



## Fabco TC-142 PD Transfer case Parts Manual

Pro Gear and Transmission presents Fabco TC-142 PD transfer case parts manual to assist in identifying the parts for your Fabco unit.

If you need any assistance identifying the correct transfer case unit for your truck and equipment, contact your Fabco replacement part specialists at Pro Gear and Transmission.

Pro Gear stocks every part for your Fabco transfer case including: transfer case housings, shafts, gaskets, caps, brackets, plugs, shims and much more.

Pro Gear Transmission has same day shipping and 1000's of products in stock and ready to ship internationally for your next project.

For parts or service contact the Fabco specialists at Pro Gear & Transmission, Inc.

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Pro Gear Fabco TC-142 PD Transfer Case Parts Manual to assist in identifying your Fabco unit.

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(407) 872-1901  
parts@eprogear.com



# FABCO TC-142 PD TRANSFER CASE PARTS MANUAL

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Call 877-776-4600

Fabco Automotive Corporation,

Pro Gear and Transmission, Inc. | 906 West Gore St, Orlando, FL 32805

+1 (877) 776-4600 | +1 (407) 872-1901

[www.progearandtransmission.com](http://www.progearandtransmission.com) | [www.pgttruckparts.com](http://www.pgttruckparts.com) | [parts@eprogear.com](mailto:parts@eprogear.com)

## 8.0 ILLUSTRATED PARTS

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| Lower Shaft TC-142 PD 26/74.....                              | 8.3 |

#### TO USE THIS ILLUSTRATED PARTS SECTION

1. Refer to the figures which illustrate the needed part.
2. Find the required part and note the item number and quantity.
3. Locate the item number in the parts list section for the required part number and description.

**NOTE:** When ordering parts, specify transfer case model number, part number, serial number or other information that is on the Fabco nameplate located on the transfer case housing.

Part numbers contained in this manual were in effect at the time the manual was approved for printing and are subject to change without notice or liability. Fabco Automotive Corporation reserves the right to change parts at anytime.

