

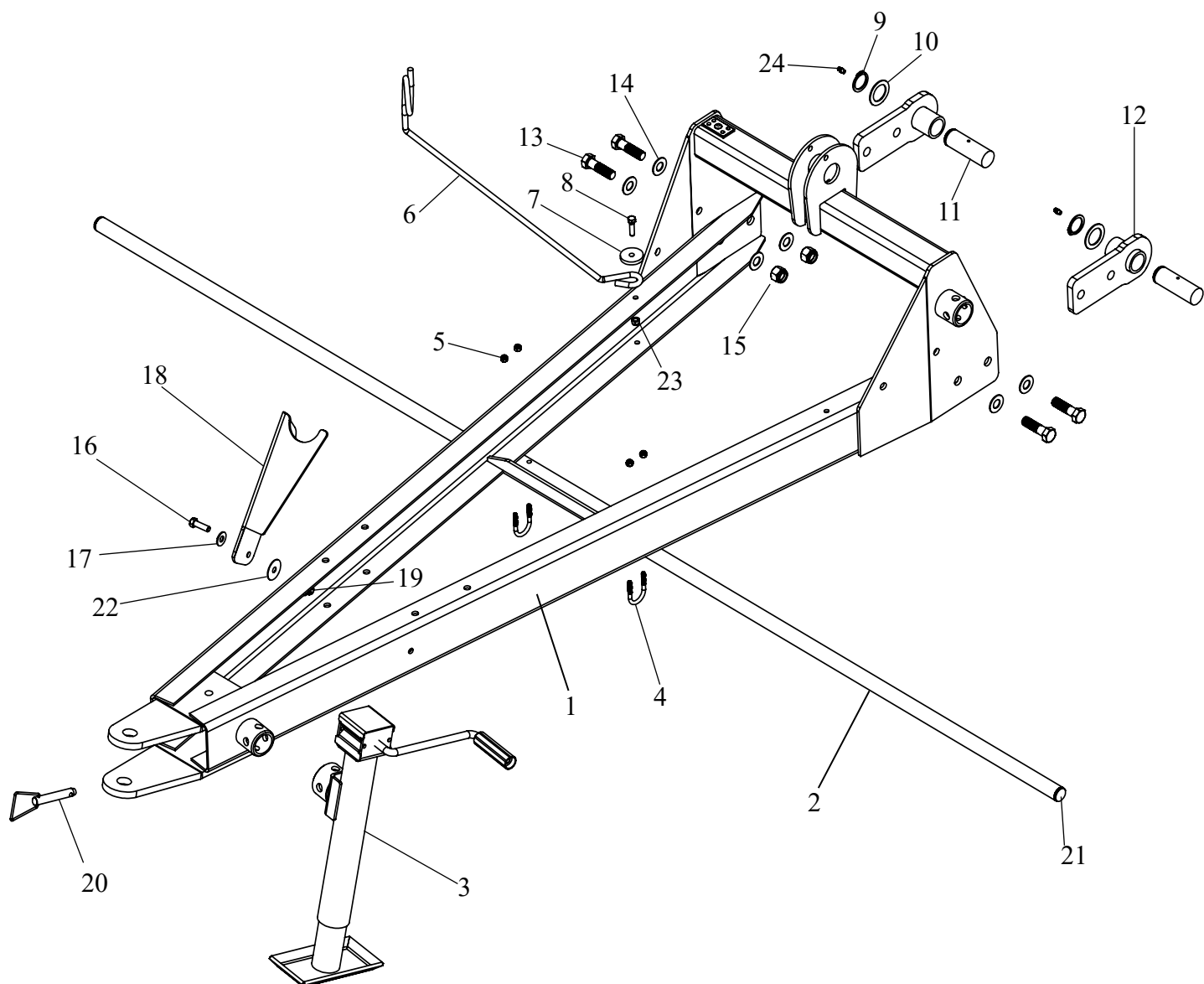


# HT4102 Rotary Tedder

## Illustrated Parts Breakdown

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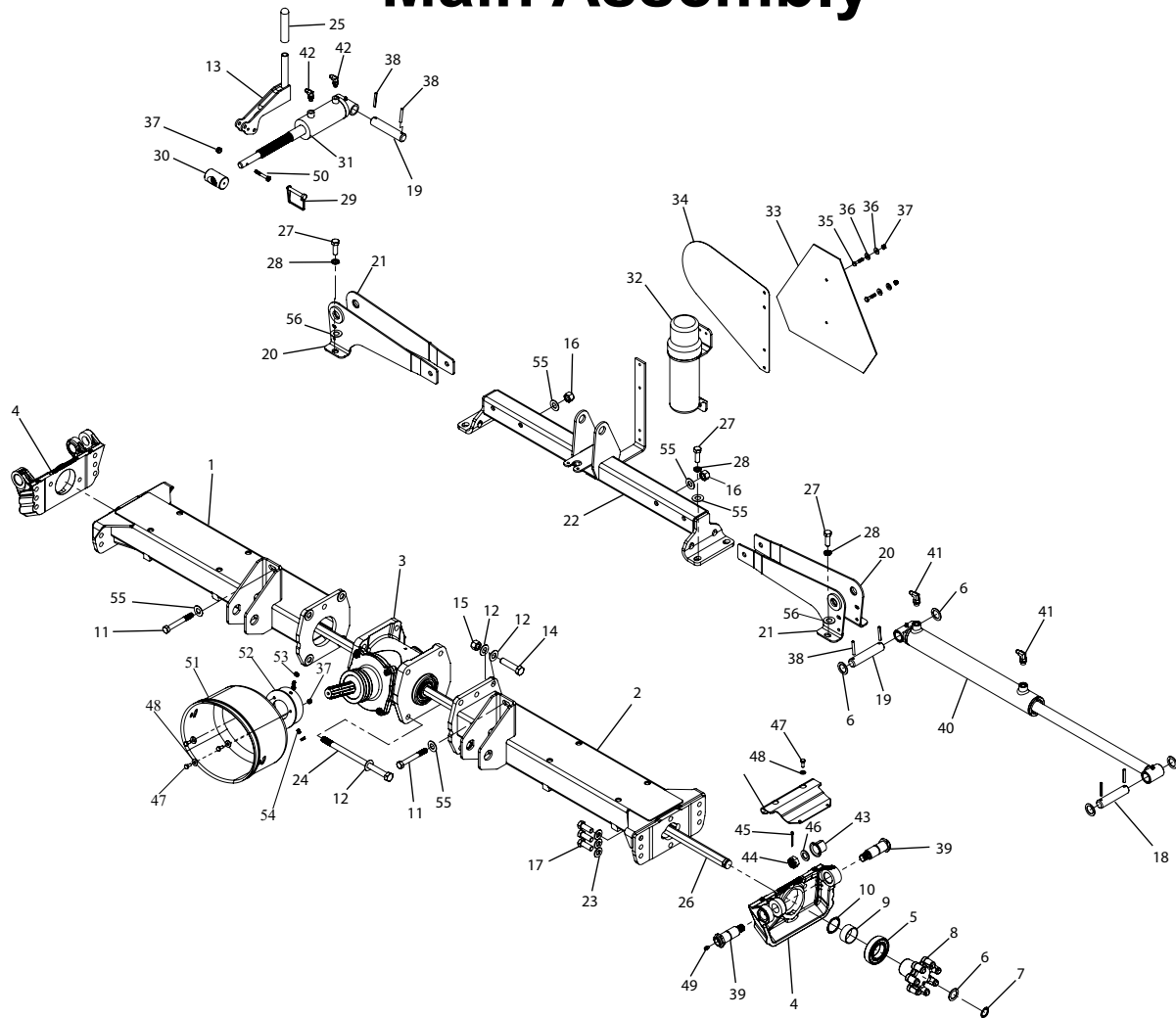
# Tongue Assembly



