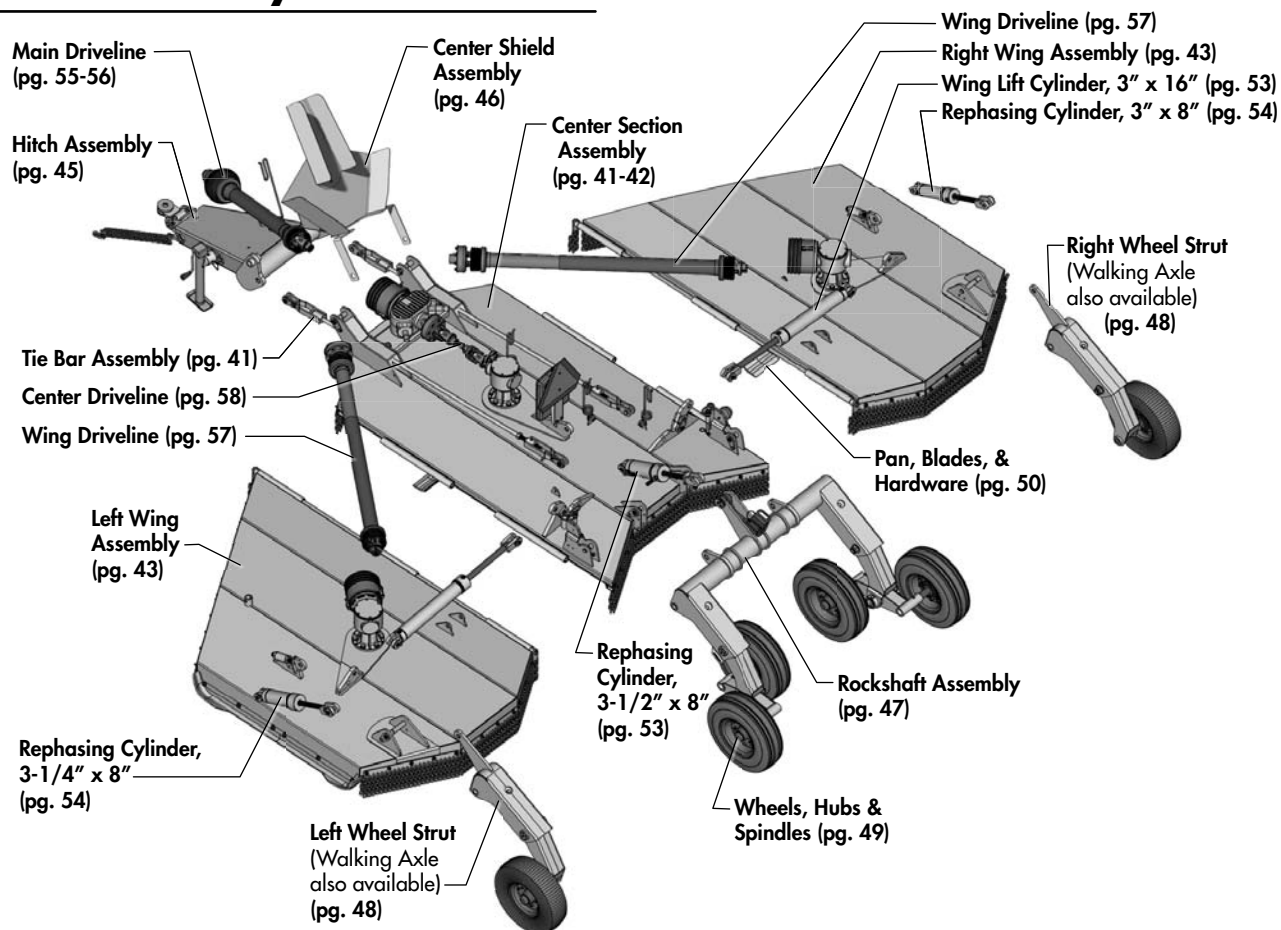