#### USE ONLY GENUINE FABCO PARTS

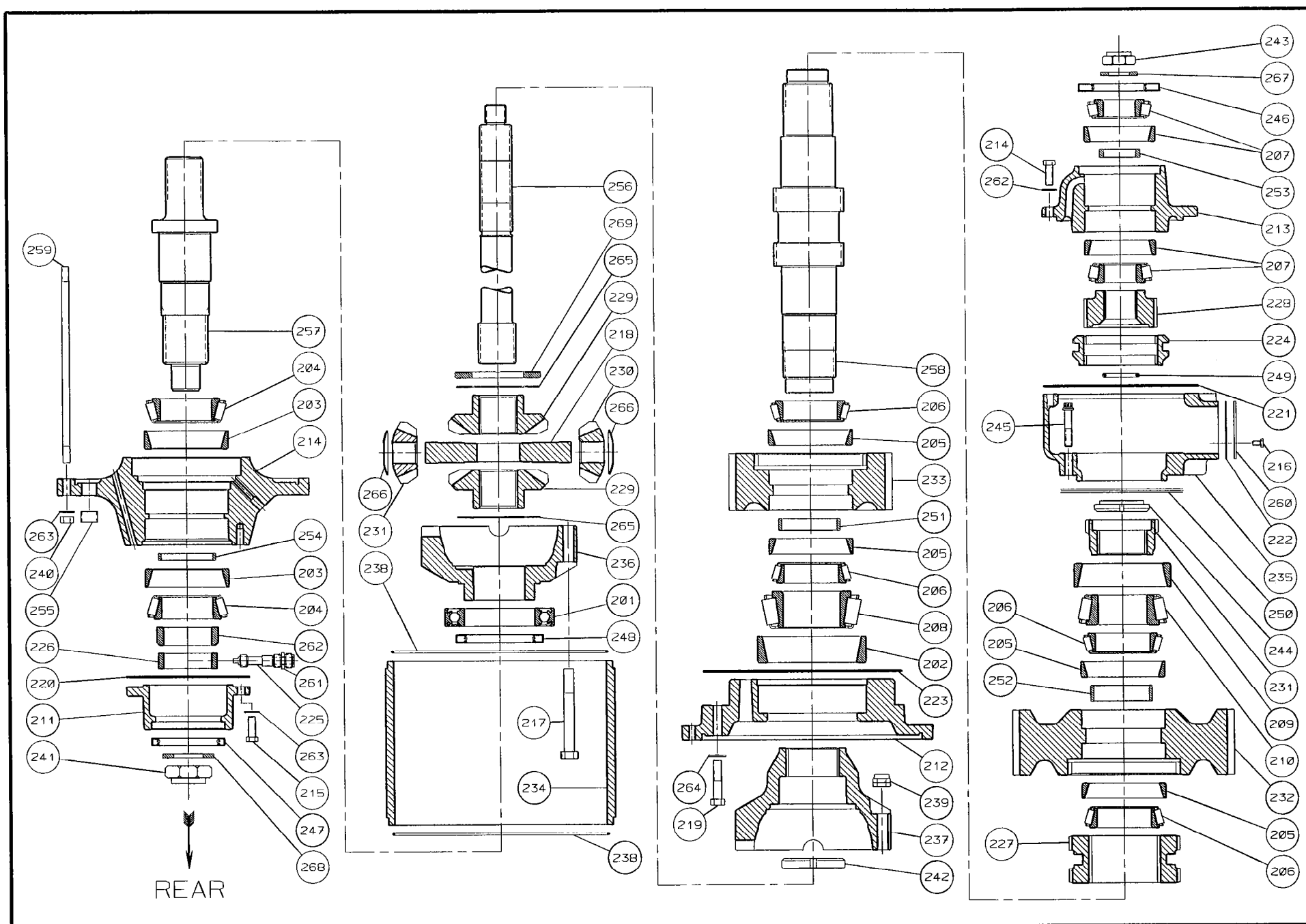


FIGURE 8.1 , TC-142 PD 50/50 LOWER SHAFT PARTS

Pro Gear and Transmission, Inc. 200 West Gore Blvd. #3205  
 +1 (877) 776-4600 | +1 (407) 872-1901  
[www.progearandtransmission.com](http://www.progearandtransmission.com) | [www.pgtruckparts.com](http://www.pgtruckparts.com) | [parts@progear.com](mailto:parts@progear.com)