| Ref# | Description                   | Part#  |
|------|-------------------------------|--------|
| 1    | Tongue Weldment 4102          | 704068 |
| 2    | Center Pipe Guard             | 703999 |
| 3    | 2K Side Wind Jack             | 903317 |
| 4    | 1/4"-20 x 3/4" U-Bolt         | 705048 |
| 5    | 1/4-20 Nylon Lock Nut         | 003001 |
| 6    | Hose Holder Wireform          | 502288 |
| 7    | Hose Support Hold Down Washer | 502308 |
| 8    | 5/16-18 x 1-1/2 Hex Head Bolt | 000225 |
| 9    | HD 1.25 Ext Ret Ring, 14Ga.   | 702826 |
| 10   | 1.25 Machinery Bushing        | 500185 |
| 11   | Tongue Grease Pin             | 702829 |
| 12   | Tongue Mounting Bracket       | 703484 |
| 13   | 5/8"-11 x 2" Hex Head Bolt    | 000615 |
| 14   | 5/8" SAE Standard Washer      | 001076 |
| 15   | 5/8-11 Nylon Lock Nut         | 000972 |

| Ref# | Description                     | Part#  |
|------|---------------------------------|--------|
| 16   | 3/8-16 x 1.25 HH Bolt Zinc      | 000275 |
| 17   | 3/8 USS Flat Washer             | 001035 |
| 18   | PTO Stand                       | 500015 |
| 19   | 3/8-16 Nylon Lock Nut           | 003000 |
| 20   | 9/16 x 2-1/2 Pull Pin and Chain | 102121 |
| 21   | Pipe Plug                       | 100297 |
| 22   | 3/8 Fender Washer               | 001105 |
| 23   | 5/16-18 Nylon Lock Nut          | 002999 |
| 24   | 1/4-28 Spin Drive Fitting       | 400117 |

