 1           |
| L-7      | 545011               | Bolt— $\frac{7}{16}$ "-20 x $\frac{7}{8}$ " hex head self-locking  |                         | 2          | 2          | 2          | 2           |
| L-8      | 82-65-5              | Rod—remote control shift                                           |                         | 1          | 1          | 1          | 1           |
| L-9      | 82-6-7               | Finger—outer shift                                                 |                         | 1          | 1          | 1          | 1           |
| L-10     | 28P-19               | Seal—remote control shift rod                                      |                         | 2          | 2          | 2          | 2           |
| L-11     | 10380-SF             | U-Joint Assembly—control                                           |                         | 1          | 1          | 1          | 1           |
| L-12     | 82-118-1             | Gasket—aperture cover                                              |                         | 1          | 1          | 1          | 1           |
| L-13     | 82-96-1              | Aperture Cover                                                     |                         | 1          | 1          | 1          | 1           |
| L-14     | 545005-1             | Bolt— $\frac{5}{16}$ "-18 x $\frac{5}{8}$ " hex head self-locking  |                         | 4          | 4          | 4          | 4           |
| L-15     | 500166-16            | Expansion Plug— $1\frac{1}{16}$ "                                  |                         | 1          | 1          | 1          | 1           |
| N.S.     | 311903X              | Boot Kit—remote control                                            |                         |            | 1          |            |             |
| N.S.     | 82-483-1             | Boot                                                               |                         |            | 1          |            |             |
| N.S.     | 82-483-2             | Boot—cup type                                                      |                         |            | 1          |            |             |
| N.S.     | LW-3-9               | Lockwire                                                           |                         |            | 3          |            |             |
|          |                      | <b>PARTS LISTED BELOW ARE NOT INCLUDED IN ASSEMBLY</b>             |                         |            |            |            |             |
| K-4      | 62-155-7             | Gasket—shifter housing to control cover                            |                         | 1          | 1          | 1          | 1           |
| K-8      | 545028-4             | Bolt— $\frac{7}{16}$ "-14 x $1\frac{1}{4}$ " hex head self-locking |                         | 4          | 4          | 4          | 4           |

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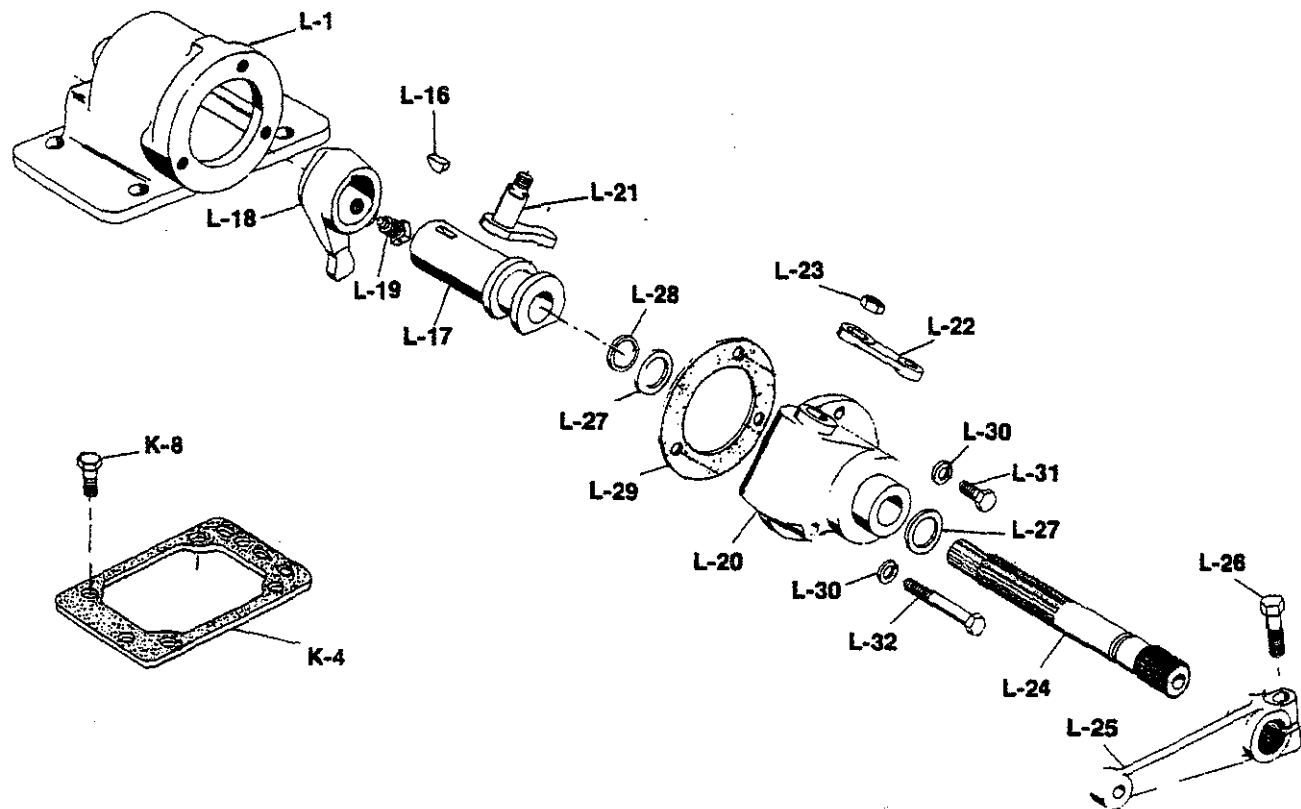
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# MODEL ES60-5

## REMOTE CONTROL ASSEMBLY Two Lever Type—Cable or Rod Control

T210-ES60-5



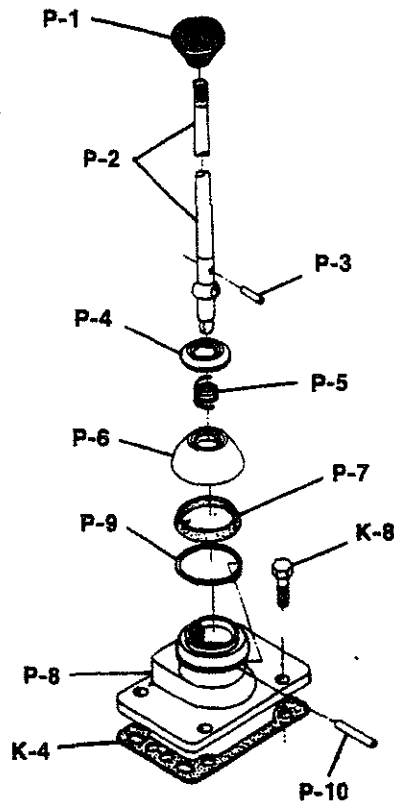
| Ref. No. | Part Number      | Part Description                                                    | Qty.     |
|----------|------------------|---------------------------------------------------------------------|----------|
|          | <b>311528-7X</b> | <b>REMOTE CONTROL COVER ASSEMBLY (See Tab Bills)</b>                | <b>1</b> |
| L-1      | <b>47-16-13</b>  | Remote Control Cover                                                | 1        |
| L-16     | <b>500007-17</b> | Woodruff Key #91                                                    | 1        |
| L-17     | <b>62-65-26</b>  | Shaft—inner shift finger                                            | 1        |
| L-18     | <b>62-6-30</b>   | Shift Finger—inner                                                  | 1        |
| L-19     | <b>545063</b>    | Bolt— $\frac{7}{16}$ "-20 x $\frac{13}{16}$ " hex head self-locking | 1        |
| L-20     | <b>62-16-92</b>  | End Cover—remote control                                            | 1        |
| L-21     | <b>310926X</b>   | Cam and Stud Assembly—selection lever                               | 1        |
| L-22     | <b>62-6-59</b>   | Lever—upper selection                                               | 1        |
| L-23     | <b>500381-4</b>  | Nut— $\frac{7}{16}$ "-20                                            | 1        |
| L-24     | <b>62-65-27</b>  | Rod—outer shift lever                                               | 1        |
| L-25     | <b>47-6-1</b>    | Lever—outer shift                                                   | 1        |
| L-26     | <b>545002-7</b>  | Bolt— $\frac{3}{8}$ "-16 x $1\frac{1}{2}$ "                         | 1        |
| L-27     | <b>258-W</b>     | Washer—shift lever rod                                              | 2        |
| L-28     | <b>62-381-13</b> | Snap Ring                                                           | 1        |
| L-29     | <b>62-155-11</b> | Gasket—end cover                                                    | 1        |
| L-30     | <b>500357-10</b> | Lock Washer $\frac{5}{16}$ "                                        | 1        |
| L-31     | <b>545005-2</b>  | Bolt— $\frac{5}{16}$ "-18 x $\frac{7}{8}$ "                         | 2        |
| L-32     | <b>500397-22</b> | Bolt— $\frac{5}{16}$ "-18 x $2\frac{1}{2}$ "                        | 1        |
|          |                  | <b>PARTS LISTED BELOW ARE NOT INCLUDED IN ASSEMBLY</b>              |          |
| K-4      | <b>62-155-7</b>  | Gasket—shifter housing to control cover                             | 1        |
| K-8      | <b>545028-4</b>  | Bolt— $\frac{7}{16}$ "-14 x $1\frac{1}{4}$ " hex head self-locking  | 4        |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

## SHIFT LEVER and DOME ASSEMBLY

T210-ES60-5



| Ref. No.                                               | Part Number          | Part Description                              | 47-16-5-38X | 47-16-5-22X | 47-16-5-43X | 47-16-3-1X | 47-16-3-25X | 47-16-5-21X |
|--------------------------------------------------------|----------------------|-----------------------------------------------|-------------|-------------|-------------|------------|-------------|-------------|
|                                                        | <b>See Tab Bills</b> | <b>Lever and Dome Assembly—shift</b>          | 1           | 1           | 1           | 1          | 1           | 1           |
| P-1                                                    | 39Q-27               | Handle—shift lever                            | 1           |             |             | 1          | 1           |             |
| P-2                                                    | 25Q-1121             | Shift Lever 26 1/4" Straight                  |             |             | 1           |            |             |             |
|                                                        | 25Q-1122             | Shift Lever 29 1/4" Straight                  |             |             |             | 1          |             |             |
|                                                        | 25Q-1621             | Shift Lever 30" Straight                      | 1           |             |             |            | 1           |             |
|                                                        | 25Q-1537             | Shift Lever                                   |             | 1           |             |            |             |             |
|                                                        | 25Q-2464             | Shift Lever—lower end (3.5")                  |             |             | 1           |            |             |             |
| N.S.                                                   | 55Q-5                | Grommet—shift lever (boot)                    | 1           | 1           |             |            |             | 1           |
|                                                        | 47-16-3X             | Dome Assembly—2 5/8" overall height           |             |             |             | 1          | 1           |             |
|                                                        | 47-16-5X             | Dome Assembly—3 5/8" overall height           | 1           | 1           | 1           |            |             | 1           |
| P-3                                                    | 286-SP               | Pin—shift lever collar                        | 1           | 1           | 1           | 1          | 1           | 1           |
| P-4                                                    | 55Q-7                | Collar—compression                            | 1           | 1           | 1           | 1          | 1           | 1           |
| P-5                                                    | 56Q-25               | Spring—compression                            | 1           | 1           | 1           | 1          | 1           | 1           |
| P-6                                                    | 54Q-13               | Cup—compression                               | 1           | 1           | 1           | 1          | 1           | 1           |
| P-7                                                    | 69Q-6                | Washer—friction                               | 1           | 1           | 1           | 1          | 1           | 1           |
| P-8                                                    | 47-16-3              | Dome—shift lever                              |             |             |             | 1          | 1           |             |
|                                                        | 47-16-5              | Dome—shift lever                              | 1           | 1           | 1           |            |             | 1           |
| P-9                                                    | 62-381-7             | Snap Ring—rock shaft                          | 1           | 1           | 1           | 1          | 1           | 1           |
| P-10                                                   | 53Q-15               | Shaft—shift lever rock                        | 1           | 1           | 1           | 1          | 1           | 1           |
| <b>PARTS LISTED BELOW ARE NOT INCLUDED IN ASSEMBLY</b> |                      |                                               |             |             |             |            |             |             |
| K-4                                                    | 62-155-7             | Gasket—dome to shifter housing                | 1           | 1           | 1           | 1          | 1           | 1           |
| K-8                                                    | 545002               | Screw—7/16"-14 x 1 1/8" hex head self-locking | 4           | 4           | 4           | 4          | 4           | 4           |
| N.S. — Not Shown                                       |                      |                                               |             |             |             |            |             |             |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