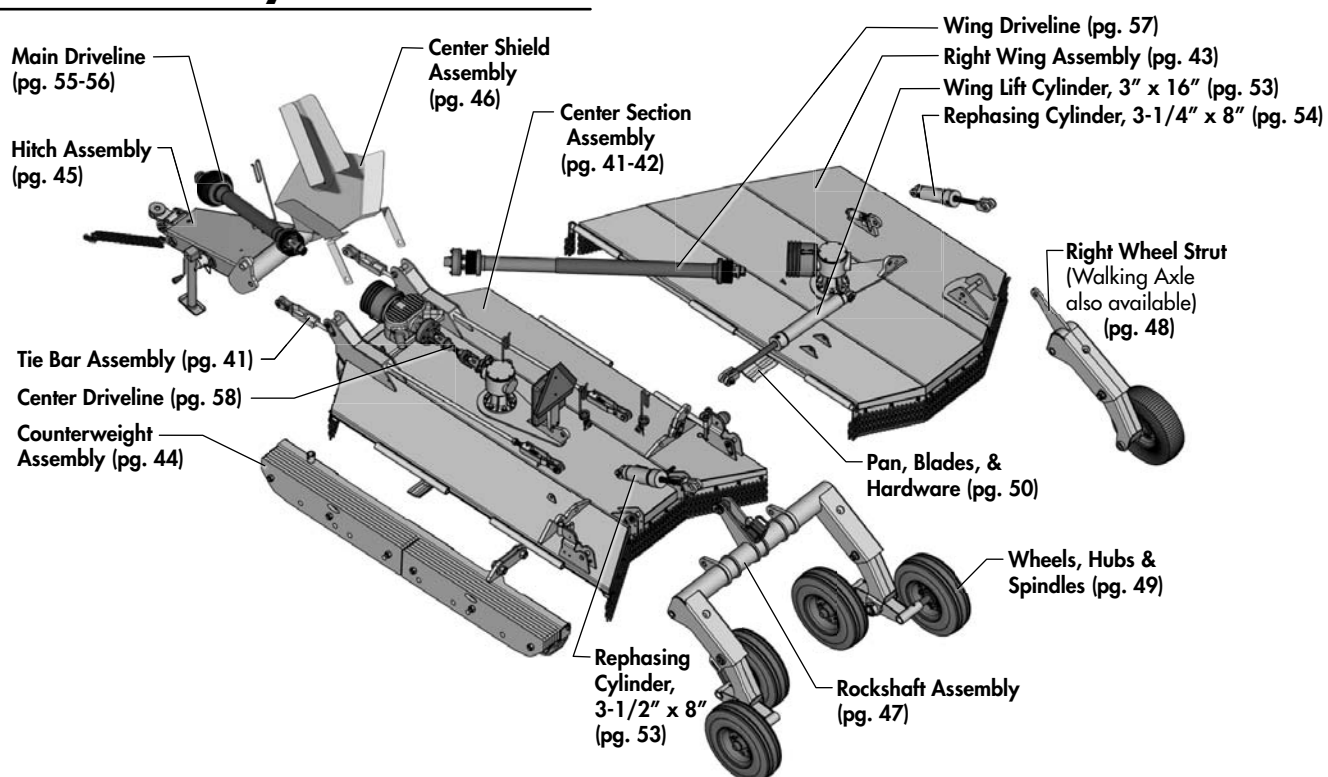