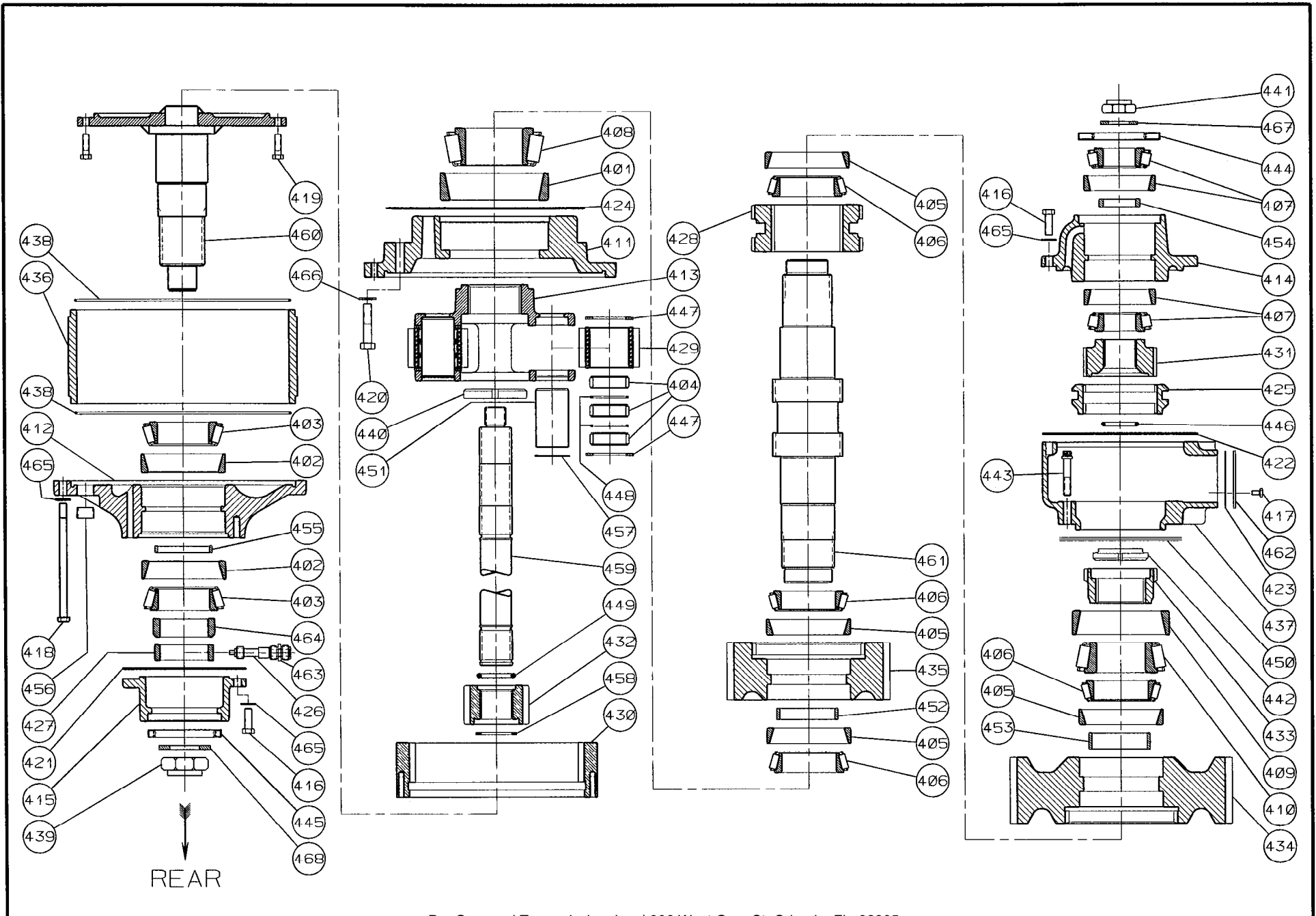


FIGURE 8.3 TC-142 PD LOWER SHAFT PARTS

Pro Gear and Transmission, Inc. | 900 West Gore St, Orlando, FL 32805

1 (877) 776-4600 / (407) 872-1100  
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## 9.0 PARTS LIST TC-142 PD 50/50 LOWER SHAFT

| <u>ITEM</u> | <u>PART NO.</u> | <u>DESCRIPTION</u>                    | <u>QTY</u> | <u>FOOT<br/>NOTE</u> |
|-------------|-----------------|---------------------------------------|------------|----------------------|
| 201         | 232 397         | Bearing                               | 1          |                      |
| 202         | 233 245         | Bearing Cup                           | 1          |                      |
| 203         | 233 394         | Bearing Cup                           | 2          |                      |
| 204         | 233 395         | Bearing Cone                          | 2          |                      |
| 205         | 233 527         | Bearing Cup                           | 4          |                      |
| 206         | 233 528         | Bearing Cone                          | 4          |                      |
| 207         | 233 534         | Bearing Cup & Cone Assembly           | 2          |                      |
| 208         | 233 535         | Bearing Cone                          | 1          |                      |
| 209         | 233 554         | Bearing Cup                           | 1          |                      |
| 210         | 233 556         | Bearing Cone                          | 1          |                      |
| 211         | 237 573 001     | Carrier, Speedo & Rear Output Seal    | 1          |                      |
| 212         | 237 565         | Carrier, Bearing & PD Housing, Inner  | 1          |                      |
| 213         | 237 569         | Carrier, Bearing & Seal, PD Lockout   | 1          |                      |
| 214         | 237 575         | Carrier, Bearing & PD Housing         | 1          |                      |
| 215         | 265 238         | Bolt, H.H., 7/16-14 x 1 1/4           | 14         |                      |
| 216         | 265 343         | Bolt, H.H., 1/4-20 x 1/2              | 4          |                      |
| 217         | 265 759         | Bolt, H.H. 5/8-18 x 5 1/2 Gr. 8       | 8          |                      |
| 218         | 277 264         | Cross, Differential Spider            | 1          |                      |
| 219         | 283 232         | Bolt, H.H., 1/2-13 x 2 3/4            | 11         |                      |
| 220         | 427 372         | Gasket, Front Upper                   | 1          |                      |
| 221         | 427 375         | Gasket, Declutch Carrier              | 1          |                      |
| 222         | 427 376         | Gasket, Declutch Cover                | 1          |                      |
| 223         | 427 432         | Gasket, Rear Output Carrier           | 1          |                      |
| 224         | 432 426         | Gear, Clutch Collar                   | 1          |                      |
| 225         | 432 429         | Gear, Speedo Driven, 13T              | 1          |                      |
| 226         | 432 432         | Gear, Speedo Driven, 6T               | 1          |                      |
| 227         | 432 485         | Gear, Collar, 33 Clutch Teeth         | 1          | 2                    |
| 227         | 432 698         | Gear, Collar, 33 Tapered Clutch Teeth | 1          | 2                    |
| 228         | 432 532         | Gear, Declutch, PD Lockout            | 1          |                      |
| 229         | 432 535         | Gear, Differential Side               | 2          |                      |