T210-ES60-5

## CLUTCH RELEASE CODE TABLE

| Ref.Code<br>See Tab Bill | CR-7<br>Yoke * | Shaft      |           | CR-6 Pedal<br>Adjusting Arm | Ref.Code<br>See Tab Bill | CR-7<br>Yoke * | Shaft      |           | CR-6 Pedal<br>Adjusting |
|--------------------------|----------------|------------|-----------|-----------------------------|--------------------------|----------------|------------|-----------|-------------------------|
|                          |                | CR-1 Short | CR-2 Long |                             |                          |                | CR-1 Short | CR-2 Long |                         |
| 1                        | 105C-64        | 106C-1142  | 106C-1047 | 310233X                     | 58                       | 105C-137       | 106C-1141  | 106C-1169 | 31023                   |
| 2                        | 105C-64        | 106C-1185  | 106C-438  | —                           | 59                       | 105C-137       | 106C-1185  | 106C-438  | —                       |
| 3                        | 105C-64        | 106C-1185  | 106C-939  | 310233X                     | 60                       | 105C-137       | 106C-1185  | 106C-617  | 310233X                 |
| 4                        | 105C-64        | 106C-1185  | 106C-1046 | 310233X                     | 61                       | 105C-137       | 106C-1185  | 106C-839  | 310233X                 |
| 5                        | 105C-64        | 106C-1185  | 106C-1047 | 310233X                     | 62                       | 105C-137       | 106C-1185  | 106C-939  | 310233X                 |
| 6                        | 105C-64        | 106C-1185  | 106C-1047 | 47-526-1-1X                 | 63                       | 105C-137       | 106C-1185  | 106C-939  | 310473X                 |
| 7                        | 105C-64        | 106C-1544  | 106C-839  | 310233X                     | 64                       | 105C-137       | 106C-1185  | 106C-953  | 310473X                 |
|                          |                |            |           |                             | 65                       | 105C-137       | 106C-1185  | 106C-1046 | 310233X                 |
| 8                        | 105C-68        | 106C-1142  | 106C-438  | —                           | 66                       | 105C-137       | 106C-1185  | 106C-1046 | 310473X                 |
| 9                        | 105C-68        | 106C-1142  | 106C-617  | —                           | 67                       | 105C-137       | 106C-1185  | 106C-1047 | 310233X                 |
| 10                       | 105C-68        | 106C-1142  | 106C-617  | 310233X                     | 68                       | 105C-137       | 106C-1185  | 106C-1083 | 310233X                 |
| 11                       | 105C-68        | 106C-1142  | 106C-839  | 310233X                     | 69                       | 105C-137       | 106C-1185  | 106C-1094 | —                       |
| 12                       | 105C-68        | 106C-1142  | 106C-939  | 310233X                     | 70                       | 105C-137       | 106C-1185  | 106C-1094 | 310233X                 |
| 13                       | 105C-68        | 106C-1142  | 106C-1046 | 310233X                     | 71                       | 105C-137       | 106C-1185  | 106C-1123 | —                       |
| 14                       | 105C-68        | 106C-1142  | 106C-1047 | 310233X                     | 72                       | 105C-137       | 106C-1185  | 106C-1123 | 310233X                 |
| 15                       | 105C-68        | 106C-1278  | 106C-438  | —                           | 73                       | 105C-137       | 106C-1185  | 106C-1367 | —                       |
|                          |                |            |           |                             | 74                       | 105C-137       | 106C-1185  | 106C-1367 | 310233X                 |
| 16                       | 105C-117       | 106C-1071  | 106C-939  | 310233X                     | 75                       | 105C-137       | 106C-1185  | 106C-1375 | 310873X                 |
| 17                       | 105C-117       | 106C-1071  | 106C-1094 | 310233X                     | 76                       | 105C-137       | 106C-1185  | 106C-1515 | —                       |
| 18                       | 105C-117       | 106C-1142  | 106C-939  | 310233X                     | 77                       | 105C-137       | 106C-1185  | 106C-1529 | —                       |
| 19                       | 105C-117       | 106C-1185  | 106C-438  | —                           | 78                       | 105C-137       | 106C-1185  | 330610-5  | —                       |
| 20                       | 105C-117       | 106C-1185  | 106C-617  | 310233X                     | 79                       | 105C-137       | 106C-1216  | 106C-617  | 310233X                 |
| 21                       | 105C-117       | 106C-1185  | 106C-839  | 47-526-1-1X                 | 80                       | 105C-137       | 106C-1278  | 106C-438  | —                       |
| 22                       | 105C-117       | 106C-1185  | 106C-939  | 310233X                     | 81                       | 105C-137       | 106C-1278  | 106C-588  | —                       |
| 23                       | 105C-117       | 106C-1185  | 106C-953  | 310873X                     | 82                       | 105C-137       | 106C-1278  | 106C-588  | 310233X                 |
| 24                       | 105C-117       | 106C-1185  | 106C-960  | 310233X                     | 83                       | 105C-137       | 106C-1278  | 106C-617  | 310233X                 |
| 25                       | 105C-117       | 106C-1185  | 106C-1046 | 310233X                     | 84                       | 105C-137       | 106C-1278  | 106C-939  | 310233X                 |
| 26                       | 105C-117       | 106C-1185  | 106C-1047 | 310233X                     | 85                       | 105C-137       | 106C-1278  | 106C-939  | 310873X                 |
| 27                       | 105C-117       | 106C-1185  | 106C-1083 | —                           | 86                       | 105C-137       | 106C-1278  | 106C-960  | 310233X                 |
| 28                       | 105C-117       | 106C-1185  | 106C-1083 | 310233X                     | 87                       | 105C-137       | 106C-1278  | 106C-1046 | —                       |
| 29                       | 105C-117       | 106C-1185  | 106C-1083 | 310473X                     | 88                       | 105C-137       | 106C-1278  | 106C-1046 | 310233X                 |
| 30                       | 105C-117       | 106C-1185  | 106C-1094 | 310233X                     | 89                       | 105C-137       | 106C-1278  | 106C-1047 | —                       |
| 31                       | 105C-117       | 106C-1185  | 106C-1094 | 310873X                     | 90                       | 105C-137       | 106C-1278  | 106C-1047 | 310233X                 |
| 32                       | 105C-117       | 106C-1185  | 106C-1169 | 310233X                     | 91                       | 105C-137       | 106C-1278  | 106C-1083 | 310233X                 |
| 33                       | 105C-117       | 106C-1185  | 106C-1315 | —                           | 92                       | 105C-137       | 106C-1278  | 106C-1094 | 310233X                 |
| 34                       | 105C-117       | 106C-1185  | 106C-1315 | 310233X                     | 93                       | 105C-137       | 106C-1278  | 106C-1375 | 310233X                 |
| 35                       | 105C-117       | 106C-1185  | 106C-1315 | 47-526-1-1X                 | 94                       | 105C-137       | 106C-1278  | 106C-1422 | 310233X                 |
| 36                       | 105C-117       | 106C-1185  | 106C-1417 | 310233X                     | 95                       | 105C-137       | 106C-1278  | 106C-1529 | —                       |
| 37                       | 105C-117       | 106C-1185  | 106C-1417 | 310873X                     | 96                       | 105C-137       | 106C-1360  | 106C-1083 | —                       |
| 38                       | 105C-117       | 106C-1185  | 106C-1490 | 310233X                     | 97                       | 105C-137       | 106C-1360  | 106C-1422 | 310233X                 |
| 39                       | 105C-117       | 106C-1278  | 106C-939  | 310233X                     | 98                       | 105C-137       | 106C-1375  | 106C-438  | 310233X                 |
| 40                       | 105C-117       | 106C-1278  | 106C-960  | 310873X                     | 99                       | 105C-137       | 106C-1498  | 106C-438  | —                       |
| 41                       | 105C-117       | 106C-1278  | 106C-1047 | 310233X                     | 100                      | 105C-137       | 106C-1498  | 106C-617  | 310233X                 |
| 42                       | 105C-117       | 106C-1278  | 106C-1094 | 310233X                     | 101                      | 105C-137       | 106C-1498  | 106C-617  | 310473X                 |
| 43                       | 105C-117       | 106C-1278  | 106C-1315 | 310233X                     | 102                      | 105C-137       | 106C-1498  | 106C-939  | 310233X                 |
| 44                       | 105C-117       | 106C-1278  | 106C-1367 | 310233X                     | 103                      | 105C-137       | 106C-1498  | 106C-939  | 310473X                 |
| 45                       | 105C-117       | 106C-1360  | 106C-1083 | 310233X                     | 104                      | 105C-137       | 106C-1498  | 106C-953  | 310233X                 |
| 46                       | 105C-117       | 106C-1360  | 106C-1315 | 310233X                     | 105                      | 105C-137       | 106C-1498  | 106C-959  | 310233X                 |
| 47                       | 105C-117       | Thru Shaft | 106C-1550 | —                           | 106                      | 105C-137       | 106C-1498  | 106C-1046 | 310233X                 |
| 48                       | 105C-117       | Thru Shaft | 106C-1558 | —                           | 107                      | 105C-137       | 106C-1498  | 106C-1047 | —                       |
|                          |                |            |           |                             | 108                      | 105C-137       | 106C-1498  | 106C-1047 | 310233X                 |
| 49                       | 105C-124       | 106C-1185  | 106C-438  | —                           | 109                      | 105C-137       | 106C-1498  | 106C-1083 | 310233X                 |
| 50                       | 105C-124       | Thru Shaft | 106C-1566 | 310233X                     | 110                      | 105C-137       | 106C-1498  | 106C-1094 | —                       |
| 51                       | 105C-124       | Thru Shaft | 106C-1566 | 310473X                     | 111                      | 105C-137       | 106C-1498  | 330610-11 | 310233X                 |
| 52                       | 105C-124       | Thru Shaft | 106C-1566 | 310873X                     | 112                      | 105C-137       | 330601-1   | 106C-939  | 310233X                 |
| 52A                      | 105C-124       | Thru Shaft | 49-510-1  | 310233X                     |                          |                |            |           |                         |
| 53                       | 105C-132       | 106C-1185  | 106C-1047 | 310233X                     | 113                      | 85-509-3       | 106C-1360  | 106C-1417 | 310233X                 |
| 54                       | 105C-132       | 106C-1185  | 106C-1083 | 310233X                     | 114                      | 85-509-3       | Thru Shaft | 106C-1578 | 310233X                 |
| 55                       | 105C-132       | 106C-1185  | 106C-1417 | 310873X                     | 115                      | 85-509-3       | Thru Shaft | 106C-1578 | 310873X                 |
| 56                       | 105C-132       | 106C-1185  | 46-510-9  | —                           |                          |                |            |           |                         |
| 57                       | 105C-132       | 106C-1278  | 46-510-9  | —                           | 116                      | 312916         | Thru Shaft | 97-510-2  | —                       |