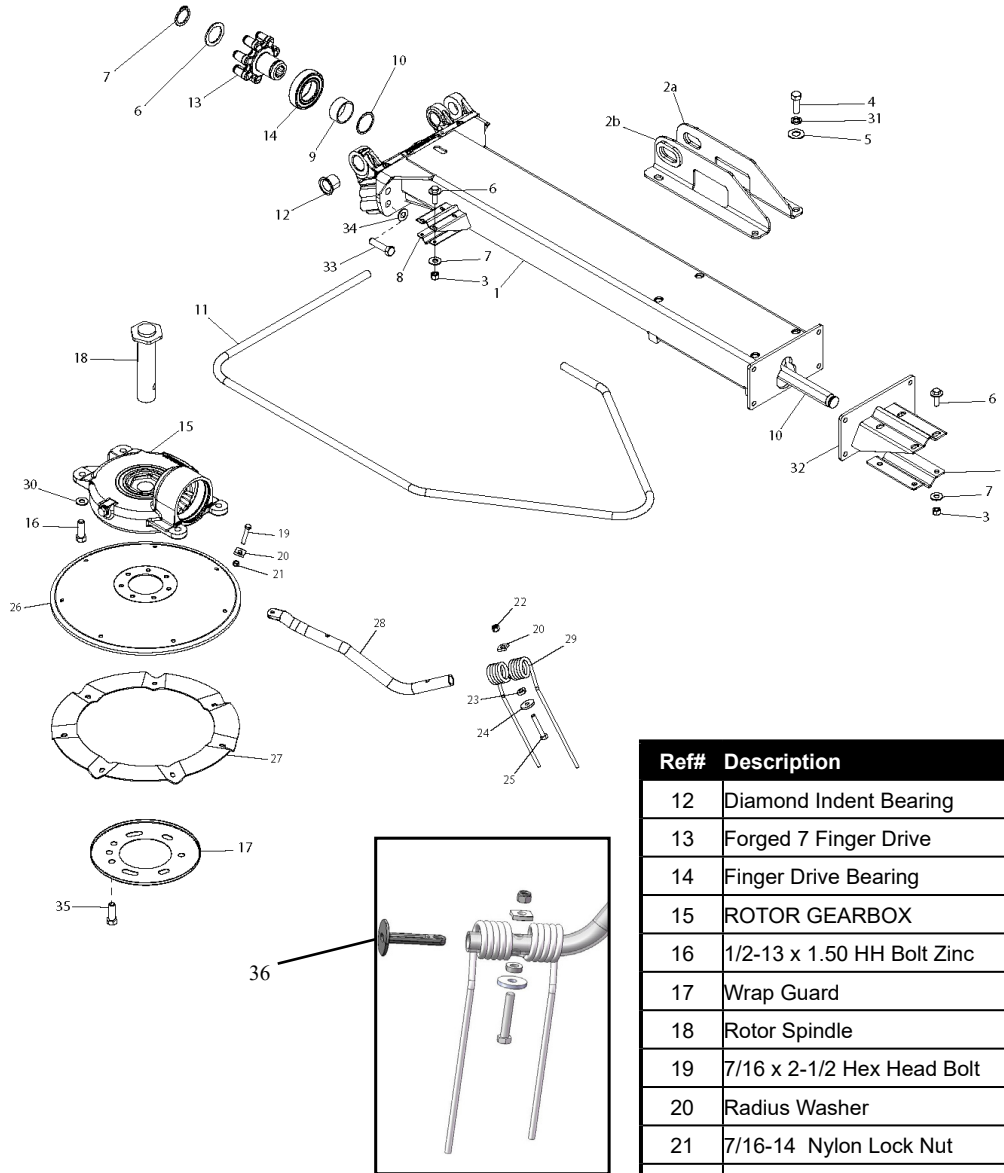
# Main Assembly



| Ref# | Description                   | Part#  |
|------|-------------------------------|--------|
| 1    | Inner Right Arm               | 704029 |
| 2    | Inner Left Arm                | 704028 |
| 3    | 4102 Gearbox                  | 703621 |
| 4    | Pivot Casting                 | 703547 |
| 5    | Finger Drive Bearing          | 705028 |
| 6    | 1" Machinery Bushing 14ga.    | 001008 |
| 7    | 1" Snap Ring                  | 702883 |
| 8    | 7 Finger Drive                | 703546 |
| 9    | Finger Drive Retaining Tube   | 704060 |
| 10   | Smalley Spring: DNS-45        | 704059 |
| 11   | 1/2 - 13 x 4 HH Bolt Gr.5     | 000490 |
| 12   | 5/8 SAE Standard Washer       | 001076 |
| 13   | Tilt Adjustment Handle        | 705038 |
| 14   | 5/8-11 x 2-1/2 Hex Head Bolt  | 000620 |
| 15   | 5/8 Stover Locknut            | 900145 |
| 16   | 1/2-13 Nylon Lock Nut         | 000950 |
| 17   | 9/16"-12x1.5" HBB             | 000577 |
| 18   | 1" Wing Rod Pin x 4.5" Long   | 705083 |
| 19   | 1" Wing Base Pin x 5" Long    | 701016 |
| 20   | Left Rear Cyl Base Bracket    | 703992 |
| 21   | Left Front Cyl Base Bracket   | 703991 |
| 22   | Center Support Weldment       | 704064 |
| 23   | 9/16 Serrated Conical Washer  | 705000 |
| 24   | 5/8 - 11 x 10.5" HH Bolt Zinc | 000691 |
| 25   | .750 Handle Grip              | 900116 |
| 26   | Center Shaft 4102             | 704058 |
| 27   | 1/2-13 x 1.50 HH Bolt Zinc    | 000435 |
| 28   | 1/2 Split Lock Washer         | 000840 |

| Ref# | Description                         | Part#  |
|------|-------------------------------------|--------|
| 29   | Snapper Pin                         | 500158 |
| 30   | Tongue Cylinder Mount               | 502218 |
| 31   | Tongue Hydraulic Cylinder           | 703604 |
| 32   | Ops. Manual Cylinder                | 503050 |
| 33   | Fanny Flag                          | 507166 |
| 34   | Speed Indicator Decal Panel         | 704165 |
| 35   | 1/4-20 x 1.25 HH Bolt               | 000184 |
| 36   | 1/4 USS Flat Washer                 | 001020 |
| 37   | 1/4-20 Nylon Lock Nut               | 003001 |
| 38   | 1/4 x 1 3/4 Roll Pin                | 500187 |
| 39   | Pivot Pin 1.125" x 4"               | 705013 |
| 40   | 2" Bore x 16" stroke wing Cylinder  | 703969 |
| 41   | #4 JIC x #6 Male Boss Elbow Fitting | 700907 |
| 42   | 90 Degree Elbow #4MJ x #4MB         | 900948 |
| 43   | CuSn8 Diamond Indent Bearing        | 703780 |
| 44   | 3/4-16 Castle Nut, Plated           | 705070 |
| 45   | 5/32 x 1-1/2 Cotter Pin             | 001215 |
| 46   | 3/4 x 1-1/4 Machinery Bushing       | 400146 |
| 47   | 1/4-20 x 3/4 HH Bolt Gr. 5          | 000175 |
| 48   | 1/4 SAE Flat Washer Zinc            | 001021 |
| 49   | 1/4-28 Spin Drive Fitting           | 400117 |
| 50   | 1/4"-20 x 1-3/4" HHB Gr. 5          | 000187 |
| 51   | Implement Shield                    | 701205 |
| 52   | Shield Mounting Bracket Weldment    | 703145 |
| 53   | 5/16-24 Hex Jam Nut                 | 001116 |
| 54   | 5/16-24 x 1/2 Set Screw             | 001121 |
| 55   | 1/2 USS Flat Washer, Zinc           | 001055 |
| 56   | 1/2 SAE Standard Washer             | 001061 |