**9.0 PARTS LIST TC-142 PD 50/50 LOWER SHAFT CONT'D.**

| <u>ITEM</u> | <u>PART NO.</u> | <u>DESCRIPTION</u>                                     | <u>QTY</u> | <u>FOOT<br/>NOTE</u> |
|-------------|-----------------|--------------------------------------------------------|------------|----------------------|
| 230         | 432 536         | Gear, Differential Pinion                              | 4          |                      |
| 231         | 432 636         | Gear, Declutch, FD & PTO                               | 1          |                      |
| 232         | 432 649         | Gear, Lower, 66 Spur Teeth                             | 1          | 2                    |
| 232         | 432 684         | Gear, Lower, 62 Helical Teeth                          | 1          | 2                    |
| 232         | 432 699         | Gear, Lower, 62 Helical Teeth and Tapered Clutch Teeth | 1          | 2                    |
| 233         | 432 652         | Gear, Lower, 48 Spur Teeth                             | 1          | 2                    |
| 233         | 432 685         | Gear, Lower, 45 Helical Teeth                          | 1          | 2                    |
| 233         | 432 722         | Gear, Lower, 45 Helical Teeth and Tapered Clutch Teeth | 1          | 2                    |
| 234         | 468 627 003     | Housing, Differential                                  | 1          |                      |
| 235         | 478 233         | Housing, Declutch Front                                | 1          |                      |
| 236         | 478 234         | Housing, Differential Case Rear                        | 1          |                      |
| 237         | 478 235         | Housing, Differential Case Front                       | 1          |                      |
| 238         | 675 279         | O-Ring                                                 | 2          |                      |
| 239         | 688 292         | Nut, Lock, 5/8-18                                      | 8          |                      |
| 240         | 688 493         | Nut, Lock, 7/16-20                                     | 12         |                      |
| 241         | 688 642         | Nut, Lock, 1 3/4-16                                    | 1          |                      |
| 242         | 688 644         | Nut, Lock, 2.933-12 SAE                                | 1          |                      |
| 243         | 688 727         | Nut, Lock, 1 1/4-12                                    | 1          |                      |
| 244         | 688 746 001     | Nut, Stake, 2.548-18, LH                               | 1          |                      |
| 245         | 724 677         | Screw, 12-Pt., 7/16-14 x 2 1/4                         | 8          |                      |
| 246         | 732 388         | Seal, Oil, Front Output                                | 1          |                      |
| 247         | 732 389         | Seal, Oil, Rear Output                                 | 1          |                      |
| 248         | 732 392         | Seal, Oil, Rear Output                                 | 1          |                      |
| 249         | 736 833         | Ring, Retaining                                        | 1          |                      |
| 250         | 744 357 001     | Shim, Red .002 Thick, Lower Shaft Front                | A/R        | 1                    |
|             | 744 357 002     | Shim, Blue .005 Thick, Lower Shaft Front               | A/R        | 1                    |
|             | 744 357 003     | Shim, Pink .015 Thick, Lower Shaft Front               | A/R        | 1                    |
|             | 744 357 004     | Shim, Coral .030 Thick, Lower Shaft Front              | A/R        | 1                    |
| 251         | 756 237 001     | Ring, Bearing Spacer, .725 Thick                       | 1          |                      |
| 252         | 756 237 005     | Ring, Bearing Spacer, .997 Thick                       | 1          |                      |
| 253         | 756 242 001     | Ring, Bearing Spacer, .503 Thick                       | 1          |                      |
| 254         | 756 243 001     | Ring, Bearing Spacer, .425 Thick                       | 1          |                      |
| 255         | 758 274         | Plug, Magnetic, 3/4 NPT                                | 1          |                      |