■ Use Clutch Release Bearing 7743X

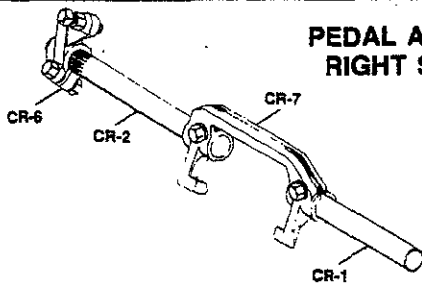
★ CLUTCH RELEASE YOKE ATTACHING PARTS—Use one KEY 10-30, two SCREWS 330231 and two LOCK WASHERS 500356-12

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

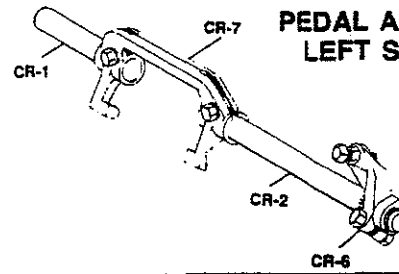
# MODEL ES60-5

## CLUTCH RELEASE CODE TABLE

T210-ES60-5



**PEDAL ADJUSTING ARM  
RIGHT SIDE—310473X**



**PEDAL ADJUSTING ARM  
LEFT SIDE—310233X**

### CR-1 SHORT SHAFT

| Part No.  | Length |
|-----------|--------|
| 106C-1071 | 4.062" |
| 106C-1141 | 5.125" |
| 106C-1142 | 6.125" |
| 106C-1185 | 5.750" |
| 106C-1216 | 4.750" |
| 106C-1278 | 4.812" |
| 106C-1360 | 5.312" |
| 106C-1375 | 6.781" |
| 106C-1498 | 6.500" |
| 106C-1544 | 7.000" |
| 330601-1  | 6.250" |

### CR-2 LONG SHAFT (Cont'd)

| Part No.  | Type | Length  |
|-----------|------|---------|
| 106C-1083 | RS-8 | 7.969"  |
| 106C-1084 | RS-8 | 8.469"  |
| 106C-1123 | RS-8 | 12.968" |
| 106C-1169 | RS-8 | 9.125"  |
| 106C-1315 | RS-8 | 7.625"  |
| 106C-1367 | RS-8 | 10.312" |
| 106C-1375 | RS-8 | 6.781"  |
| 106C-1417 | RS-8 | 7.250"  |
| 106C-1422 | RS-8 | 7.500"  |
| 106C-1490 | RS-8 | 16.000" |
| 106C-1515 | RS-5 | 11.375" |
| 106C-1529 | RS-5 | 8.312"  |
| 330610-5  | RS-8 | 9.469"  |
| 330610-11 | RS-8 | 10.750" |
| 46-510-9  | RS-5 | 7.125"  |



### CR-2 LONG SHAFT

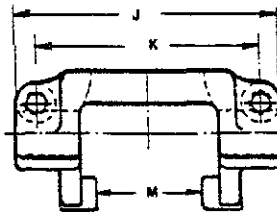
| Part No.  | Type | Length  |
|-----------|------|---------|
| 106C-438  | RS-5 | 14.000" |
| 106C-588  | RS-5 | 7.000"  |
| 106C-617  | RS-8 | 10.469" |
| 106C-839  | RS-8 | 11.469" |
| 106C-939  | RS-8 | 10.000" |
| 106C-953  | RS-8 | 9.750"  |
| 106C-959  | RS-8 | 11.968" |
| 106C-960  | RS-8 | 8.719"  |
| 106C-1046 | RS-8 | 8.968"  |
| 106C-1047 | RS-8 | 9.469"  |

### CR-6 PEDAL ADJ. ARM

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| 310233X                                               | For Left Side Mtg.  |
| 310473X                                               | For Right Side Mtg. |
| 47-526-1-1X■                                          | Lever Type 7 1/4"   |
| 310873X■                                              | Lever Type 7 1/4"   |
| ■Lever type can be used on either right or left side. |                     |

### THRU SHAFT (used with Push Type Clutch)

| Part No.  | Type    | Length  |
|-----------|---------|---------|
| 106C-1566 | Splined | 19.125" |
| 106C-1550 | Keyed   | 16.375" |
| 106C-1558 | Keyed   | 19.000" |
| 106C-1578 | Splined | 19.500" |
| 49-510-1  | Keyed   | 19.120" |
| 97-510-2  | Splined | 19.313" |



### CLUTCH RELEASE YOKES

| CR-7                  | Forging No. | Used With         | Type | J      | K      | M      |
|-----------------------|-------------|-------------------|------|--------|--------|--------|
| 105C-64               | F105C64     | Spicer 15 1/2" SP | Pull | 8.000" | 6.500" | 4.895" |
| 105C-68               | F105C99     | Spicer 14" SP     | Pull | 7.125" | 5.750" | 4.132" |
| 105C-117 <sup>1</sup> | F105C118    | Spicer & Others   | Push | 8.375" | 7.000" | 4.885" |
| 105C-124■             | F105C125    | Spicer AL & AR    | Push | 3.750" | 2.125" | 2.885" |
| 105C-132 <sup>2</sup> | F105C118    | Spicer & Others   | Push | 8.375" | 7.000" | 4.885" |
| 105C-137              | F105C138    | Spicer 13" and    | Pull | 8.000" | 6.500" | 4.895" |
|                       | C105C138    | 14" 2P            |      |        |        |        |
| 85-509-3 <sup>3</sup> | F105C118    | Spicer & Others   | Push | 8.375" | 7.000" | 4.885" |

- <sup>1</sup>Machined washer surface on yoke front  
<sup>2</sup>Machined washer surface on yoke rear (for clearance)  
<sup>3</sup>Same as <sup>1</sup> above except contains spring holes in lugs  
■ Use 7743X Clutch Release Bearing

★ CLUTCH RELEASE YOKE ATTACHING PARTS—  
Use one KEY 10-30, two SCREWS 330231 and two LOCK  
WASHERS 500356-12  
NOTE: When changing from a two plate to single plate clutch or  
vice versa, a different bearing cap will be required.

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

T210-ES60-5

## BASIC OVERHAUL KITS

| Part Number                      | Part Description                                    | Qty. |
|----------------------------------|-----------------------------------------------------|------|
| <b>MAJOR OVERHAUL KIT</b>        |                                                     |      |
| 313400-68X                       | MAJOR OVERHAUL KIT .....                            | 1    |
| 500008-37                        | Woodruff Key—#F .....                               | 4    |
| 53-205-1                         | Washer—mainshaft .....                              | 1    |
| 501200                           | Nut—mainshaft output .....                          | 1    |
| 313401-13X                       | Thrust Washer Kit .....                             | 1    |
| 313429-6X                        | Shifter Housing Small Parts Kit .....               | 1    |
| 313432-31X                       | Minor Overhaul Kit .....                            | 1    |
| <b>MINOR OVERHAUL KIT</b>        |                                                     |      |
| (Included in Major Overhaul Kit) |                                                     |      |
| 313432-31X                       | MINOR OVERHAUL KIT .....                            | 1    |
| <b>BEARINGS</b>                  |                                                     |      |
| 550375                           | Countershaft—cup .....                              | 2    |
| 550927                           | Countershaft—cone .....                             | 2    |
| 550886                           | Reverse Idler Shaft .....                           | 2    |
| 550929                           | Drive Gear & Mainshaft Rear—cup .....               | 2    |
| 550930                           | Drive Gear & Mainshaft Rear—cone .....              | 2    |
| 550931                           | Drive Gear—pocket .....                             | 1    |
| 550932                           | 1st & Reverse Mainshaft Needle Bearing .....        | 2    |
| 59-482-1-1X                      | Needle Roller Bearing & Spacer Kit .....            | 1    |
| 60-463-10-1X                     | Oil Seal Kit—drive gear bearing cap .....           | 1    |
| 60-463-8                         | Oil Seal Kit—mainshaft rear bearing cap .....       | 1    |
| 63-463-1                         | Oil Seal Kit—mainshaft rear—Ford only .....         | 1    |
| 545077                           | Bearing Lubricant .....                             | 1    |
| 545080                           | Locite .....                                        | 1    |
| 2770                             | Bearing Lube Instruction .....                      | 1    |
| 2783                             | Locite Application for Mainshaft Nut .....          | 1    |
| 312475-28X                       | Gasket Kit .....                                    | 1    |
| 313024-18X                       | Snap Ring Kit .....                                 | 1    |
| 313240-3X                        | Baffle & Shim Kit—drive gear .....                  | 1    |
| 313438X                          | Shim Kit—countershaft rear .....                    | 1    |
| 59-482-1-1X                      | Bearing Kit—mainshaft 2nd speed needle roller ..... | 1    |
| 2360                             | Service Manual .....                                | 1    |
| No. 2                            | Spicer Service Topics .....                         | 1    |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