Parts

General Assembly - 1520 Model



General Assembly - 1020 Model



Center Frame Assembly

500800 - Complete Tie Bar, (no pins) (2)

500805 - Tie Bar Clevis, Front (2)

118973 - Bolt, 1/2" x 2-3/4" UNC (4)

500819 - Pin, 1-1/4" x 2-1/16" (4)

118729 - Lock Nut, 1/2" UNC GRC
Unitorque (4)

118110 - Bolt, 5/16" x 1" UNC (4)

118530 - Lock Washer, 5/16" (4)

118731 - Flat Washer, 5/16" SAE (4)

160004 - Cone Shield, 9" Diameter (1)

Use non-removable loctite
when replacing splitter box
bolt hardware.

118843 - Roll Pin,
1/4" x 1-1/2" (2)

118456 - Lock Nut, 1" UNC (2)

131020 - Flat Washer, 1" SAE (2)

500801 - Tie Bar Rod, 1" x 80" (2)

118447 - Locknut, 5/8" (4)

118537 - Flat Washer, 5/8" (4)

117453 - Setscrew, 5/8" x 2-1/2" (4)

170011 - Splitter Gearbox 1000 RPM

OR

170021 - Splitter Gearbox 540 RPM

See
Detail

Center Driveline
160003 - (1000 RPM)
OR
160005 - (540 RPM)

See Detail

118009 - Bolt, 1/2" x 1-1/4" UNC (2)

500813 - Pin, 1-1/4" x 4-7/8" (2)

118729 - Lock Nut, 1/2" UNC GRC Unitorque (2)

118901 - Lynch Pin, 3/16" x 1-1/2" (2)

133088 - Cap,
plastic (1)

See
Detail

118336 - Grease Fitting, 1/4" (2)

118843 - Roll Pin, 1/4"
x 1-1/2" (2)

500804 - Tie Bar Clevis,
Rear - Threaded (2)

118495 - Jam Nut, 1" Heavy (2)

See
Detail

500100 - Center
Frame

See Detail

500910 - Cable, 1/4"
x 18" (1)

500600 - 3 Bolt Chain
Safety Bar (1)

118378 - Bolt, 5/8" x 1-3/4" (6)

118447 - Lock Nut, 5/8" GRC-Unitorque (6)

500853 - Center Skid Shoe (2)

118964 - Carriage Bolt, 3/8" x 3" (23)

118511 - Flat Washer, 3/8" (23)

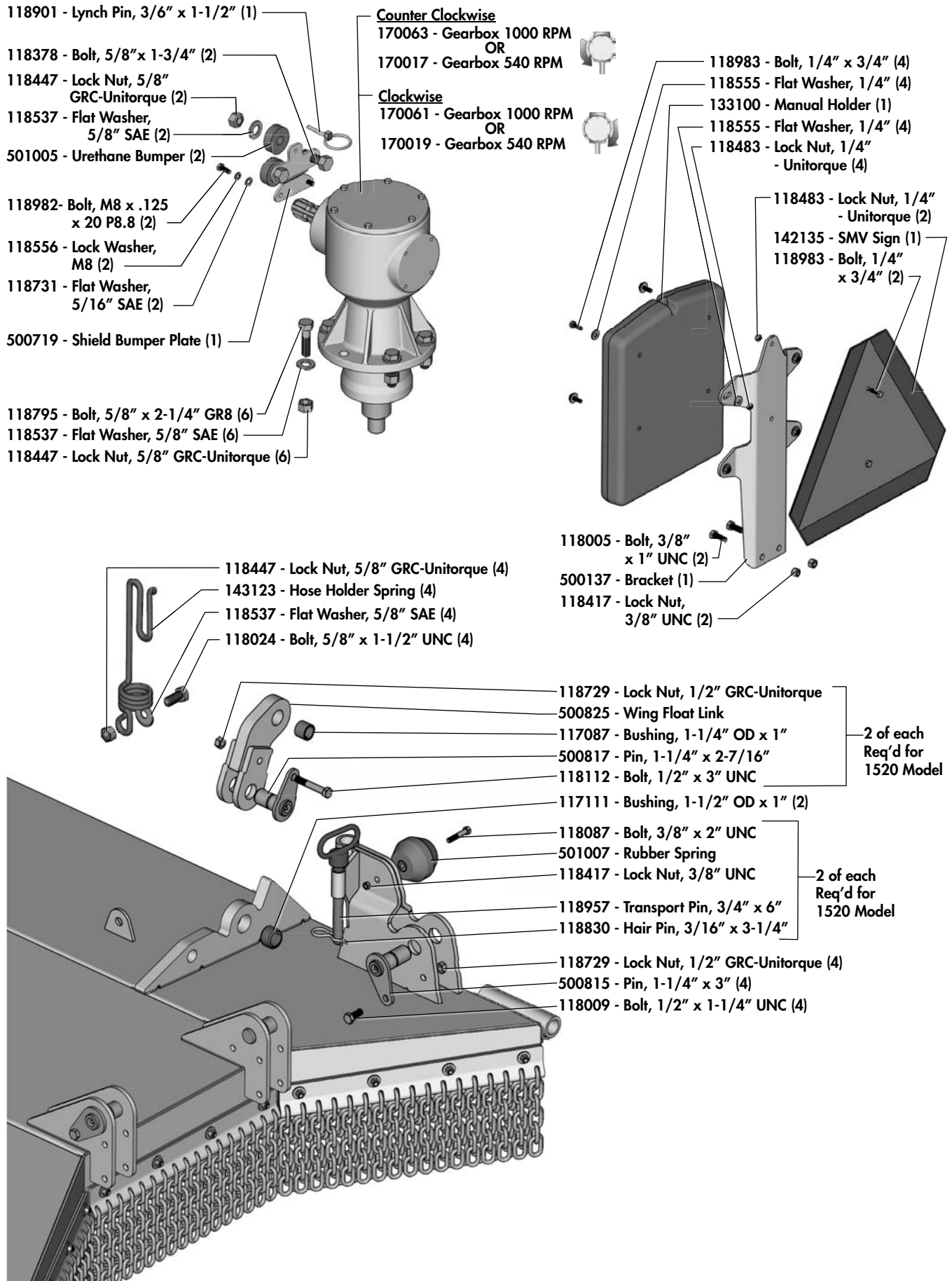
118417 - Lock Nut 3/8" UNC GR5 (23)