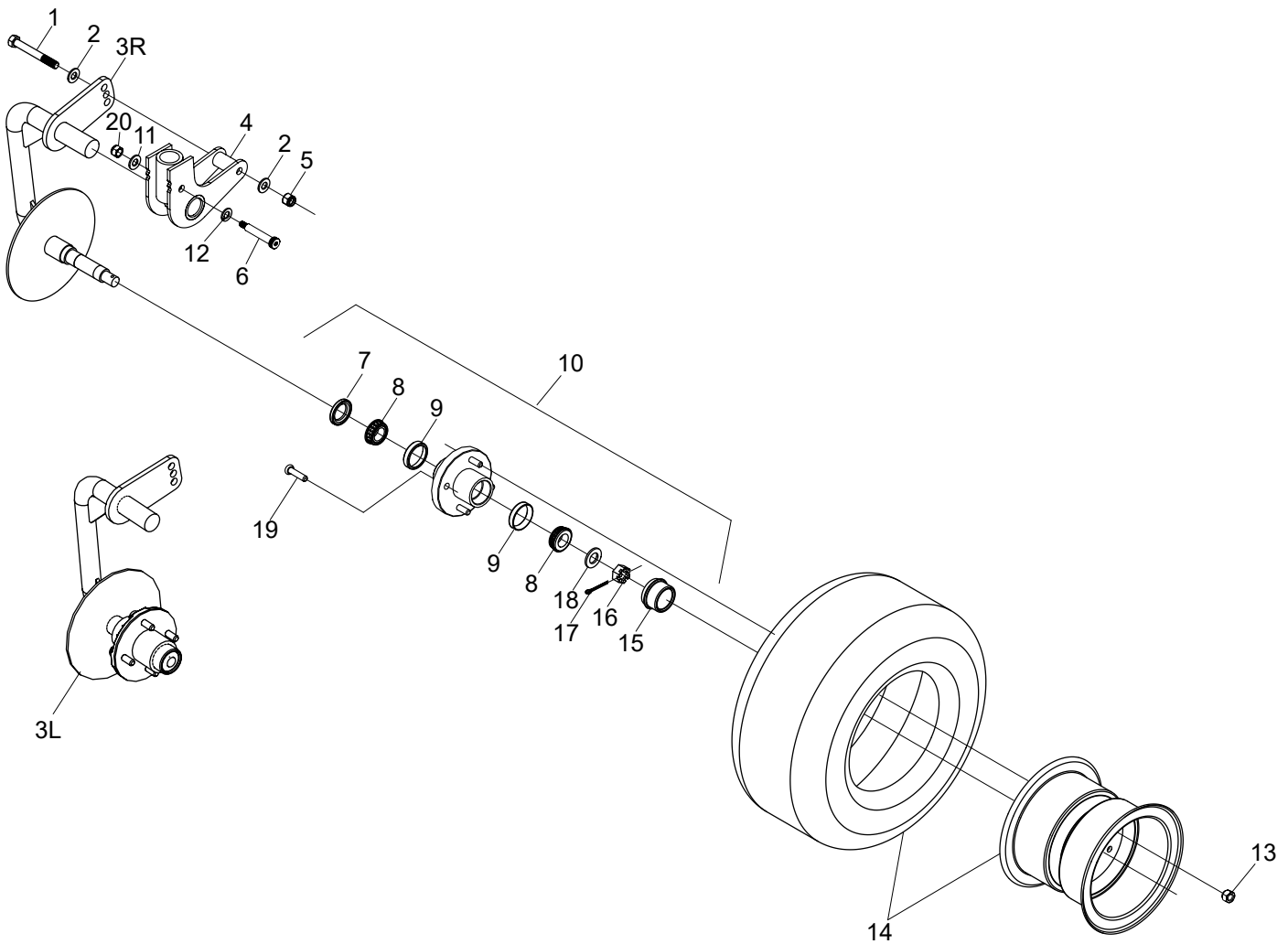
# Rotor and Wing Assembly



| Ref# | Description                 | Part#  |
|------|-----------------------------|--------|
| 1    | Left Tedder End Wing        | 704129 |
|      | Right Tedder End Wing       | 704130 |
| 2a   | Cylinder End Bracket RF     | 704062 |
| 2b   | Cylinder End Bracket LF     | 704063 |
| 3    | 3/8-16 Nylon Lock Nut       | 003000 |
| 4    | 1/2-13 x 1.50 HH Bolt Zinc  | 000435 |
| 5    | 5/8 SAE Standard Washer     | 001076 |
| 6    | 3/8-16 x 1.25 HH Bolt Zinc  | 000275 |
| 7    | 3/8 USS Flat Washer         | 001035 |
| 8    | Cradle Guard                | 702696 |
| 9    | Finger Drive Retaining Tube | 704060 |
| 10   | Hex Wing Shaft              | 704057 |
| 11   | Outer Guard                 | 702693 |

| Ref# | Description                           | Part#  |
|------|---------------------------------------|--------|
| 12   | Diamond Indent Bearing                | 703780 |
| 13   | Forged 7 Finger Drive                 | 703546 |
| 14   | Finger Drive Bearing                  | 705028 |
| 15   | ROTOR GEARBOX                         | 704019 |
| 16   | 1/2-13 x 1.50 HH Bolt Zinc            | 000435 |
| 17   | Wrap Guard                            | 702734 |
| 18   | Rotor Spindle                         | 703761 |
| 19   | 7/16 x 2-1/2 Hex Head Bolt            | 000375 |
| 20   | Radius Washer                         | 701008 |
| 21   | 7/16-14 Nylon Lock Nut                | 000385 |
| 22   | 1/2-13 Nylon Lock Nut                 | 000950 |
| 23   | Tine Pitch Adjustment Washer          | 701005 |
| 24   | Bottom Tine Washer                    | 701004 |
| 25   | 1/2 - 13 x 3 HH Bolt Gr.8             | 000471 |
| 26   | Tine Plate                            | 702714 |
| 27   | Tedder Arm Brace                      | 700942 |
| 28   | Tedder Arm                            | 702718 |
| 29   | Black Tine, CCW Rotation              | 700901 |
|      | Gray Tine, CW Rotation                | 700929 |
| 30   | 1/2" Serrated Conical Washer          | 702821 |
| 31   | 1/2 Split Lock Washer                 | 000840 |
| 32   | Guard Sleeve Weldment                 | 702704 |
| 33   | 9/16"-12x1.5" HBB                     | 000577 |
| 34   | 9/16 Serrated Conical Washer          | 705000 |
| 35   | 7/16-14 x 1-1/2 Flanged Hex Head Bolt | 000725 |
| 36   | Tine Saver Option                     | 704116 |

# Axle & Wheel

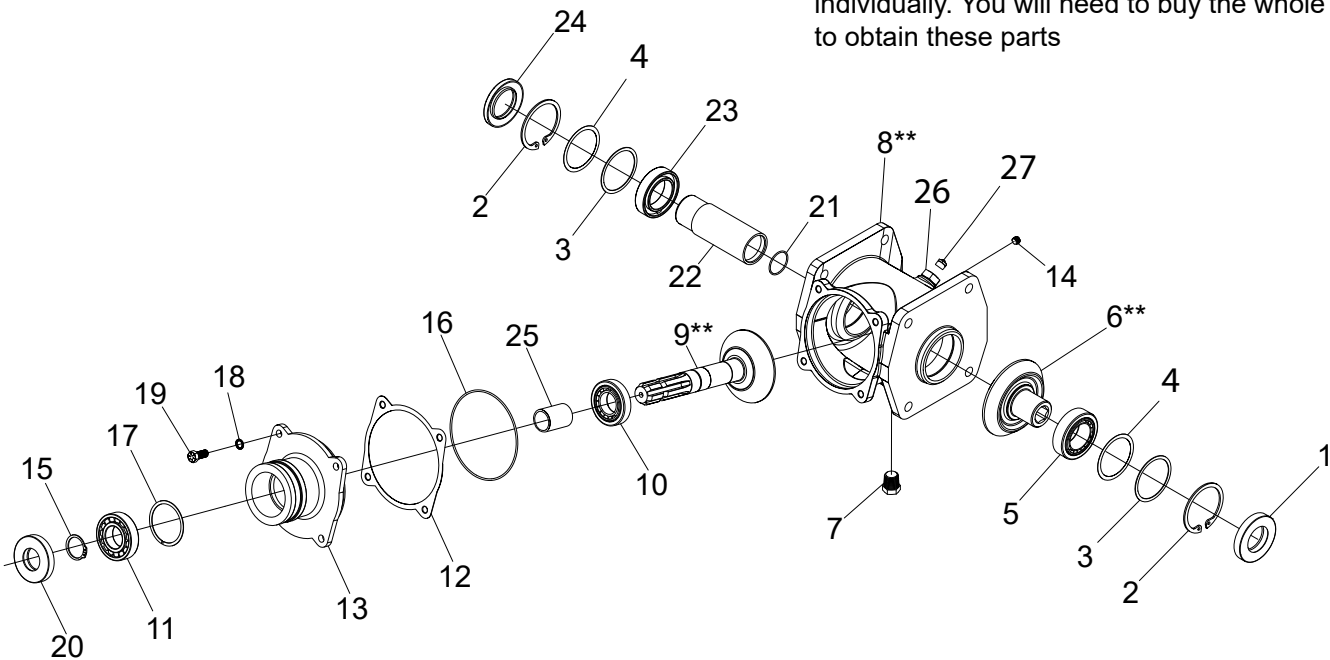


| Ref# | Description                         | Part#  |
|------|-------------------------------------|--------|
| 1    | Bolt, 1/2 x 4                       | 000490 |
| 2    | SAE Washer, 1/2                     | 001061 |
| 3R   | Spindle Assembly, Right             | 702825 |
| 3L   | Spindle Assembly, Left              | 702824 |
| 4    | Spindle Bracket                     | 703763 |
| 5    | Nylon Locknut, 1/2                  | 000950 |
| 6    | 3/8" x 2-1/2" x 5/16" Shoulder Bolt | 703772 |
| 7    | Grease Seal                         | 500201 |
| 8    | Bearing, L44643                     | 500202 |
| 9    | Race, L44610                        | 500204 |
| 10   | Complete Hub                        | 500199 |
| 11   | 3/8 USS Flat Washer                 | 001035 |

| Ref# | Description                    | Part#  |
|------|--------------------------------|--------|
| 12   | 1/2" Split Lock Washer         | 000840 |
| 13   | Lug Bolt (for threaded hub)    | 500210 |
|      | Lug Nut (for drive in stud)    | 508506 |
| 14   | Tire and Wheel                 | 500220 |
| 15   | Dust Cap                       | 500209 |
| 16   | Spindle Nut                    | 500207 |
| 17   | Cotter Pin                     | 500208 |
| 18   | Spindle Washer                 | 500206 |
| 19   | Drive-In Stud                  | 508505 |
| 20   | 3/8-16 Nylon Lock Nut          | 003000 |
| 21L  | Left Spindle and Hub Assembly  | 702912 |
| 21R  | Right Spindle and Hub Assembly | 702913 |