## 9.0 PARTS LIST TC-142 PD 50/50 LOWER SHAFT CONT'D.

| <u>ITEM</u> | <u>PART NO.</u> | <u>DESCRIPTION</u>                     | <u>QTY</u> | <u>FOOT<br/>NOTE</u> |
|-------------|-----------------|----------------------------------------|------------|----------------------|
| 256         | 776 252         | Shaft, Inner Lower                     | 1          |                      |
| 257         | 776 253         | Shaft, Lower, Rear Output              | 1          |                      |
| 258         | 776 275         | Shaft, Lower Outer                     | 1          |                      |
| 259         | 788 548 005     | Stud, 7/16-14 x 7/16-20 x 12" Long     | 12         |                      |
| 260         | 792 866         | Plate, Declutch Cover                  | 1          |                      |
| 261         | 883 473         | Tube, Sleeve, Speedo Driven Gear       | 1          |                      |
| 262         | 883 996 002     | Tube, Spacer, Rear Output              | 1          |                      |
| 263         | 927 347         | Washer, Flat, 7/16                     | 26         |                      |
| 264         | 927 722         | Washer, Flat, 1/2                      | 11         |                      |
| 265         | 927 737         | Washer, Thrust, Differential Side Gear | 2          |                      |
| 266         | 927 738         | Washer, Thrust, Differential Pinion    | 4          |                      |
| 267         | 927 775 002     | Washer, Front Output                   | 1          |                      |
| 268         | 927 775 006     | Washer, Rear Output                    | 1          |                      |
| 269         | 927 825         | Washer, Thrust                         | 1          |                      |

### FOOTNOTE:

1. For shim pack selection, see section 6.5 of the Fabco TC-142 PD Transfer Case Parts and Service Manual.
2. Verify correct part number etched on gear.

## 9.0 PARTS LIST TC-142 PD DIFFERENTIAL LOCKOUT SHIFT CYLINDER

| ITEM | PART NO.    | DESCRIPTION                                       | QTY |
|------|-------------|---------------------------------------------------|-----|
| 301  | 235 352     | Cap, Shift Cylinder                               | 1   |
| 302  | 265 768     | Bolt, H.H. 7/16-20 x 1 3/8 GR 8 with Drilled Head | 2   |
| 303  | 265 769     | Bolt, H.H. 1/4-20 x 3 3/4                         | 4   |
| 304  | 339 223     | Felt Wiper                                        | 1   |
| 305  | 367 254     | Fork, Shift, Declutch                             | 1   |
| 306  | 675 224     | O-Ring, Shift Cylinder                            | 3   |
| 307  | 675 326     | O-Ring, Shift Piston                              | 1   |
| 308  | 688 464     | Nut, Lock, 3/8-24                                 | 1   |
| 309  | 736 747     | Stop Ring, Piston                                 | 1   |
| 310  | 742 799     | Shaft Shifter, Declutch                           | 1   |
| 311  | 746 628     | Pin, Dowel, 5/16 x 1 1/4                          | 1   |
| 312  | 753 232     | Piston, Shift                                     | 1   |
| 313  | 758 328     | Plug, 1" Welch                                    | 1   |
| 314  | 777 477     | Spring, Shifter Shaft, Declutch                   | 1   |
| 315  | 782 288     | O-Ring, Shifter Shaft, Declutch                   | 1   |
| 316  | 798 245     | Switch, Shift Indicator, Declutch                 | 1   |
| 317  | 883 482     | Tube, Shift Cylinder Adapter, Declutch            | 1   |
| 318  | 883 887 001 | Tube, Shift Cylinder, Declutch, 2.75 Long         | 1   |
| 319  | 927 427     | Washer, Copper                                    | 1   |
| 320  | 927 643     | Washer, Shifter Shaft, Declutch                   | 1   |
| 321  | 947 223     | Lockwire                                          | 1   |