500604 - 4 Bolt Chain
Safety Bar (5)

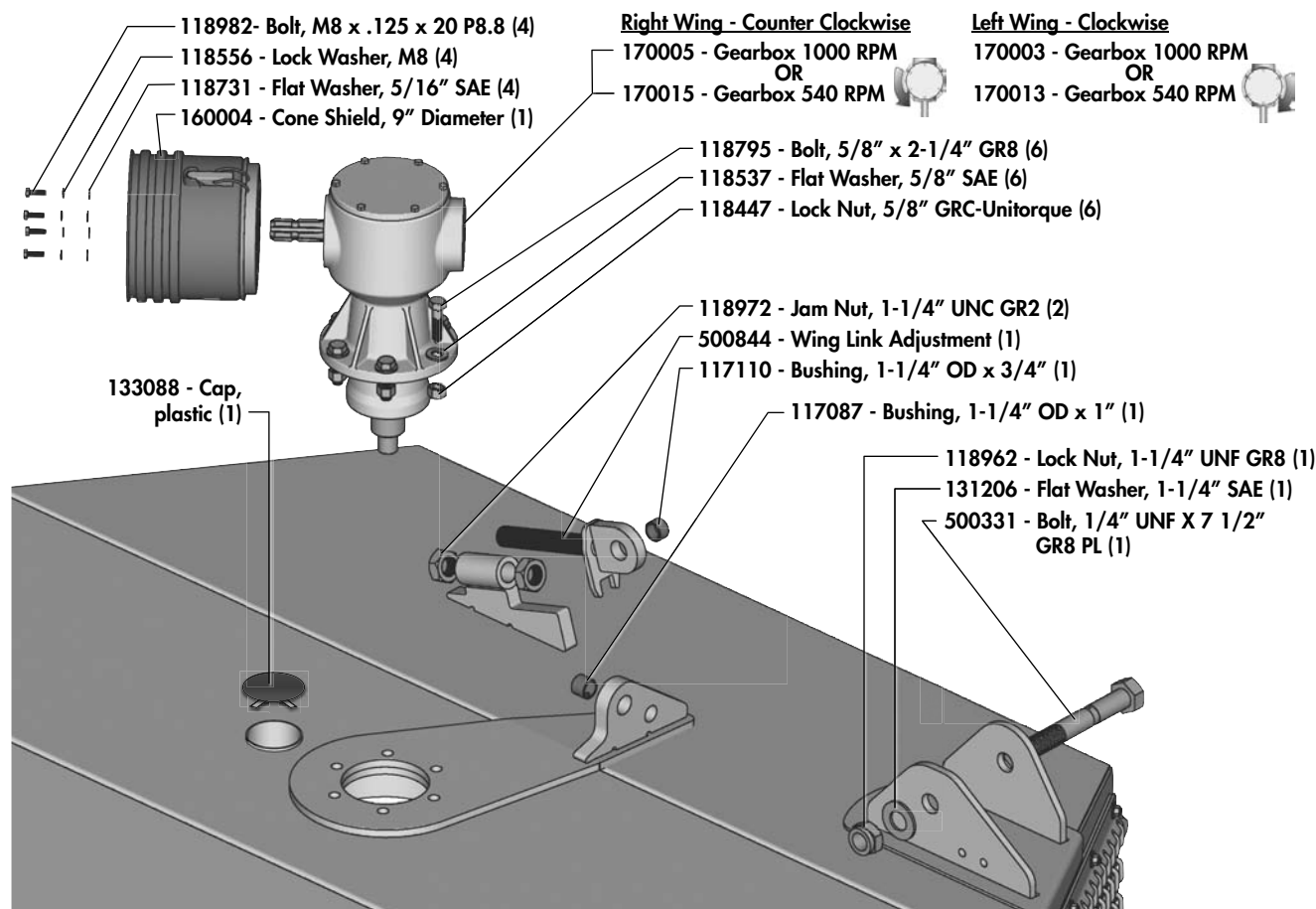