# Input Gearbox Assembly

Part numbers with \*\* are not available to purchase individually. You will need to buy the whole gearbox to obtain these parts

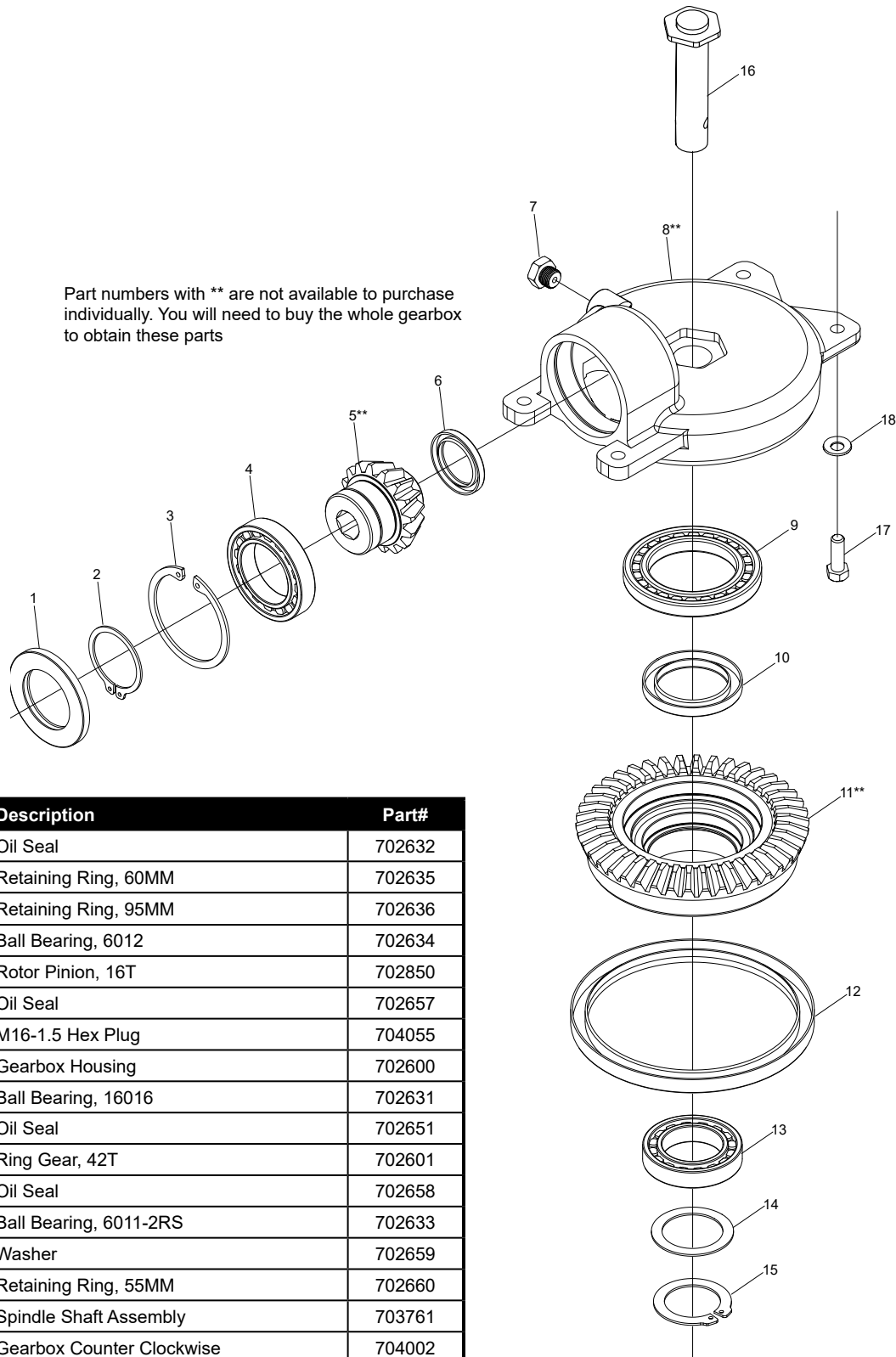


| Ref# | Description                               | Part#      |
|------|-------------------------------------------|------------|
| 1    | Oil Seal,- 45Mm X 80Mm X 13Mm             | 702655     |
| 2    | Int. Retaining Ring, 80Mm, Din 472-080    | 702643     |
| 3    | Retaining Ring Washer                     | 702661-36  |
| 4    | Center Gear Shim 0.003" Thick             | 702661-003 |
| 5    | 33109 Taper Bearing Set                   | 702841     |
| 6    | 20T High Speed Center Gear,-( Hex Drive ) | 703573     |
| 7    | X100 Series Plug                          | 703115     |
| 8    | Center Gearbox 17X20 Housing              | 703560     |
| 9    | 17T High Speed Pinion                     | 703572     |
| 10   | 30207 Tapered Roller Bearing              | 703564     |
| 11   | 6207 Open Ball Bearing                    | 702644     |
| 12a  | Input Shaft Housing 0.030" Shim           | 702645-030 |
| 12b  | Input Shaft Housing 0.036" Shim           | 702645-036 |
| 12c  | Input Shaft Housing 0.024" Shim           | 702645-024 |

| Ref# | Description                                    | Part#  |
|------|------------------------------------------------|--------|
| 13   | Input Shaft Housing For Tapered Roller Bearing | 703563 |
| 14   | 1/8 NPT Pipe Plug                              | 502298 |
| 15   | Ext. Retaining Ring, 35Mm                      | 702648 |
| 16   | Input Cap O-Ring                               | 703659 |
| 17   | Wave Spring                                    | 703825 |
| 18   | 7/16 Serrated Safety Washer, 0130155           | 702663 |
| 19   | 7/16-20 X 1 Hex Head Bolt Gr. 8                | 000349 |
| 20   | Oil Seal,- 35Mm X 72Mm X 12Mm                  | 702656 |
| 21   | O-Ring                                         | 702646 |
| 22   | Input Gear Spacer For 17X20 Gearbox            | 703570 |
| 23   | 6010 Open Ball Bearing                         | 702638 |
| 24   | Oil Seal,- 50Mm X 80Mm X 8Mm                   | 702654 |
| 25   | Pinion Bearing Sacer                           | 703885 |
| 26   | 5406-08-02                                     | 705088 |
| 27   | Alemite 47200 Pressure Relief Fitting          | 705089 |
|      | Complete High Speed Center Gearbox             | 703621 |