T210-ES60-5

| Part Number                                 | Part Description                                    | Qty. |
|---------------------------------------------|-----------------------------------------------------|------|
| (Included in MAJOR OVERHAUL KIT)            |                                                     |      |
| 313401-13X                                  | Thrust Washer Kit .....                             | 1    |
| 974-W                                       | Countershaft—reverse idler .....                    | 2    |
| 1016-W                                      | Mainshaft—4th speed .....                           | 1    |
| 330818                                      | Mainshaft—3rd & 4th speed .....                     | 1    |
| 330866                                      | Mainshaft—1st speed .....                           | 1    |
| 330867                                      | Mainshaft—reverse .....                             | 1    |
| 313429-6X                                   | Shifter Housing Small Parts Kit .....               | 1    |
| 277-SP                                      | Interlock Pin .....                                 | 1    |
| 50-80-1                                     | Shift Rod Poppet & Interlock Ball .....             | 7    |
| 50-80-4                                     | Backup Switch Ball .....                            | 2    |
| 62-438-2                                    | Plunger—1st & reverse .....                         | 2    |
| 47-72-1                                     | Spring—shift rod poppet .....                       | 3    |
| 62-72-8                                     | Spring—shift finger plunger 1st & reverse .....     | 1    |
| (Included in MAJOR and MINOR OVERHAUL KITS) |                                                     |      |
| 312475-28X                                  | GASKET KIT .....                                    | 1    |
| 82-118-1                                    | Remote Control—aperture cover .....                 | 1    |
| 47-155-1                                    | Shifter Housing .....                               | 1    |
| 62-155-7                                    | Control cover .....                                 | 1    |
| 47-223-1                                    | Drive Gear Bearing Cap .....                        | 1    |
| 47-223-2                                    | Countershaft Rear Bearing Cap .....                 | 1    |
| 47-223-3                                    | Mainshaft Rear Bearing Cap .....                    | 1    |
| 47-223-4                                    | Mainshaft Rear Bearing Cap—for brake mounting ..... | 1    |
| 47-223-5                                    | Countershaft Front Bearing Cap .....                | 1    |
| 53-223-1                                    | Mainshaft Rear Bearing Cap—for brake mounting ..... | 1    |
| 63-223-7                                    | Mainshaft Bearing Cap—for Ford only .....           | 1    |
| 47-352-1                                    | Clutch Housing .....                                | 1    |
| 97-324-1-1X                                 | P.T.O. (6 Holes) Kit .....                          | 1    |
| 97-324-2-1X                                 | P.T.O. (8 Holes) Kit .....                          | 1    |
| 313024-18X                                  | SNAP RING KIT .....                                 | 1    |
| 27-381-5                                    | Mainshaft .....                                     | 1    |
| 46-381-1                                    | Countershaft & Mainshaft .....                      | 2    |
| 53-381-2                                    | Mainshaft .....                                     | 2    |
| 59-381-1                                    | Countershaft .....                                  | 1    |
| 313240-3X                                   | BAFFLE & SHIM KIT—mainshaft .....                   | 1    |
| 47-228-1-1                                  | Adjusting Shim—mainshaft rear .....                 | 9    |
| 47-228-2-2                                  | Shim—mainshaft front .....                          | 1    |
| 47-228-2-10                                 | Spacer—mainshaft rear .....                         | 1    |
| 47-468-1                                    | Baffle—bearing cap front .....                      | 1    |
| 47-468-2                                    | Baffle—oil ring drive gear .....                    | 1    |
| 2789                                        | Bulletin—baffle & shim kit .....                    | 1    |
| 2759                                        | Bulletin—drive gear replacement .....               | 1    |
| 313438X                                     | SHIM KIT—countershaft rear .....                    | 1    |
| 47-228-3-1                                  | Shim—rear bearing .....                             | 4    |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.       | Used By            | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|---------------|--------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|               |                    |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model ES60-5A |                    |                                              |                |                  |                       |                     |                            |                        |
| 301460        |                    |                                              |                |                  |                       |                     |                            |                        |
| -1            | Navistar           | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-7-2X             |
| -2            | Service            | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -3            | Navistar           | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-5             | 47-19-77-1X                | 59-15-7-2X             |
| -4            | Navistar           | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-5             | 47-19-77-1X                | 59-15-7-2X             |
| -5            | Volvo-GM           | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -6            | Vermeer Mfg.       | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -7            | Service            | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-78-1X                | 59-15-3-2X             |
| -8            | FWD Corp.          | Push Type                                    | 2              | 46-518-22-1X     | 28                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -9            | Hendrickson        | Push Type                                    | 2              | 46-518-22-1X     | 28                    | 59-35-3             | 47-19-82-1X                | 59-15-10-2X            |
| -10           | Volvo-GM           | Push Type                                    | —              | —                | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -11           | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -12           | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -13           | Hendrickson        | Pull Type                                    | 2              | 47-518-4-1X      | 68                    | 59-35-2             | 53-19-11-1X                | 59-15-10-2X            |
| -14           | General use        | Push Type                                    | 3              | 46-518-21-1X     | 36                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -15           | Wilson Mfg.        | Pull Type                                    | 3              | 46-518-21-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -16           | Blue Bird Body     | Push Type                                    | 2              | 312830X          | 56                    | 59-35-3             | 47-19-78-1X                | 59-15-9-2X             |
| -17           | General use        | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -18           | Navistar           | Pull Type                                    | 2              | 46-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -19           | Cooper Mfg.        | Push Type                                    | 3              | 46-518-21-1X     | 49                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -20           | Oshkosh Corp.      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -21           | FWD Corp.          | Push Type                                    | —              | —                | —                     | 59-35-5             | 47-19-77-1X                | 59-15-3-2X             |
| -22           | Drivetrain         | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -23           | FWD Corp.          | Push Type                                    | 2              | 46-518-22-1X     | 54                    | 59-35-3             | 47-19-78-1X                | 59-15-3-2X             |
| -24           | Canadian Foremost  | Push Type                                    | 3              | 46-518-21-1X     | 57                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -25           | Volvo-GM           | Push Type                                    | —              | —                | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -26           | Cooper Mfg.        | Pull Type                                    | 2              | 46-518-22-1X     | 3                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -27           | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -28           | Drivetrain         | Pull Type                                    | 2              | 47-518-4-1X      | 62                    | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -29           | Wich-Tex           | Pull Type                                    | 2              | 46-518-22-1X     | 12                    | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -30           | Canadian Foremost  | Push Type                                    | 3              | 46-518-21-1X     | 57                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -31           | Gradall            | Pull Type                                    | 2              | 47-518-4-1X      | 67                    | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -32           | Wich-Tex           | Pull Type                                    | 3              | 46-518-21-1X     | 12                    | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -33*          | Thomas Built Buses | Push Type                                    | 2              | 46-518-22-1X     | 55                    | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -34           | Spicer France      | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -35           | Volvo-GM           | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -36           | Badger Equipment   | Push Type                                    | 2              | 46-518-22-1X     | 53                    | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -37           | Badger Equipment   | Push Type                                    | 2              | 46-518-22-1X     | 50                    | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -38           | Azcon Inc.         | Pull Type                                    | 2              | 47-518-4-1X      | 62                    | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -39           | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -40           | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 49-19-73-1X                | 59-15-5-2X             |
| -41           | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -42           | Ford               | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -43           | Ford               | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -44           | Ford               | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -45           | Ardco Inc.         | Push Type                                    | 3              | 46-518-21-1X     | 19                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -46           | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -47           | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -48           | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -49           | D.W.T.             | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -50           | Volvo-GM           | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -51           | D.W.T.             | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-3-2X             |
| -52           | Vermeer Mfg.       | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -53           | Davey-Kent         | Pull Type                                    | —              | —                | —                     | 59-35-18            | 53-19-11-1X                | 59-15-3-2X             |
| -54           | D.W.T.             | Push Type                                    | 3              | 46-518-21-1X     | 22                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |

\* Includes Neutral Safety Switch Kit 313262X - Shipped loose

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# MODEL ES60-5

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab<br>No.    | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|---------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|               |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model ES60-5A |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301460        |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -1            | 53-19-1-4X                                                | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -2            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -3            | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -4            | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -5            | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -6            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -7            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -8            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -9            | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -10           | 53-19-12-4X                                               | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -11           | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -12           | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -13           | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -14           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -15           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -16           | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -17           | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -18           | 53-19-1-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -19           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-16X                        | —                                   | —                                   |
| -20           | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-8X                         | 47-16-3-25X                         | —                                   |
| -21           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -22           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -23           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -24           | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -25           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -26           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -27           | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -28           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -29           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -30           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -31           | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -32           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -33           | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-9-2X                          |
| -34           | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-11X                        | —                                   | —                                   |
| -35           | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -36           | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -37           | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -38           | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -39           | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -40           | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -41           | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -42           | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -43           | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -44           | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -45           | 53-19-12-4X                                               | —                     | —                     | 53-106-1                                   | 47-16-1-8X                         | 47-16-5-38X                         | —                                   |
| -46           | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -47           | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -48           | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -49           | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -50           | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -51           | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -52           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-16X                        | —                                   | —                                   |
| -53           | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-16X                        | —                                   | —                                   |
| -54           | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-25X                         | —                                   |

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# MODEL ES60-5

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.         | Used By             | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|-----------------|---------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|                 |                     |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model ES60-5A   |                     |                                              |                |                  |                       |                     |                            |                        |
| 301460 (Cont'd) |                     |                                              |                |                  |                       |                     |                            |                        |
| -55             | Wilson Mfg.         | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -56             | Australia           | Push Type                                    | 2              | 46-518-22-1X     | 51                    | 59-35-3             | 49-19-82-1X                | 59-15-3-2X             |
| -57             | Volvo-GM            | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -58             | Davey-Kent          | Pull Type                                    | —              | —                | —                     | 59-35-18            | 53-19-11-1X                | 59-15-3-2X             |
| -59             | Capitol Trencher    | Pull Type                                    | —              | —                | —                     | 59-35-2             | 53-19-11-1X                | 59-15-5-2X             |
| -60             | Spicer France       | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -61             | Stockdale Mine      | Pull Type                                    | 2              | 313216           | —                     | 59-35-18            | 53-19-11-1X                | 59-15-3-2X             |
| -62             | Salem Tool          | Pull Type                                    | 2              | 47-518-4-1X      | 63                    | 59-35-9             | 53-19-11-1X                | 53-15-3-2X             |
| -63             | Volvo-GM            | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -64             | Volvo-GM            | Pull Type                                    | 2              | 47-518-4-1X      | 2                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -65             | Ford                | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -66             | Ford                | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -67             | Ford                | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -68             | Ford                | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -69             | Ford                | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-1X             |
| -70             | Vermeer Mfg.        | Push Type                                    | 2              | 47-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -71             | Walker Neer Machine | Pull Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -72             | Spicer France       | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -73             | Spicer France       | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -74*            | Thomas Built Buses  | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -75             | Gradall Co.         | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-7-2X             |
| -76             | Volvo-GM            | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| Model ES60-5C   |                     |                                              |                |                  |                       |                     |                            |                        |
| 301461          |                     |                                              |                |                  |                       |                     |                            |                        |
| -1              | Navistar            | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-7-2X             |
| -2              | Volvo-GM            | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -3              | Blue Bird           | Push Type                                    | 2              | 312830X          | 56                    | 59-35-3             | 47-19-78-1X                | 59-15-9-2X             |
| -4              | Gradall Co.         | Push Type                                    | 2              | 46-518-22-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-7-2X             |
| -5              | Volvo-GM            | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -6              | Gradall Co.         | Push Type                                    | 3              | 46-518-21-1X     | 24                    | 59-35-3             | 47-19-82-1X                | 59-15-7-2X             |
| -7              | Volvo-GM            | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -8              | Volvo-GM            | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -9              | Navistar            | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-3             | 47-19-77-1X                | 59-15-7-2X             |
| -10             | Volvo-GM            | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -11             | Navistar            | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -12             | Drivetrain          | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -13             | Western Star Truck  | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -14             | Volvo-GM            | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -15             | Navistar            | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -16             | Universal Go-Tract  | Push Type                                    | 2              | 46-518-22-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -17             | Drivetrain          | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -18             | Volvo-GM            | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -19             | Volvo-GM            | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -20             | Volvo-GM            | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -21             | Service             | Push Type                                    | 2              | 46-518-22-1X     | 34                    | 59-35-4             | 47-19-82-1X                | 59-15-7-2X             |
| -22             | Volvo-GM            | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -23             | Navistar            | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -24             | Gradall Co.         | Push Type                                    | 2              | 46-518-22-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-7-2X             |
| -25             | Shear Truck         | Push Type                                    | 2              | 46-518-22-1X     | 33                    | 59-35-3             | 47-19-82-1X                | 59-15-9-2X             |
| -26             | FMC Corp.           | Push Type                                    | 2              | 46-518-22-1X     | 20                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -27             | Volvo-GM            | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -28             | Volvo-GM            | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -29             | Volvo-GM            | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -30             | Volvo-GM            | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -31             | Navistar            | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -32             | Ford                | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |