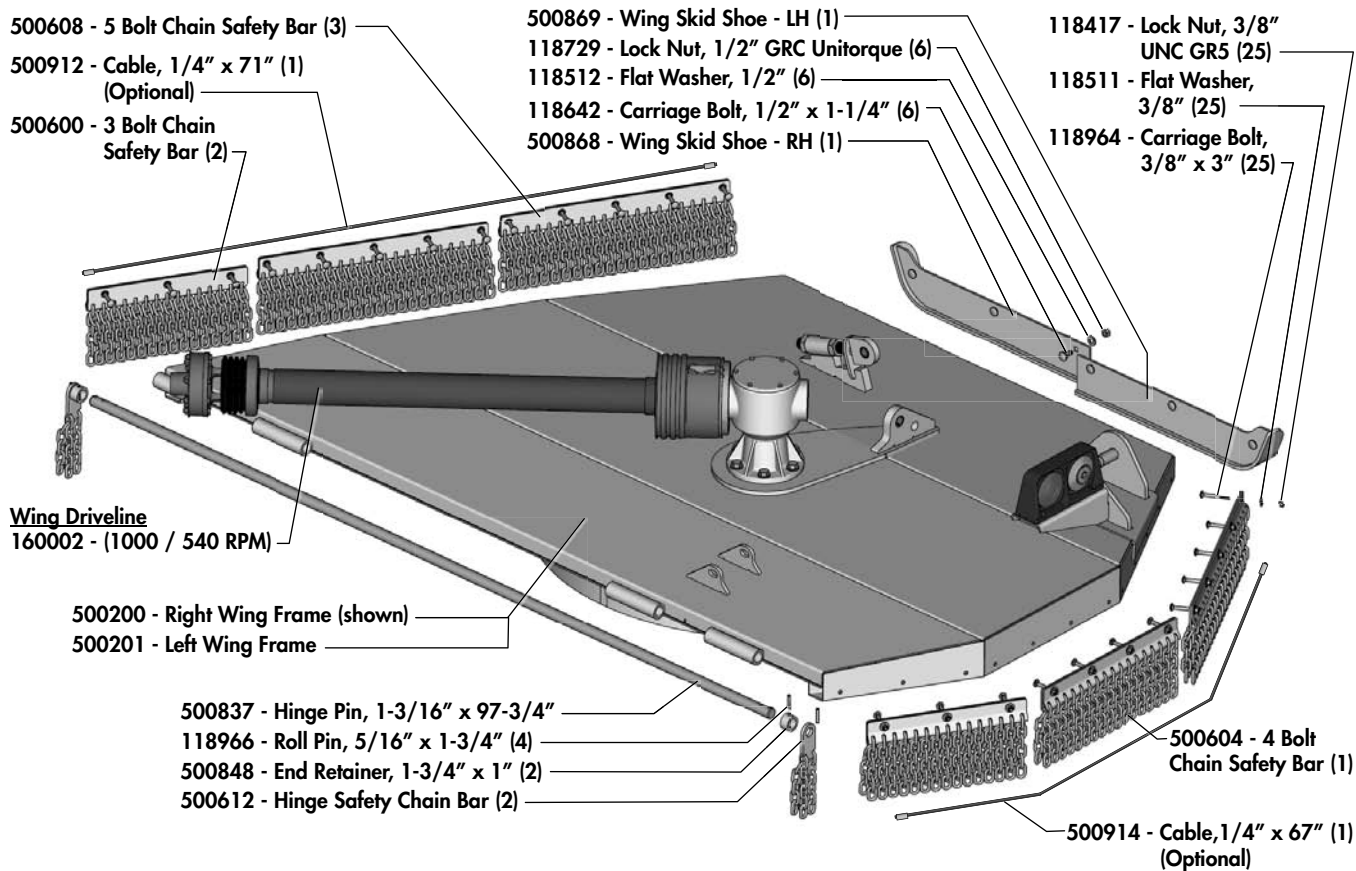
500913 - Cable, 1/4" x 65" (1)
(Optional)