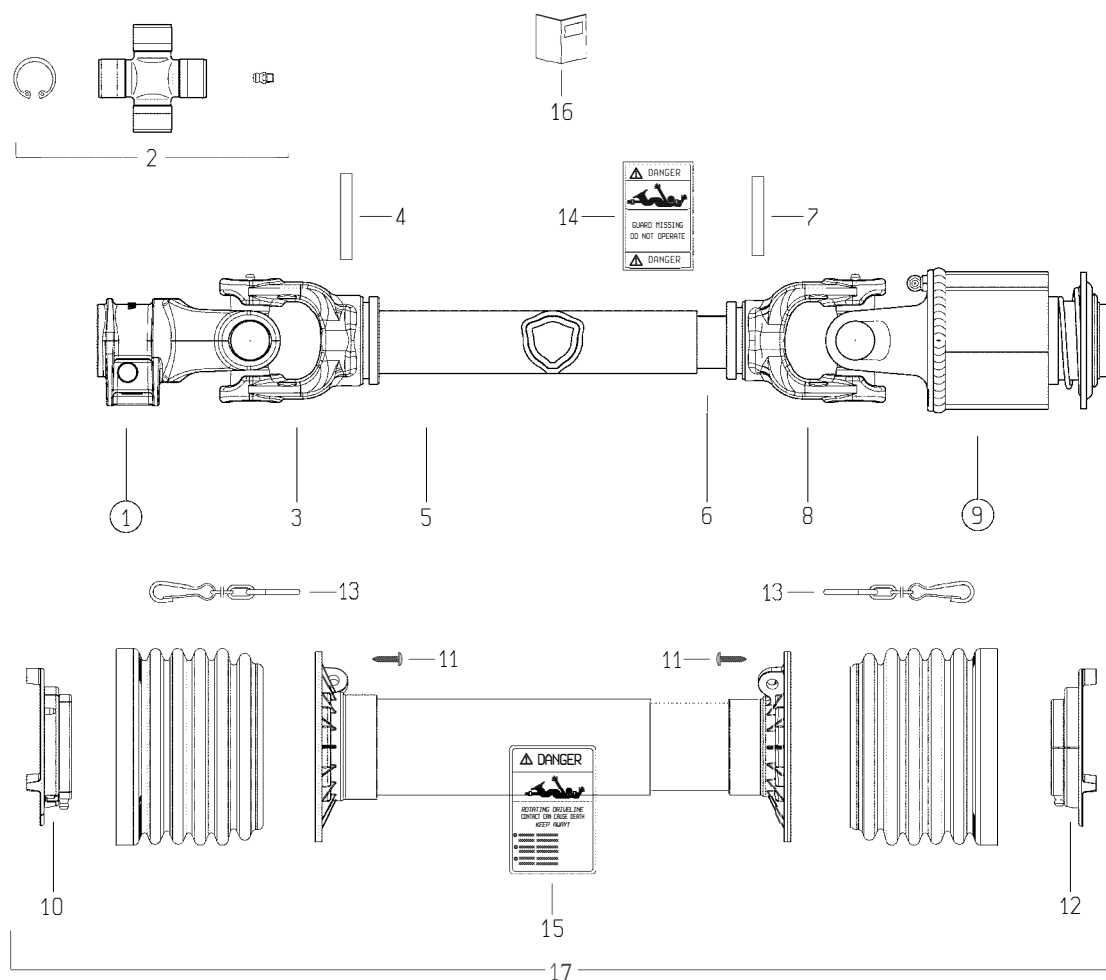
# Rotor Gearbox Assembly

Part numbers with \*\* are not available to purchase individually. You will need to buy the whole gearbox to obtain these parts



| Ref# | Description                  | Part#  |
|------|------------------------------|--------|
| 1    | Oil Seal                     | 702632 |
| 2    | Retaining Ring, 60MM         | 702635 |
| 3    | Retaining Ring, 95MM         | 702636 |
| 4    | Ball Bearing, 6012           | 702634 |
| 5    | Rotor Pinion, 16T            | 702850 |
| 6    | Oil Seal                     | 702657 |
| 7    | M16-1.5 Hex Plug             | 704055 |
| 8    | Gearbox Housing              | 702600 |
| 9    | Ball Bearing, 16016          | 702631 |
| 10   | Oil Seal                     | 702651 |
| 11   | Ring Gear, 42T               | 702601 |
| 12   | Oil Seal                     | 702658 |
| 13   | Ball Bearing, 6011-2RS       | 702633 |
| 14   | Washer                       | 702659 |
| 15   | Retaining Ring, 55MM         | 702660 |
| 16   | Spindle Shaft Assembly       | 703761 |
|      | Gearbox Counter Clockwise    | 704002 |
|      | Gearbox Clockwise            | 704019 |
| 17   | 1/2-13 x 1.50 HH Bolt Zinc   | 000435 |
| 18   | 1/2" Serrated Conical Washer | 702821 |