## 9.0 PARTS LIST TC-142 PD 26/74 LOWER SHAFT

| ITEM | PART NO.    | DESCRIPTION                           | QTY | FOOT<br>NOTE |
|------|-------------|---------------------------------------|-----|--------------|
| 401  | 233 245     | Bearing Cup                           | 1   |              |
| 402  | 233 394     | Bearing Cup                           | 2   |              |
| 403  | 233 395     | Bearing Cone                          | 2   |              |
| 404  | 233 437     | Bearing, Needle, Assembly             | 9   |              |
| 405  | 233 527     | Bearing Cup                           | 4   |              |
| 406  | 233 528     | Bearing Cone                          | 4   |              |
| 407  | 233 534     | Bearing Cup & Cone Assembly           | 2   |              |
| 408  | 233 535     | Bearing Cone                          | 1   |              |
| 409  | 233 554     | Bearing Cup                           | 1   |              |
| 410  | 233 556     | Bearing Cone                          | 1   |              |
| 411  | 237 565     | Carrier, Bearing & PD Housing, Inner  | 1   |              |
| 412  | 237 567     | Carrier, Bearing & PD Housing         | 1   |              |
| 413  | 237 568     | Carrier, Planet                       | 1   |              |
| 414  | 237 569     | Carrier, Bearing & Seal, PD Lockout   | 1   |              |
| 415  | 237 573 001 | Carrier, Speedo & Rear Output Seal    | 1   |              |
| 416  | 265 238     | Bolt, H.H., 7/16-14 x 1 1/4           | 14  |              |
| 417  | 265 343     | Bolt, H.H., 1/4-20 x 1/2              | 4   |              |
| 418  | 265 923     | Bolt, H.H., 7/16-14 x 7               | 12  |              |
| 419  | 2831229     | Bolt, H.H., 3/8-16 x 1 1/4 w/Dri-Loc  | 12  |              |
| 420  | 283 232     | Bolt, H.H., 1/2-13 x 2 3/4            | 11  |              |
| 421  | 427 372     | Gasket, Front Upper                   | 1   |              |
| 422  | 427 375     | Gasket, Declutch Carrier              | 1   |              |
| 423  | 427 376     | Gasket, Declutch Cover                | 1   |              |
| 424  | 427 432     | Gasket, Rear Output Carrier           | 1   |              |
| 425  | 432 426     | Gear, Clutch Collar                   | 1   |              |
| 426  | 432 429     | Gear, Speedo Driven, 13T              | 1   |              |
| 427  | 432 432     | Gear, Speedo Driven, 6T               | 1   |              |
| 428  | 432 485     | Gear, Collar, 33 Clutch Teeth         | 1   | 2            |
| 428  | 432 698     | Gear, Collar, 33 Tapered Clutch Teeth | 1   | 2            |
| 429  | 432 525     | Gear, Planet                          | 3   |              |
| 430  | 432 526     | Gear, Internal, 62T                   | 1   |              |
| 431  | 432 532     | Gear, Declutch, PD Lockout            | 1   |              |
| 432  | 432 584     | Gear, Sun, 22T                        | 1   |              |
| 433  | 432 636     | Gear, Declutch, FD & PTO              | 1   |              |

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## 9.0 PARTS LIST TC-142 PD 26/74 LOWER SHAFT CONT'D.