\* Includes Neutral Safety Switch Kit 313262X - Shipped loose

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab No.         | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|-----------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|                 |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model ES60-5A   |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301460 (Cont'd) |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -55             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -56             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -57             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -58             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-16X                        | 47-16-3-1X                          | —                                   |
| -59             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -60             | 53-19-7-4X                                                | 53-452-4              | 53-453-2              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -61             | 53-19-12-4X                                               | —                     | —                     | 3-4-8781                                   | 47-16-1-16X                        | 47-16-3-1X                          | —                                   |
| -62             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -63             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -64             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -65             | 53-19-22-1X                                               | 53-452-6              | —                     | 4-4-4611-2                                 | 47-16-1-8X                         | —                                   | —                                   |
| -66             | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -67             | 53-19-22-1X                                               | 53-452-6              | —                     | 4-4-4611-2                                 | 47-16-1-8X                         | —                                   | —                                   |
| -68             | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -69             | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -70             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-18X                        | —                                   | —                                   |
| -71             | 53-19-12-4X                                               | —                     | —                     | 53-106-1                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -72             | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-11X                        | —                                   | —                                   |
| -73             | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-8X                         | 47-16-5-43X                         | —                                   |
| -74             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-13X                        | —                                   | —                                   |
| -75             | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | —                                   |
| -76             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| Model ES60-5C   |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301461          |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -1              | 53-19-1-4X                                                | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -2              | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -3              | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -4              | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -5              | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -6              | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -7              | 53-19-12-4X                                               | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -8              | 53-19-7-4X                                                | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -9              | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -10             | 53-19-12-4X                                               | 53-452-3              | —                     | 53-106-2                                   | 47-16-1-8X                         | —                                   | —                                   |
| -11             | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -12             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -13             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -14             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -15             | 53-19-1-4X                                                | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -16             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -17             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -18             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -19             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -20             | 53-19-12-4X                                               | 53-452-3              | —                     | 5-4-6321                                   | 47-16-1-8X                         | —                                   | —                                   |
| -21             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-11X                        | 47-16-3-1X                          | —                                   |
| -22             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -23             | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -24             | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | —                                   |
| -25             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-8X                         | 47-16-5-21X                         | —                                   |
| -26             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -27             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -28             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -29             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -30             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -31             | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -32             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.         | Used By            | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|-----------------|--------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|                 |                    |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model ES60-5C   |                    |                                              |                |                  |                       |                     |                            |                        |
| 301461 (Cont'd) |                    |                                              |                |                  |                       |                     |                            |                        |
| -33             | Ford               | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -34             | Ford               | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -35             | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -36             | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -37             | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -38             | Service            | Pull Type                                    | 2              | 47-518-4-1X      | 70                    | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -39             | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -40             | Service            | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -41             | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-1X             |
| -42             | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-1X             |
| -43             | Universal Go-Tract | Push Type                                    | 3              | 46-518-21-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -44             | Universal Go-Tract | Push Type                                    | —              | —                | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -45             | Service            | Pull Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -46             | Universal Go-Tract | Push Type                                    | 3              | 46-518-21-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -47             | Thomas Built Buses | Pull Type                                    | 2              | 47-518-4-1X      | 75                    | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -48             | Volvo-GM           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -49             | Tree Farmer        | Push Type                                    | 3              | 46-518-21-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| Model ES60-5D   |                    |                                              |                |                  |                       |                     |                            |                        |
| 301462          |                    |                                              |                |                  |                       |                     |                            |                        |
| -1              | Navistar           | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-7-2X             |
| -2              | Navistar           | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-5             | 47-19-77-1X                | 59-15-7-2X             |
| -3              | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -4              | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -5              | Volvo-GM           | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -6              | Volvo-GM           | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -7              | Volvo-GM           | Push Type                                    | 2              | 47-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -8              | Volvo-GM           | Push Type                                    | 2              | 47-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -9              | Volvo-GM           | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -10             | Volvo-GM           | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -11             | Ford               | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-1X             |
| -12             | Ford               | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-1X             |
| -13             | Ford               | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -14             | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -15             | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -16             | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -17             | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -18             | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -19             | Navistar           | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -20             | Ford               | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -21             | Ford               | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -22             | Volo-GM            | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -23             | Diesel Equipment   | Push Type                                    | 2              | 46-518-22-1X     | 51                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -24             | Navistar           | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-5             | 47-19-77-1X                | 59-15-7-2X             |
| -25             | Badger Equipment   | Pull Type                                    | 2              | 47-518-4-1X      | 67                    | 59-35-9             | 53-19-11-1X                | 59-15-3-2X             |
| -26             | D.W.T.             | Pull Type                                    | 2              | 47-518-4-1X      | 70                    | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -27             | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -28             | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -29             | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -30             | Navistar           | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| Model ES60-5E   |                    |                                              |                |                  |                       |                     |                            |                        |
| 301463          |                    |                                              |                |                  |                       |                     |                            |                        |
| -1              | Volvo-GM           | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -2              | Navistar           | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-12            | 47-19-77-1X                | 59-15-7-2X             |
| -3              | Blue Bird Body     | Push Type                                    | 2              | 312830X          | 56                    | 59-35-1             | 47-19-78-1X                | 59-15-9-2X             |
| -4              | Volvo-GM           | Push Type                                    | 2              | 312256X          | —                     | 59-35-15            | 47-19-80-1X                | 59-15-3-2X             |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab No.        | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|----------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|                |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model ES60-5C  |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301461(Cont'd) |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -33            | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -34            | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -35            | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -36            | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -37            | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -38            | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -39            | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -40            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -41            | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -42            | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -43            | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -44            | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -45            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -46            | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -47            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-13X                        | —                                   | —                                   |
| -48            | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -49            | 53-19-12-4X                                               | —                     | —                     | 4-4-4491                                   | 47-16-1-17X                        | —                                   | —                                   |
| Model ES60-5D  |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301462         |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -1             | 53-19-1-4X                                                | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -2             | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -3             | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -4             | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -5             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -6             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -7             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -8             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -9             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -10            | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -11            | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -12            | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -13            | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -14            | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -15            | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -16            | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -17            | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -18            | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -19            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-1-6-3-1X                         | —                                   |
| -20            | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -21            | 53-19-12-2X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -22            | 53-19-7-2X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -23            | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -24            | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -25            | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -26            | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-8X                         | 47-16-3-25X                         | —                                   |
| -27            | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -28            | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -29            | 53-19-26-2X                                               | 53-452-5              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -30            | 53-19-24-2X                                               | 53-452-5              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| Model ES60-5E  |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301463         |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -1             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -2             | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -3             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -4             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |

# MODEL ES60-5

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.         | Used By               | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|-----------------|-----------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|                 |                       |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model ES60-5E   |                       |                                              |                |                  |                       |                     |                            |                        |
| 301463 (Cont'd) |                       |                                              |                |                  |                       |                     |                            |                        |
| -5              | Volvo-GM              | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -6              | Volvo-GM              | Push Type                                    | —              | —                | —                     | 59-35-15            | 47-19-80-1X                | 59-15-3-2X             |
| -7              | Volvo-GM              | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -8              | Navistar              | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-7-2X             |
| -9              | Navistar              | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-7-2X             |
| -10             | Volvo-GM              | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-9-2X             |
| -11             | Volvo-GM              | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-9-2X             |
| -12             | Volvo-GM              | Push Type                                    | 2              | 312256X          | —                     | 59-35-15            | 47-19-80-1X                | 59-15-9-2X             |
| -13             | Navistar              | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-16            | 53-19-11-1X                | 59-15-7-2X             |
| -14             | Volvo-GM              | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -15             | Canadian Foremost     | Push Type                                    | 3              | 46-518-21-1X     | 57                    | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -16             | Service               | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -17             | Drivetrain            | Pull Type                                    | —              | —                | —                     | 59-35-1             | 53-19-11-1X                | 59-15-3-2X             |
| -18             | Drivetrain            | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -19             | Volvo-GM              | Push Type                                    | —              | —                | —                     | 59-35-15            | 47-19-80-1X                | 59-15-3-2X             |
| -20             | Volvo-GM              | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -21             | Drivetrain            | Pull Type                                    | 2              | 47-518-4-1X      | 62                    | 59-35-14            | 53-19-11-1X                | 59-15-3-2X             |
| -22             | Volvo-GM              | Push Type                                    | 2              | 312256X          | —                     | 59-35-15            | 47-19-80-1X                | 59-15-3-2X             |
| -23             | Navistar              | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-16            | 53-19-11-1X                | 59-15-7-2X             |
| -24             | Volvo-GM              | Push Type                                    | 2              | 47-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -25             | T.S.P.                | Pull Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 53-19-11-1X                | 59-15-3-2X             |
| -26             | Volvo-GM              | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -27             | Volvo-GM              | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -28             | Volvo-GM              | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-9-2X             |
| -29             | Volvo-GM              | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-9-2X             |
| -30             | Spicer France         | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-78-1X                | 59-15-7-2X             |
| -31             | Volvo-GM              | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -32             | Volvo-GM              | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -33             | Transquipment Incorp. | Push Type                                    | 3              | 46-518-21-1X     | 22                    | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -34             | Vermeer Mfg.          | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -35             | Ford                  | Pull Type                                    | —              | —                | —                     | 59-35-11            | 47-19-73-1X                | 59-15-5-2X             |
| -36             | Ford                  | Push Type                                    | —              | —                | —                     | 59-35-11            | 47-19-73-1X                | 59-15-5-2X             |
| -37             | Ford                  | Push Type                                    | —              | —                | —                     | 59-35-11            | 47-19-73-1X                | 59-15-5-2X             |
| -38             | Ford                  | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-17            | 47-19-74-1X                | 59-15-1-2X             |
| -39             | Ford                  | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-17            | 47-19-74-1X                | 59-15-1-2X             |
| -40             | Ford                  | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-17            | 47-19-74-1X                | 59-15-1-2X             |
| -41             | Vermeer Mfg.          | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-1             | 47-19-82-1X                | 59-15-12-4X            |
| -42             | Ford                  | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-1-2X             |
| -43             | Ford                  | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-1-2X             |
| -44             | Ford                  | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-1-2X             |
| -45             | Service               | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-1             | 53-19-11-1X                | 59-15-3-2X             |
| -46             | Volvo-GM              | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-3-2X             |
| -47             | Volvo-GM              | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-3-2X             |
| -48             | Rolligon Corp.        | Pull Type                                    | 2              | 47-518-4-1X      | 62                    | 59-35-14            | 53-19-11-1X                | 59-15-7-2X             |
| -49             | Spicer France         | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-78-1X                | 59-15-7-2X             |
| -50             | T.S.P.                | Push Type                                    | 2              | 312830X          | 56                    | 59-35-1             | 47-19-78-1X                | 59-15-9-2X             |
| -51             | Ford                  | Push Type                                    | —              | —                | —                     | 59-35-11            | 47-19-73-1X                | 59-15-5-2X             |
| -52             | Ford                  | Push Type                                    | —              | —                | —                     | 59-35-11            | 47-19-73-1X                | 59-15-5-2X             |
| -53             | Ford                  | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-17            | 47-19-74-1X                | 59-15-1-2X             |
| -54             | Ford                  | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-17            | 47-19-74-1X                | 59-15-1-2X             |
| -55             | Ford                  | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-1-2X             |
| -56             | Spicer France         | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-78-1X                | 59-15-7-2X             |
| -57             | Spicer France         | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-78-1X                | 59-15-7-2X             |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL ES60-5