# PTO Shaft

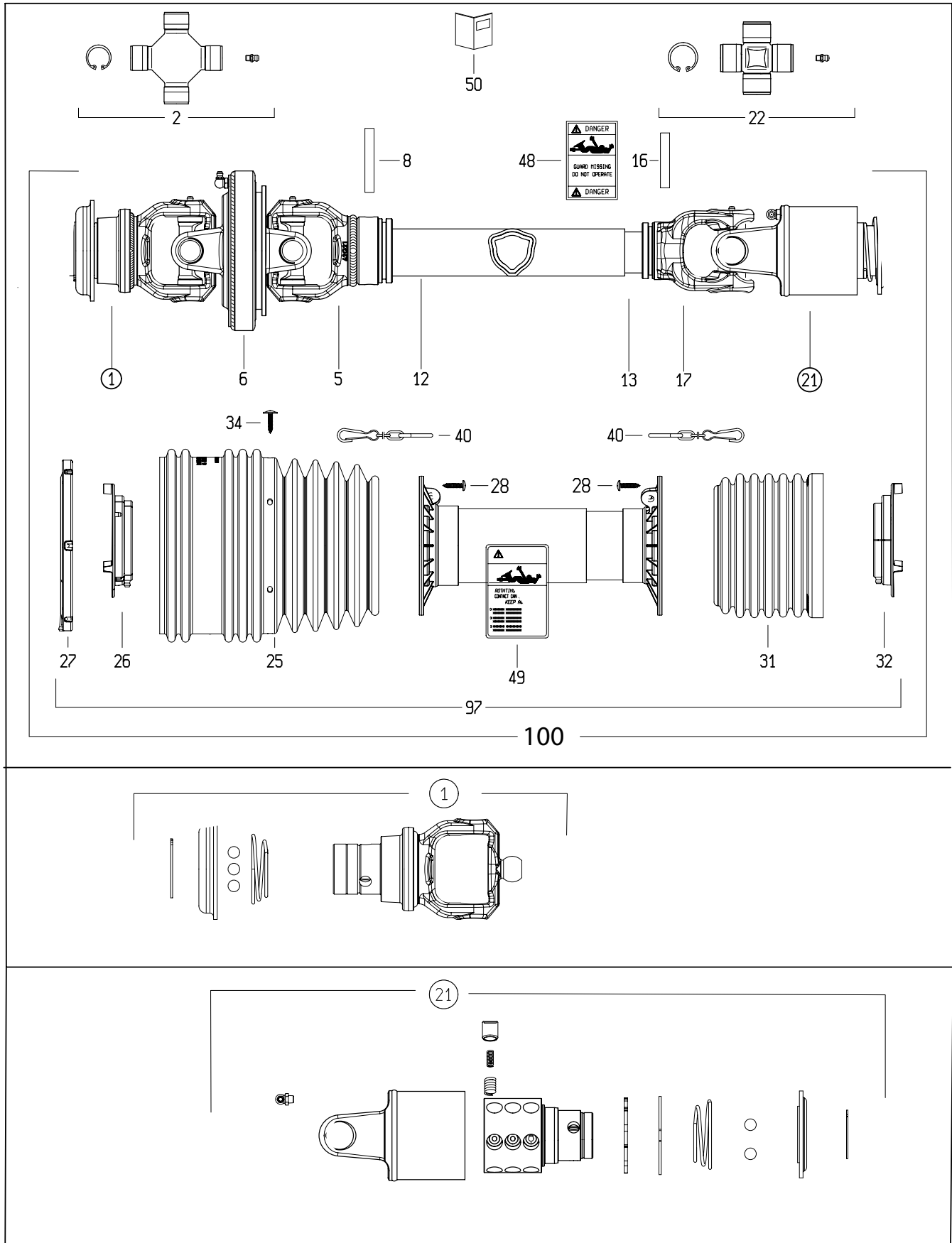


| Ref# | Description                            | Part#  |
|------|----------------------------------------|--------|
| 1    | Yoke #4/S4 1-3/8"Z6 Shrouded Pin (007) | 500427 |
| 2    | Cross Kit S4-G4 27X74.6 Cap Zerk       | 500428 |
| 3    | Tube Yoke #4-G4 Outer (43.5)           | 500429 |
| 4    | Flexible Roll Pin 8X60 Din1481         | 500430 |
| 5    | Cardan Tube Outer 12508 L=1270         | 500431 |
| 6    | Cardan Tube Inner 12507 L=1270         | 500432 |
| 7    | Flexible Roll Pin 8X55 Din1481         | 500433 |
| 8    | Tube Yoke #4-G4 Inner (36.0)           | 500434 |
| 9    | Ratchet Clutch Assembly                | 500435 |

| Description | Part#                                 |
|-------------|---------------------------------------|
| 10          | Shield Support Outer G3-G4            |
| 11          | Screw 4.8X22 Self Tap Zinc            |
| 12          | Shield Support Inner G3-G4            |
| 13          | Shield Chain W/S-Hook L=500Mm         |
| 14          | Label - Danger - Outer Drive Tube     |
| 15          | Label - Danger - Outer Shield Tube    |
| 16          | Instruction Booklet                   |
| 17          | Complete Shield Kit                   |
|             | Complete PTO Shaft                    |
|             | CV Driveline Upgrade For HT4102/HT66X |