| ITEM | PART NO.    | DESCRIPTION                                            | QTY | FOOT<br>NOTE |
|------|-------------|--------------------------------------------------------|-----|--------------|
| 434  | 432 649     | Gear, Lower, 66 Spur Teeth                             | 1   | 2            |
| 434  | 432 684     | Gear, Lower, 62 Helical Teeth                          | 1   | 2            |
| 434  | 432 699     | Gear, Lower, 62 Helical teeth and Tapered Clutch Teeth | 1   | 2            |
| 435  | 432 685     | Gear, Lower, 45 Helical Teeth                          | 1   | 2            |
| 435  | 432 722     | Gear, Lower, 45 Helical Teeth and Tapered Clutch Teeth | 1   | 2            |
| 436  | 468 627 001 | Housing, Planetary                                     | 1   |              |
| 437  | 478 233     | Housing, Declutch Front                                | 1   |              |
| 438  | 675 279     | O-Ring                                                 | 2   |              |
| 439  | 688 642     | Nut, Lock, 1 3/4-16                                    | 1   |              |
| 440  | 688 644     | Nut, Lock, 2.933-12 SAE                                | 1   |              |
| 441  | 688 727     | Nut, Lock, 1 1/4-12                                    | 1   |              |
| 442  | 688 746 001 | Nut, Stake, 2.548-18, LH                               | 1   |              |
| 443  | 724 677     | Screw, 12Pt., 7/16-14 x 2 1/4                          | 8   |              |
| 444  | 732 388     | Seal, Oil, Front Output                                | 1   |              |
| 445  | 732 389     | Seal, Oil, Rear Output                                 | 1   |              |
| 446  | 736 833     | Ring, Retaining                                        | 1   |              |
| 447  | 736 868     | Ring, Spacer, Planet Pin                               | 6   |              |
| 448  | 736 869     | Ring, Spacer, Needle Bearing                           | 6   |              |
| 449  | 736 987     | Ring, Retaining                                        | 1   |              |
| 450  | 744 357 001 | Shim, Red .002 Thick, Lower Shaft Front                | A/R | 1            |
|      | 744 357 002 | Shim, Blue .005 Thick, Lower Shaft Front               | A/R | 1            |
|      | 744 357 003 | Shim, Pink .015 Thick, Lower Shaft Front               | A/R | 1            |
|      | 744 357 004 | Shim, Coral .030 Thick, Lower Shaft Front              | A/R | 1            |
| 451  | 746 737     | Pin, Planet Gear                                       | 3   |              |
| 452  | 756 237 001 | Ring, Bearing Spacer, .725 Thick                       | 1   |              |
| 453  | 756 237 005 | Ring, Bearing Spacer, .997 Thick                       | 1   |              |
| 454  | 756 242 001 | Ring, Bearing Spacer, .503 Thick                       | 1   |              |
| 455  | 756 243 001 | Ring, Bearing Spacer, .425 Thick                       | 1   |              |
| 456  | 758 274     | Plug, Magnetic, 3/4 NPT                                | 1   |              |
| 457  | 762 239     | Snap Ring                                              | 3   |              |
| 458  | 762 327     | Snap Ring, Sun Gear                                    | 1   |              |
| 459  | 776 246     | Shaft, Lower, Inner                                    | 1   |              |
| 460  | 776 249     | Shaft, Weldment, Rear Output                           | 1   |              |

## 9.0 PARTS LIST TC-142 PD 26/74 LOWER SHAFT CONT'D.

| <u>ITEM</u> | <u>PART NO.</u> | <u>DESCRIPTION</u>               | <u>QTY</u> | <u>FOOT<br/>NOTE</u> |
|-------------|-----------------|----------------------------------|------------|----------------------|
| 461         | 776 275         | Shaft, Lower Outer               | 1          |                      |
| 462         | 792 866         | Plate, Declutch Cover            | 1          |                      |
| 463         | 883 473         | Tube, Sleeve, Speedo Driven Gear | 1          |                      |
| 464         | 883 996 002     | Tube, Spacer, Rear Output        | 1          |                      |
| 465         | 927 347         | Washer, Flat, 7/16               | 26         |                      |
| 466         | 927 722         | Washer, Flat, 1/2                | 11         |                      |
| 467         | 927 775 002     | Washer, Front Output             | 1          |                      |
| 468         | 927 775 006     | Washer, Rear Output              | 1          |                      |

### FOOTNOTE:

1. For shim pack selection, see section 6.5 of the Fabco TC-142 PD Transfer Case Parts and Service Manual.
2. Verify correct part number etched on gear.