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab No.         | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|-----------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|                 |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model ES60-5E   |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301463 (Cont'd) |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -5              | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -6              | 53-19-12-4X                                               | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -7              | 53-19-12-4X                                               | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -8              | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -9              | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -10             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -11             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -12             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -13             | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -14             | 53-19-7-4X                                                | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -15             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | —                                   | —                                   |
| -16             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -17             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -18             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -19             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -20             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -21             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -22             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -23             | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -24             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -25             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-12X                        | 47-16-3-25X                         | —                                   |
| -26             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -27             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -28             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -29             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -30             | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-11X                        | —                                   | —                                   |
| -31             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -32             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -33             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-13X                        | 47-16-3-1X                          | —                                   |
| -34             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -35             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -36             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -37             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -38             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -39             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -40             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -41             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -42             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -43             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -44             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -45             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -46             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -47             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -48             | 53-19-3-4X                                                | 53-452-2              | —                     | 53-106-2                                   | 47-16-1-8X                         | 47-16-5-21X                         | —                                   |
| -49             | 53-19-7-4X                                                | 53-452-4              | 53-453-2              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -50             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -51             | 53-19-22-1X                                               | 53-452-6              | —                     | 4-4-4611-2                                 | 47-16-1-8X                         | —                                   | —                                   |
| -52             | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -53             | 53-19-22-1X                                               | 53-452-6              | —                     | 4-4-4611-2                                 | 47-16-1-8X                         | —                                   | —                                   |
| -54             | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -55             | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -56             | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-11X                        | —                                   | —                                   |
| -57             | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-8X                         | 47-16-5-43X                         | —                                   |

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# MODEL CM59

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.      | Used By                       | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|--------------|-------------------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|              |                               |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model 5952-A |                               |                                              |                |                  |                       |                     |                            |                        |
| 301360       |                               |                                              |                |                  |                       |                     |                            |                        |
| -1           | Navistar                      | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-7-2X             |
| -2           | Service                       | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -3           | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -4           | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -5           | Navistar                      | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-5             | 47-19-77-1X                | 59-15-7-2X             |
| -6           | Navistar                      | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-5             | 47-19-77-1X                | 59-15-7-2X             |
| -7           | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -8           | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -9           | Volvo-GM                      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -10          | Vermear Mfg.                  | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -11          | Service                       | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-78-1X                | 59-15-3-2X             |
| -12          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -13          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -14          | FWD Corp.                     | Push Type                                    | 2              | 46-518-22-1X     | 28                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -15          | Hendrickson                   | Push Type                                    | 2              | 46-518-22-1X     | 28                    | 59-35-3             | 47-19-82-1X                | 59-15-10-2X            |
| -16          | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -17          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -18          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -19          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -20          | Hendrickson                   | Pull Type                                    | 2              | 47-518-4-1X      | 68                    | 59-35-2             | 53-19-11-1X                | 59-15-10-2X            |
| -21*         | A.M. General                  | Push Type                                    | 2              | 46-518-22-1X     | 21                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -22          | General use                   | Push Type                                    | 3              | 46-518-21-1X     | 36                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -23          | Wilson Mfg.                   | Pull Type                                    | 3              | 46-518-21-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -24          | Blue Bird Body                | Push Type                                    | 2              | 312830X          | 56                    | 59-35-3             | 47-19-78-1X                | 59-15-9-2X             |
| -25          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -26          | General use                   | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -27          | Navistar                      | Pull Type                                    | 2              | 46-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -28          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -29          | Cooper Mfg.                   | Push Type                                    | 3              | 46-518-21-1X     | 49                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -30          | Oshkosh Corp.                 | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -31          | FWD Corp.                     | Push Type                                    | —              | —                | —                     | 59-35-5             | 47-19-77-1X                | 59-15-3-2X             |
| -32          | Drivetrain                    | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -33          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -34          | FWD Corp.                     | Push Type                                    | 2              | 46-518-22-1X     | 54                    | 59-35-3             | 47-19-78-1X                | 59-15-3-2X             |
| -35          | Canadian Foremost             | Push Type                                    | 3              | 46-518-21-1X     | 57                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -36          | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -37          | Cooper Mfg.                   | Pull Type                                    | 2              | 46-518-22-1X     | 3                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -38          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -39          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -40          | Drivetrain                    | Pull Type                                    | 2              | 47-518-4-1X      | 62                    | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -41          | Wich-Tex                      | Pull Type                                    | 2              | 46-518-22-1X     | 12                    | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -42          | Canadian Foremost             | Push Type                                    | 3              | 46-518-21-1X     | 57                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -43          | Gradall                       | Pull Type                                    | 2              | 47-518-4-1X      | 67                    | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -44          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -45          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -46          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -47          | Wich-Tex                      | Pull Type                                    | 3              | 46-518-21-1X     | 12                    | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -48          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -49*         | Thomas Built Buses            | Push Type                                    | 2              | 46-518-22-1X     | 55                    | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -50          | Never released for production |                                              |                |                  |                       |                     |                            |                        |

\* Includes Neutral Safety Switch Kit 313262X - Shipped loose

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# MODEL CM59

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab<br>No.   | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|--------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|              |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model 5952-A |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301360       |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -1           | 53-19-1-4X                                                | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -2           | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -3           | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -4           | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -5           | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -6           | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -7           | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -8           | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -9           | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -10          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -11          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -12          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -13          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -14          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -15          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -16          | 53-19-12-4X                                               | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -17          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -18          | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -19          | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -20          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -21          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-8X                         | —                                   | —                                   |
| -22          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -23          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -24          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -25          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -26          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -27          | 53-19-1-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -28          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -29          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-16X                        | —                                   | —                                   |
| -30          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-8X                         | 47-16-3-25X                         | —                                   |
| -31          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -32          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -33          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -34          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -35          | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -36          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -37          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -38          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -39          | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -40          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -41          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -42          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -43          | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -44          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -45          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -46          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -47          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -48          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -49          | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-9-2X                          |
| -50          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |

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# MODEL CM59

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.         | Used By                       | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|-----------------|-------------------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|                 |                               |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model 5952-A    |                               |                                              |                |                  |                       |                     |                            |                        |
| 301360 (Cont'd) |                               |                                              |                |                  |                       |                     |                            |                        |
| -51             | Spicer France                 | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -52             | Volvo-GM                      | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -53             | Badger Equipment              | Push Type                                    | 2              | 46-518-22-1X     | 53                    | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -54             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -55             | Badger Equipment              | Push Type                                    | 2              | 46-518-22-1X     | 50                    | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -56             | Azcon Inc.                    | Pull Type                                    | 2              | 47-518-4-1X      | 62                    | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -57             | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -58             | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 49-19-73-1X                | 59-15-5-2X             |
| -59             | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -60             | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -61             | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -62             | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -63             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -64             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -65             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -66             | Ardco Inc.                    | Push Type                                    | 3              | 46-518-21-1X     | 19                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -67             | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -68             | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -69             | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -70             | D.W.T.                        | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -71             | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -72             | D.W.T.                        | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-3-2X             |
| -73             | Vermeer Mfg.                  | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -74             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -75             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -76             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -77             | Davey-Kent                    | Pull Type                                    | —              | —                | —                     | 59-35-18            | 53-19-11-1X                | 59-15-3-2X             |
| -78             | D.W.T.                        | Push Type                                    | 3              | 46-518-21-1X     | 22                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -79             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -80             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -81             | Wilson Mfg.                   | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -82             | Australia                     | Push Type                                    | 2              | 46-518-22-1X     | 51                    | 59-35-3             | 49-19-82-1X                | 59-15-3-2X             |
| -83             | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -84             | Davey-Kent                    | Pull Type                                    | —              | —                | —                     | 59-35-18            | 53-19-11-1X                | 59-15-3-2X             |
| -85             | Capitol Trencher              | Pull Type                                    | —              | —                | —                     | 59-35-2             | 53-19-11-1X                | 59-15-5-2X             |
| -86             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -87             | Spicer France                 | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -88             | Stockdale Mine                | Pull Type                                    | 2              | 313216           | —                     | 59-35-18            | 53-19-11-1X                | 59-15-3-2X             |
| -89             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -90             | Salem Tool                    | Pull Type                                    | 2              | 47-518-4-1X      | 63                    | 59-35-9             | 53-19-11-1X                | 53-15-3-2X             |
| -91             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -92             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -93             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -94             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -95             | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -96             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -97             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -98             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -99             | Volvo-GM                      | Pull Type                                    | 2              | 47-518-4-1X      | 2                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -100            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -101            | Never released for production |                                              |                |                  |                       |                     |                            |                        |

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# MODEL CM59

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab<br>No.      | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|-----------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|                 |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model 5952-A    |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301360 (Cont'd) |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -51             | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-11X                        | —                                   | —                                   |
| -52             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -53             | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -54             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -55             | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -56             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -57             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -58             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -59             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -60             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -61             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -62             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -63             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -64             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -65             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -66             | 53-19-12-4X                                               | —                     | —                     | 53-106-1                                   | 47-16-1-8X                         | 47-16-5-38X                         | —                                   |
| -67             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -68             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -69             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -70             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -71             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -72             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -73             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-16X                        | —                                   | —                                   |
| -74             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -75             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -76             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -77             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-16X                        | —                                   | —                                   |
| -78             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-25X                         | —                                   |
| -79             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -80             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -81             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -82             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -83             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -84             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-16X                        | 47-16-3-1X                          | —                                   |
| -85             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -86             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -87             | 53-19-7-4X                                                | 53-452-4              | 53-453-2              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -88             | 53-19-12-4X                                               | —                     | —                     | 3-4-8781                                   | 47-16-1-16X                        | 47-16-3-1X                          | —                                   |
| -89             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -90             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -91             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -92             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -93             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -94             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -95             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -96             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -97             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -98             | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -99             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -100            | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -101            | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |

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# MODEL CM59

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.         | Used By                       | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|-----------------|-------------------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|                 |                               |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model 5952-A    |                               |                                              |                |                  |                       |                     |                            |                        |
| 301360 (Cont'd) |                               |                                              |                |                  |                       |                     |                            |                        |
| -102            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -103            | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -104            | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -105            | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -106            | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -107            | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-1X             |
| -108            | Vermeer Mfg.                  | Push Type                                    | 2              | 47-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -109            | Walker Neer Machine           | Pull Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -110            | Spicer France                 | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -111            | Spicer France                 | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-78-1X                | 59-15-7-2X             |
| -112*           | Thomas Built Buses            | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -113            | Gradall Co.                   | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-3             | 47-19-82-1X                | 59-15-7-2X             |
| -114            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -115            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -116            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -117            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -118            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -119            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -120            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -121            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -122            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -123            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -124            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -125            | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -126            | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| Model 5952C     |                               |                                              |                |                  |                       |                     |                            |                        |
| 301362          |                               |                                              |                |                  |                       |                     |                            |                        |
| -1              | Navistar                      | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-7-2X             |
| -2              | Volvo-GM                      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -3              | Blue Bird                     | Push Type                                    | 2              | 312830X          | 56                    | 59-35-3             | 47-19-78-1X                | 59-15-9-2X             |
| -4              | Gradall Co.                   | Push Type                                    | 2              | 46-518-22-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-7-2X             |
| -5              | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -6              | Volvo-GM                      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -7              | Gradall Co.                   | Push Type                                    | 3              | 46-518-21-1X     | 24                    | 59-35-3             | 47-19-82-1X                | 59-15-7-2X             |
| -8              | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -9              | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -10             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -11             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -12             | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -13             | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -14             | Navistar                      | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-3             | 47-19-77-1X                | 59-15-7-2X             |
| -15             | Volvo-GM                      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -16             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -17             | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -18             | Drivetrain                    | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -19             | Western Star Truck            | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -20             | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -21             | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |