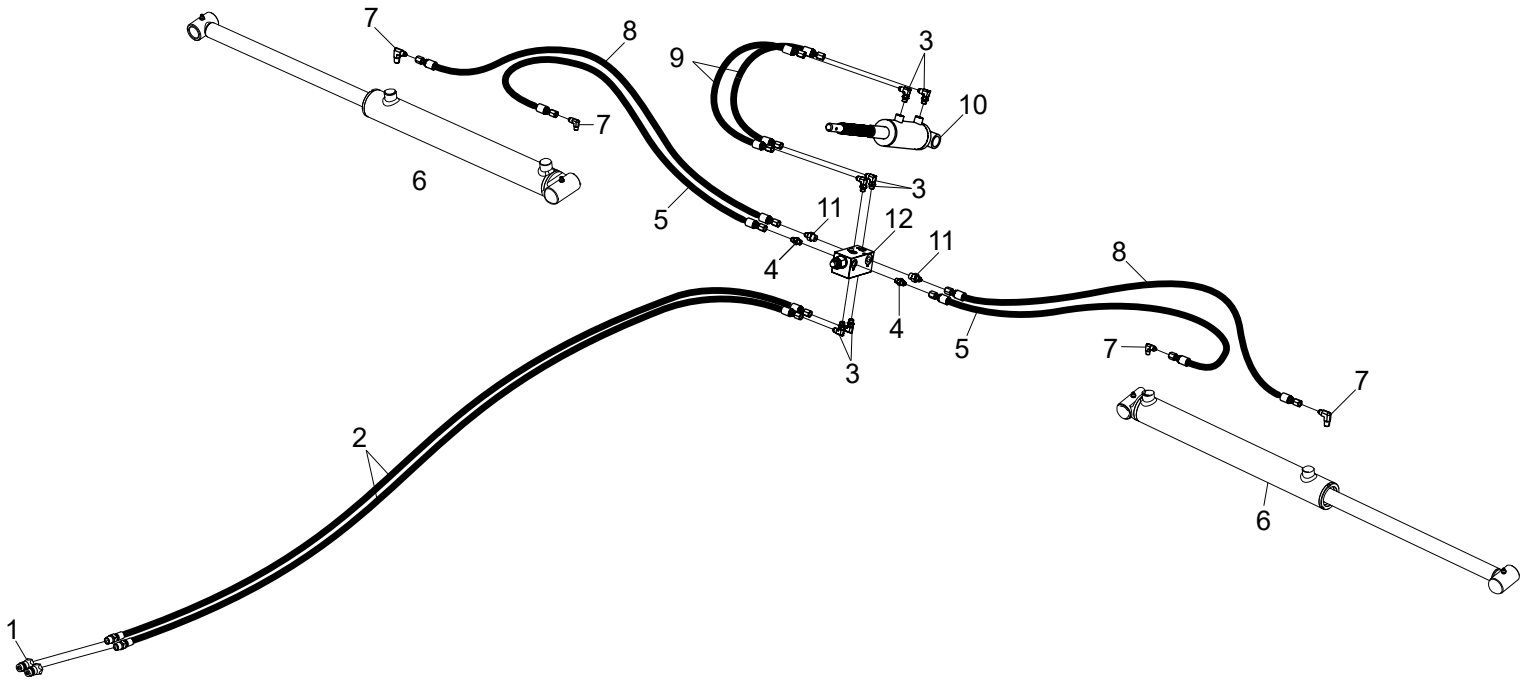
# Heavy Duty CV Joint Upgraded Shaft



# Updated PTO Shaft Parts

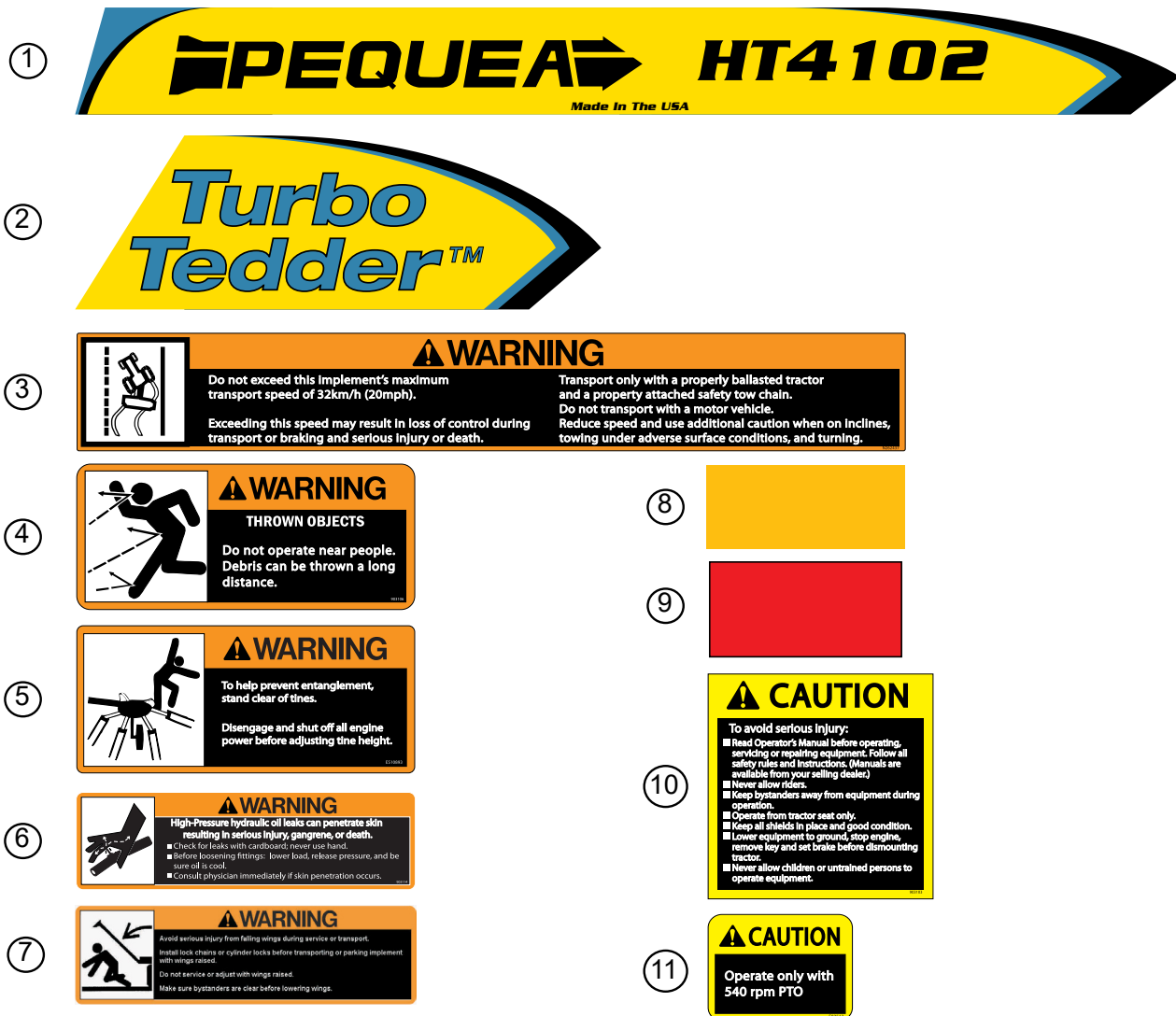
| Ref# | Description                              | Part#     |
|------|------------------------------------------|-----------|
| 1    | Yoke 80 deg CV 1-3/8 6 spline            | 703834-99 |
| 2    | Cross Kit S6-1R6-G5-G7 EI 80°CV 27X100   | 703835    |
| 5    | Outer Tube Yoke                          | 703836    |
| 6    | Central Body 1R6-S6-G5-G7 80°Cv Sft EL   | 703837-99 |
| 8    | Flexible Roll Pin 10X70 Din1481          | 703838-99 |
| 12   | Cardan Tube 12520 L=1200                 | 704257-99 |
| 13   | Cardan Tube                              | 704258-99 |
| 16   | Flexible Roll Pin 10X60 Din1481          | 703841    |
| 17   | Tube Yoke #5-G5 Inner 5N7 (45.0)         | 703842-99 |
| 21   | Torque Limiter                           | 703843-99 |
| 22   | Cross Kit S5-S6-G5 30.2X79.4 Cap Zerk    | 703844-99 |
| 28   | Screw 4.8 x 22 Self Tap Zinc             | 500417-99 |
| 34   | Screw 4.8 X 22 Self Tap Zinc Flange Head | 503112    |
| 40   | Shield Chain W/S-Hook L=500Mm            | 500420    |
| 48   | Label - Danger - Outer Drive Tube        | 500421    |
| 49   | Label - Danger - Outer Shield Tube       | 500422-99 |
| 50   | Instruction Book- Global/SFT Universal   | 704256-99 |
| 97   | SHIELD KIT G5 80°CV COMPLETE w/CHAINS    | 704255-99 |
| 100  | Complete PTO Shaft                       | 703596    |

# Hydraulics



| Ref# | Description                           | Part#  |
|------|---------------------------------------|--------|
| 1    | Hydraulic Coupler                     | 290105 |
| 2    | Hose, 118"                            | 701039 |
| 3    | 90 Degree Fitting, #4 MJ x #4 MB      | 700948 |
| 4    | Straight Fitting                      | 290195 |
| 5    | Hose, 41"                             | 701038 |
| 6    | Cylinder                              | 703969 |
| 7    | Elbow Fitting                         | 700907 |
| 8    | Hose, 52.5"                           | 702844 |
| 9    | Hose, 15-1/2"                         | 703379 |
| 10   | Front Tilt Cylinder, No Manifold      | 703604 |
| 11   | #4MB x 6MJ Orifice 0.062"             | 703620 |
| 12   | 4102 Manifold (Includes Relief Valve) | 703619 |
| 13   | Bi-Directional Relief Valve 400 psi   | 704214 |

# Decals



| Ref# | Description                   | Part#  | Qty |
|------|-------------------------------|--------|-----|
| 1    | TT4102 Decal                  | 703707 | 2   |
| 2    | TurboTedder Decal             | 702196 | 2   |
| 3    | Warning, Speed                | 903124 | 1   |
| 4    | Warning, Thrown Objects       | 903106 | 2   |
| 5    | Warning, Prevent Entanglement | 903123 | 2   |
| 6    | Warning, Hydraulic Pressure   | 903114 | 1   |
| 7    | Warning, Crushing Hazard      | 903134 | 1   |
| 8    | Amber Retroreflective Decal   | 903121 | 1   |
| 9    | Red Retroreflective Decal     | 903112 | 2   |
| 10   | Caution, General Information  | 903103 | 1   |
| 11   | Caution, 540 PTO              | 903107 | 1   |
|      | Complete Decal Kit, TT4102    | 704134 | 1   |