\* Includes Neutral Safety Switch Kit 313262X - Shipped loose

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# MODEL CM59

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab<br>No.      | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|-----------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|                 |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model 5952-A    |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301360 (Cont'd) |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -102            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -103            | 53-19-22-1X                                               | 53-452-6              | —                     | 4-4-4611-2                                 | 47-16-1-8X                         | —                                   | —                                   |
| -104            | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -105            | 53-19-22-1X                                               | 53-452-6              | —                     | 4-4-4611-2                                 | 47-16-1-8X                         | —                                   | —                                   |
| -106            | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -107            | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -108            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-18X                        | —                                   | —                                   |
| -109            | 53-19-12-4X                                               | —                     | —                     | 53-106-1                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -110            | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-11X                        | —                                   | —                                   |
| -111            | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-8X                         | 47-16-5-43X                         | —                                   |
| -112            | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-13X                        | —                                   | —                                   |
| -113            | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | —                                   |
| -114            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -115            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -116            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -117            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -118            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -119            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -120            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -121            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -122            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -123            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -124            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -125            | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -126            | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| Model 5952C     |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301362          |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -1              | 53-19-1-4X                                                | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -2              | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -3              | 53-19-12-4X                                               | 53-452-3              | 62-463-4              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -4              | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -5              | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -6              | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -7              | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | 47-16-8-2X                          |
| -8              | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -9              | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -10             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -11             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -12             | 53-19-12-4X                                               | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -13             | 53-19-7-4X                                                | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -14             | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -15             | 53-19-12-4X                                               | 53-452-3              | —                     | 53-106-2                                   | 47-16-1-8X                         | —                                   | —                                   |
| -16             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -17             | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -18             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -19             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -20             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -21             | 53-19-1-4X                                                | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |

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# MODEL CM59

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.         | Used By                       | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|-----------------|-------------------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|                 |                               |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model 5952-C    |                               |                                              |                |                  |                       |                     |                            |                        |
| 301362 (Cont'd) |                               |                                              |                |                  |                       |                     |                            |                        |
| -22             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -23             | Universal Go-Tract            | Push Type                                    | 2              | 46-518-22-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -24             | Drivetrain                    | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -25             | Volvo-GM                      | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -26             | Volvo-GM                      | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -27             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -28             | Volvo-GM                      | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -29             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -30             | Service                       | Push Type                                    | 2              | 46-518-22-1X     | 34                    | 59-35-4             | 47-19-82-1X                | 59-15-7-2X             |
| -31             | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -32             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -33             | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -34             | Gradall Co.                   | Push Type                                    | 2              | 46-518-22-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-7-2X             |
| -35             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -36             | Shear Truck                   | Push Type                                    | 2              | 46-518-22-1X     | 33                    | 59-35-3             | 47-19-82-1X                | 59-15-9-2X             |
| -37             | FMC Corp.                     | Push Type                                    | 2              | 46-518-22-1X     | 20                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -38             | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -39             | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -40             | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -41             | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -42             | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -43             | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -44             | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -45             | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -46             | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -47             | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -48             | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -49             | Service                       | Pull Type                                    | 2              | 47-518-4-1X      | 70                    | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -50             | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -51             | Service                       | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -52             | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-1X             |
| -53             | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-1X             |
| -54             | Universal Go-Tract            | Push Type                                    | 3              | 46-518-21-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -55             | Universal Go-Tract            | Push Type                                    | —              | —                | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -56             | Service                       | Pull Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -57             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -58             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -59             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -60             | Universal Go-Tract            | Push Type                                    | 3              | 46-518-21-1X     | 34                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -61             | Thomas Built Buses            | Pull Type                                    | 2              | 47-518-4-1X      | 75                    | 59-35-2             | 53-19-11-1X                | 59-15-7-2X             |
| -62             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -63             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -64             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -65             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -66             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -67             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -68             | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -69             | Volvo-GM                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -70             | Tree Farmer                   | Push Type                                    | 3              | 46-518-21-1X     | —                     | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |

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# MODEL CM59

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab<br>No.      | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|-----------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|                 |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model 5952-C    |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301362 (Cont'd) |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -22             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -23             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -24             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -25             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -26             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -27             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -28             | 53-19-12-4X                                               | 53-452-3              | —                     | 5-4-6321                                   | 47-16-1-8X                         | —                                   | —                                   |
| -29             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -30             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-11X                        | 47-16-3-1X                          | —                                   |
| -31             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -32             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -33             | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -34             | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-11X                        | —                                   | —                                   |
| -35             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -36             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-8X                         | 47-16-5-21X                         | —                                   |
| -37             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -38             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -39             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -40             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -41             | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -42             | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -43             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -44             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -45             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -46             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -47             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -48             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -49             | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -50             | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -51             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -52             | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -53             | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -54             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -55             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -56             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -57             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -58             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -59             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -60             | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -61             | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-13X                        | —                                   | —                                   |
| -62             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -63             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -64             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -65             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -66             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -67             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -68             | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -69             | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -70             | 53-19-12-4X                                               | —                     | —                     | 4-4-4491                                   | 47-16-1-17X                        | —                                   | —                                   |

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# MODEL CM59

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.      | Used By                       | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|--------------|-------------------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|              |                               |                                              | S A E          | Assembly No. E-2 | Rel. Code Pages 20-21 |                     |                            |                        |
| Model 5952-D |                               |                                              |                |                  |                       |                     |                            |                        |
| 301363       |                               |                                              |                |                  |                       |                     |                            |                        |
| -1           | Navistar                      | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-7-2X             |
| -2           | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -3           | Navistar                      | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-5             | 47-19-77-1X                | 59-15-7-2X             |
| -4           | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -5           | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -6           | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -7           | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -8           | Volvo-GM                      | Push Type                                    | 2              | 47-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -9           | Volvo-GM                      | Push Type                                    | 2              | 47-518-13-1X     | —                     | 59-35-4             | 47-19-79-1X                | 59-15-3-2X             |
| -10          | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -11          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -12          | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-10            | 47-19-80-1X                | 59-15-3-2X             |
| -13          | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-1X             |
| -14          | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-1X             |
| -15          | Ford                          | Push Type                                    | 2              | 47-518-5         | —                     | 59-35-7             | 47-19-74-1X                | 59-15-1-2X             |
| -16          | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -17          | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -18          | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-1-2X             |
| -19          | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -20          | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -21          | Navistar                      | Pull Type                                    | 2              | 46-518-22-1X     | 8                     | 59-35-3             | 53-19-11-1X                | 59-15-3-2X             |
| -22          | Ford                          | Push Type                                    | —              | —                | —                     | 59-35-6             | 47-19-73-1X                | 59-15-5-2X             |
| -23          | Ford                          | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -24          | Volvo-GM                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -25          | Diesel Equipment              | Push Type                                    | 2              | 46-518-22-1X     | 51                    | 59-35-3             | 47-19-82-1X                | 59-15-3-2X             |
| -26          | Navistar                      | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-5             | 47-19-77-1X                | 59-15-7-2X             |
| -27          | Badger Equipment              | Pull Type                                    | 2              | 47-518-4-1X      | 67                    | 59-35-9             | 53-19-11-1X                | 59-15-3-2X             |
| -28          | D.W.T.                        | Pull Type                                    | 2              | 47-518-4-1X      | 70                    | 59-35-2             | 53-19-11-1X                | 59-15-3-2X             |
| -29          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -30          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -31          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -32          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -33          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -34          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -35          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -36          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -37          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -38          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -39          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -40          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -41          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |
| -42          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-9             | 53-19-11-1X                | 59-15-7-2X             |

### Model 5952E

301364

- 1 Never released for production
- 2 Never released for production
- 3 Never released for production
- 4 Never released for production

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL CM59

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab<br>No.   | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|--------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|              |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model 5952-D |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301363       |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -1           | 53-19-1-4X                                                | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -2           | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -3           | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -4           | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -5           | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -6           | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -7           | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -8           | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -9           | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -10          | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -11          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -12          | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -13          | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -14          | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -15          | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -16          | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -17          | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -18          | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -19          | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -20          | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -21          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-1-6-3-1X                         | —                                   |
| -22          | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -23          | 53-19-12-2X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -24          | 53-19-7-2X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -25          | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -26          | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -27          | 53-19-12-4X                                               | —                     | —                     | 5-4-6321                                   | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -28          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-8X                         | 47-16-3-25X                         | —                                   |
| -29          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -30          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -31          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -32          | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -33          | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -34          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -35          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -36          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -37          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -38          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -39          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -40          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -41          | 53-19-26-2X                                               | 53-452-5              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -42          | 53-19-24-2X                                               | 53-452-5              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |

### Model 5952E

301364

- 1 Never released for production
- 2 Never released for production
- 3 Never released for production
- 4 Never released for production

# MODEL CM59

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.      | Used By                       | For Use With Clutch 13" or 14" Single or 2PL | CLUTCH HOUSING |                  |                       | Main Drive Gear A-1 | Drive Gear Bearing Cap F-2 | Main Case Assembly G-1 |
|--------------|-------------------------------|----------------------------------------------|----------------|------------------|-----------------------|---------------------|----------------------------|------------------------|
|              |                               |                                              | S A E          | Assembly No. E-2 | Ref. Code Pages 20-21 |                     |                            |                        |
| Model 5952-E |                               |                                              |                |                  |                       |                     |                            |                        |
| 301364       |                               |                                              |                |                  |                       |                     |                            |                        |
| -5           | Volvo-GM                      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -6           | Navistar                      | Push Type                                    | 2              | 46-518-23        | —                     | 59-35-12            | 47-19-77-1X                | 59-15-7-2X             |
| -7           | Blue Bird Body                | Push Type                                    | 2              | 312830X          | 56                    | 59-35-1             | 47-19-78-1X                | 59-15-9-2X             |
| -8           | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-15            | 47-19-80-1X                | 59-15-3-2X             |
| -9           | Volvo-GM                      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -10          | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-15            | 47-19-80-1X                | 59-15-3-2X             |
| -11          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -12          | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -13          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -14          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -15          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-7-2X             |
| -16          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-14            | 53-19-11-1X                | 59-15-7-2X             |
| -17          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -18          | Volvo-GM                      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-9-2X             |
| -19          | Volvo-GM                      | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-9-2X             |
| -20          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -21          | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-15            | 47-19-80-1X                | 59-15-9-2X             |
| -22          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-16            | 53-19-11-1X                | 59-15-7-2X             |
| -23          | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -24          | Canadian Foremost             | Push Type                                    | 3              | 46-518-21-1X     | 57                    | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -25          | Service                       | Push Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -26          | Drivetrain                    | Pull Type                                    | —              | —                | —                     | 59-35-1             | 53-19-11-1X                | 59-15-3-2X             |
| -27          | Drivetrain                    | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -28          | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-15            | 47-19-80-1X                | 59-15-3-2X             |
| -29          | Volvo-GM                      | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -30          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -31          | Drivetrain                    | Pull Type                                    | 2              | 47-518-4-1X      | 62                    | 59-35-14            | 53-19-11-1X                | 59-15-3-2X             |
| -32          | Volvo-GM                      | Push Type                                    | 2              | 312256X          | —                     | 59-35-15            | 47-19-80-1X                | 59-15-3-2X             |
| -33          | Navistar                      | Pull Type                                    | 2              | 47-518-4-1X      | —                     | 59-35-16            | 53-19-11-1X                | 59-15-7-2X             |
| -34          | Volvo-GM                      | Push Type                                    | 2              | 47-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -35          | T.S.P.                        | Pull Type                                    | 2              | 46-518-22-1X     | —                     | 59-35-1             | 53-19-11-1X                | 59-15-3-2X             |
| -36          | Volvo-GM                      | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -37          | Volvo-GM                      | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -38          | Volvo-GM                      | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-9-2X             |
| -39          | Volvo-GM                      | Push Type                                    | 2              | 46-518-13-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-9-2X             |
| -40          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -41          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -42          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -43          | Spicer France                 | Push Type                                    | —              | —                | —                     | 59-35-1             | 47-19-78-1X                | 59-15-7-2X             |
| -44          | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -45          | Volvo-GM                      | Push Type                                    | 2              | 47-518-10-1X     | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -46          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -47          | Otis Engineering Corp.        | Push Type                                    | —              | —                | —                     | 59-35-13            | 47-19-79-1X                | 59-15-3-2X             |
| -48          | Transquipment Incorp.         | Push Type                                    | 3              | 46-518-21-1X     | 22                    | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -49          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -50          | Vermeer Mfg.                  | Push Type                                    | 2              | 46-518-22-1X     | 26                    | 59-35-1             | 47-19-82-1X                | 59-15-3-2X             |
| -51          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -52          | Never released for production |                                              |                |                  |                       |                     |                            |                        |
| -53          | Ford                          | Pull Type                                    | —              | —                | —                     | 59-35-11            | 47-19-73-1X                | 59-15-5-2X             |

PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST.

# MODEL CM59

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab<br>No.   | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|--------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|              |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model 5952-E |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301364       |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -5           | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -6           | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -7           | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -8           | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -9           | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -10          | 53-19-12-4X                                               | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -11          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -12          | 53-19-12-4X                                               | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -13          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -14          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -15          | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -16          | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -17          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -18          | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -19          | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -20          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -21          | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -22          | 53-19-1-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -23          | 53-19-7-4X                                                | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -24          | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-8X                         | —                                   | —                                   |
| -25          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -26          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -27          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -28          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -29          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -30          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -31          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -32          | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -33          | 53-19-3-4X                                                | 53-452-2              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -34          | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-10X                        | —                                   | —                                   |
| -35          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-12X                        | 47-16-3-25X                         | —                                   |
| -36          | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -37          | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -38          | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -39          | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -40          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -41          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -42          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -43          | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-11X                        | —                                   | —                                   |
| -44          | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -45          | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -46          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -47          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 5-4-6321                                   | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -48          | 53-19-12-4X                                               | —                     | —                     | 53-106-2                                   | 47-16-1-13X                        | 47-16-3-1X                          | —                                   |
| -49          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -50          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | 47-16-8-2X                          |
| -51          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -52          | Never released for production                             | —                     | —                     | —                                          | —                                  | —                                   | —                                   |
| -53          | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |

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# MODEL CM59

T210-ES60-5

## TABULATED BILLS OF MATERIAL

| Tab No.         | Used By                       | For Use<br>With Clutch<br>13" or 14"<br>Single or 2PL | CLUTCH HOUSING |                        |                                | Main Drive<br>Gear<br>A-1 | Drive Gear<br>Bearing Cap<br>F-2 | Main Case<br>Assembly<br>G-1 |
|-----------------|-------------------------------|-------------------------------------------------------|----------------|------------------------|--------------------------------|---------------------------|----------------------------------|------------------------------|
|                 |                               |                                                       | S<br>A<br>E    | Assembly<br>No.<br>E-2 | Rel.<br>Code<br>Pages<br>20-21 |                           |                                  |                              |
| Model 5952-E    |                               |                                                       |                |                        |                                |                           |                                  |                              |
| 301364 (Cont'd) |                               |                                                       |                |                        |                                |                           |                                  |                              |
| -54             | Ford                          | Push Type                                             | —              | —                      | —                              | 59-35-11                  | 47-19-73-1X                      | 59-15-5-2X                   |
| -55             | Ford                          | Push Type                                             | —              | —                      | —                              | 59-35-11                  | 47-19-73-1X                      | 59-15-5-2X                   |
| -56             | Ford                          | Push Type                                             | 2              | 47-518-5               | —                              | 59-35-17                  | 47-19-74-1X                      | 59-15-1-2X                   |
| -57             | Ford                          | Push Type                                             | 2              | 47-518-5               | —                              | 59-35-17                  | 47-19-74-1X                      | 59-15-1-2X                   |
| -58             | Ford                          | Push Type                                             | 2              | 47-518-5               | —                              | 59-35-17                  | 47-19-74-1X                      | 59-15-1-2X                   |
| -59             | Vermeer Mfg.                  | Push Type                                             | 2              | 46-518-22-1X           | 26                             | 59-35-1                   | 47-19-82-1X                      | 59-15-12-4X                  |
| -60             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -61             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -62             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -63             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -64             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -65             | Ford                          | Pull Type                                             | 2              | 47-518-4-1X            | —                              | 59-35-14                  | 53-19-11-1X                      | 59-15-1-2X                   |
| -66             | Ford                          | Pull Type                                             | 2              | 47-518-4-1X            | —                              | 59-35-14                  | 53-19-11-1X                      | 59-15-1-2X                   |
| -67             | Ford                          | Pull Type                                             | 2              | 47-518-4-1X            | —                              | 59-35-14                  | 53-19-11-1X                      | 59-15-1-2X                   |
| -68             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -69             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -70             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -71             | Service                       | Pull Type                                             | 2              | 46-518-22-1X           | 8                              | 59-35-1                   | 53-19-11-1X                      | 59-15-3-2X                   |
| -72             | Volvo-GM                      | Pull Type                                             | 2              | 47-518-4-1X            | —                              | 59-35-14                  | 53-19-11-1X                      | 59-15-3-2X                   |
| -73             | Volvo-GM                      | Pull Type                                             | 2              | 47-518-4-1X            | —                              | 59-35-14                  | 53-19-11-1X                      | 59-15-3-2X                   |
| -74             | Rolligon Corp.                | Pull Type                                             | 2              | 47-518-4-1X            | 62                             | 59-35-14                  | 53-19-11-1X                      | 59-15-7-2X                   |
| -75             | Spicer France                 | Push Type                                             | —              | —                      | —                              | 59-35-1                   | 47-19-78-1X                      | 59-15-7-2X                   |
| -76             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -77             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -78             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -79             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -80             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -81             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -82             | Never released for production |                                                       |                |                        |                                |                           |                                  |                              |
| -83             | T.S.P.                        | Push Type                                             | 2              | 312830X                | 56                             | 59-35-1                   | 47-19-78-1X                      | 59-15-9-2X                   |
| -84             | Ford                          | Push Type                                             | —              | —                      | —                              | 59-35-11                  | 47-19-73-1X                      | 59-15-5-2X                   |
| -85             | Ford                          | Push Type                                             | —              | —                      | —                              | 59-35-11                  | 47-19-73-1X                      | 59-15-5-2X                   |
| -86             | Ford                          | Push Type                                             | 2              | 47-518-5               | —                              | 59-35-17                  | 47-19-74-1X                      | 59-15-1-2X                   |
| -87             | Ford                          | Push Type                                             | 2              | 47-518-5               | —                              | 59-35-17                  | 47-19-74-1X                      | 59-15-1-2X                   |
| -88             | Ford                          | Pull Type                                             | 2              | 47-518-4-1X            | —                              | 59-35-14                  | 53-19-11-1X                      | 59-15-1-2X                   |
| -89             | Spicer France                 | Push Type                                             | —              | —                      | —                              | 59-35-1                   | 47-19-78-1X                      | 59-15-7-2X                   |
| -90             | Spicer France                 | Push Type                                             | —              | —                      | —                              | 59-35-1                   | 47-19-78-1X                      | 59-15-7-2X                   |

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# MODEL CM59

## TABULATED BILLS OF MATERIAL

T210-ES60-5

| Tab No.      | Rear Bearing Cap Assembly<br>Cap, Seal and Bushing<br>H-1 | SPEEDOMETER           |                       | End Yoke or<br>Companion<br>Flange<br>B-22 | SHIFTER                            |                                     |                                     |
|--------------|-----------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
|              |                                                           | Drive<br>Gear<br>B-21 | Driven<br>Gear<br>H-8 |                                            | Housing<br>Ass'y<br>Pages<br>14-15 | Lever &<br>Dome Ass'y<br>Page<br>19 | Remote<br>Control<br>Pages<br>16-18 |
| Model 5952-E |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| 301364       |                                                           |                       |                       |                                            |                                    |                                     |                                     |
| -54          | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -55          | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -56          | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -57          | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -58          | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -59          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -60          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -61          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -62          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -63          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -64          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -65          | 53-19-13-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -66          | 53-19-15-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -67          | 53-19-17-2X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -68          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -69          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -70          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -71          | 53-19-12-4X                                               | —                     | —                     | —                                          | 47-16-1-8X                         | 47-16-3-1X                          | —                                   |
| -72          | 53-19-7-4X                                                | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -73          | 53-19-12-4X                                               | 53-452-3              | —                     | —                                          | 47-16-1-8X                         | —                                   | —                                   |
| -74          | 53-19-3-4X                                                | 53-452-2              | —                     | 53-106-2                                   | 47-16-1-8X                         | 47-16-5-21X                         | —                                   |
| -75          | 53-19-7-4X                                                | 53-452-4              | 53-453-2              | —                                          | 47-16-1-11X                        | —                                   | —                                   |
| -76          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -77          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -78          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -79          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -80          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -81          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -82          | Never released for production                             |                       |                       |                                            |                                    |                                     |                                     |
| -83          | 53-19-12-4X                                               | 53-452-3              | 62-453-4              | 53-106-2                                   | 47-16-1-11X                        | —                                   | —                                   |
| -84          | 53-19-22-1X                                               | 53-452-6              | —                     | 4-4-4611-2                                 | 47-16-1-8X                         | —                                   | —                                   |
| -85          | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -86          | 53-19-22-1X                                               | 53-452-6              | —                     | 4-4-4611-2                                 | 47-16-1-8X                         | —                                   | —                                   |
| -87          | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -88          | 53-19-22-1X                                               | 53-452-6              | —                     | 5-4-6481-1                                 | 47-16-1-8X                         | —                                   | —                                   |
| -89          | 53-19-12-4X                                               | 53-452-4              | 53-453-2              | 4-4-4491                                   | 47-16-1-11X                        | —                                   | —                                   |
| -90          | 53-19-12-4X                                               | 53-452'4              | 53-453-2              | 4-4-4491                                   | 47-16-1-8X                         | 47-16-5-43X                         | —                                   |

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