500911 - Cable, 1/4" x 21" (2)
(Optional)

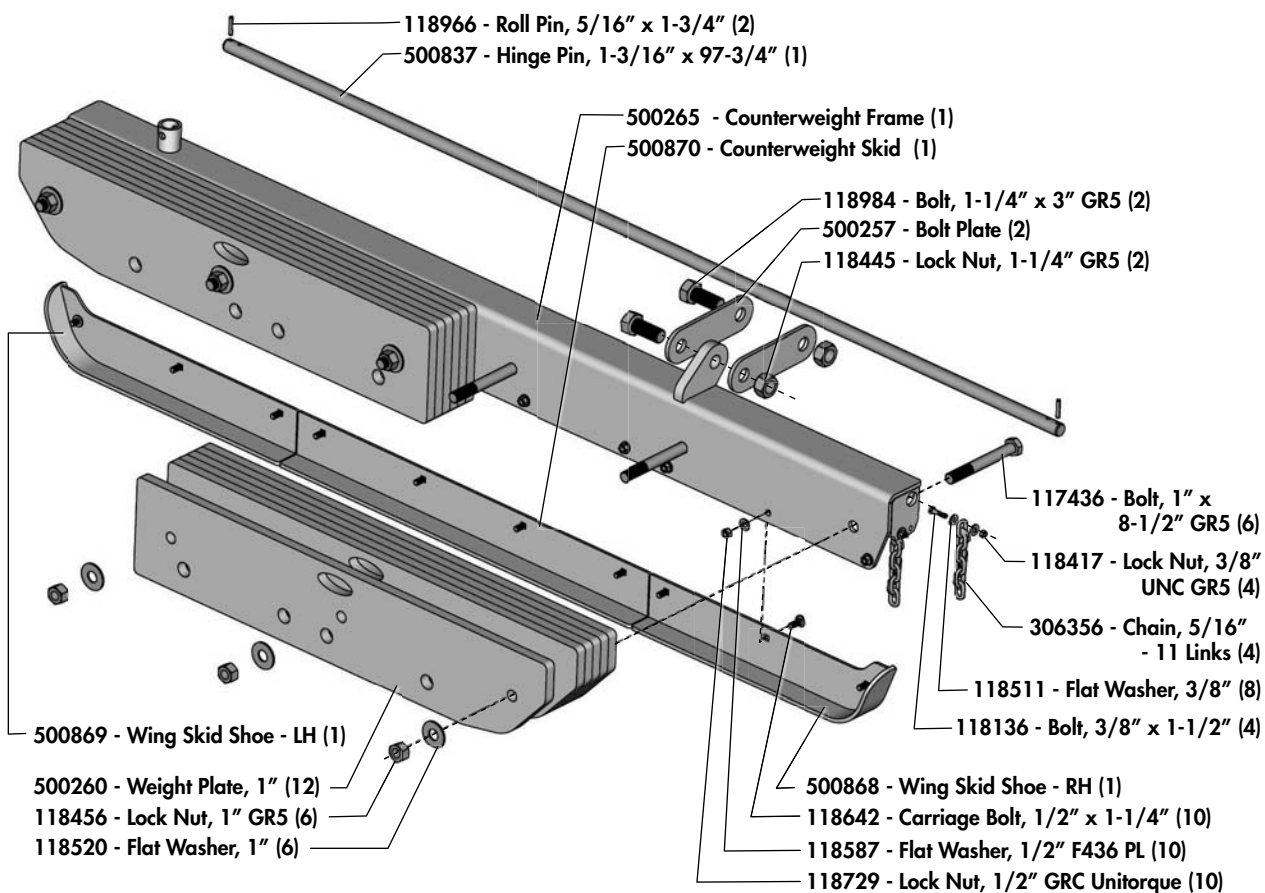
Center Frame Assembly



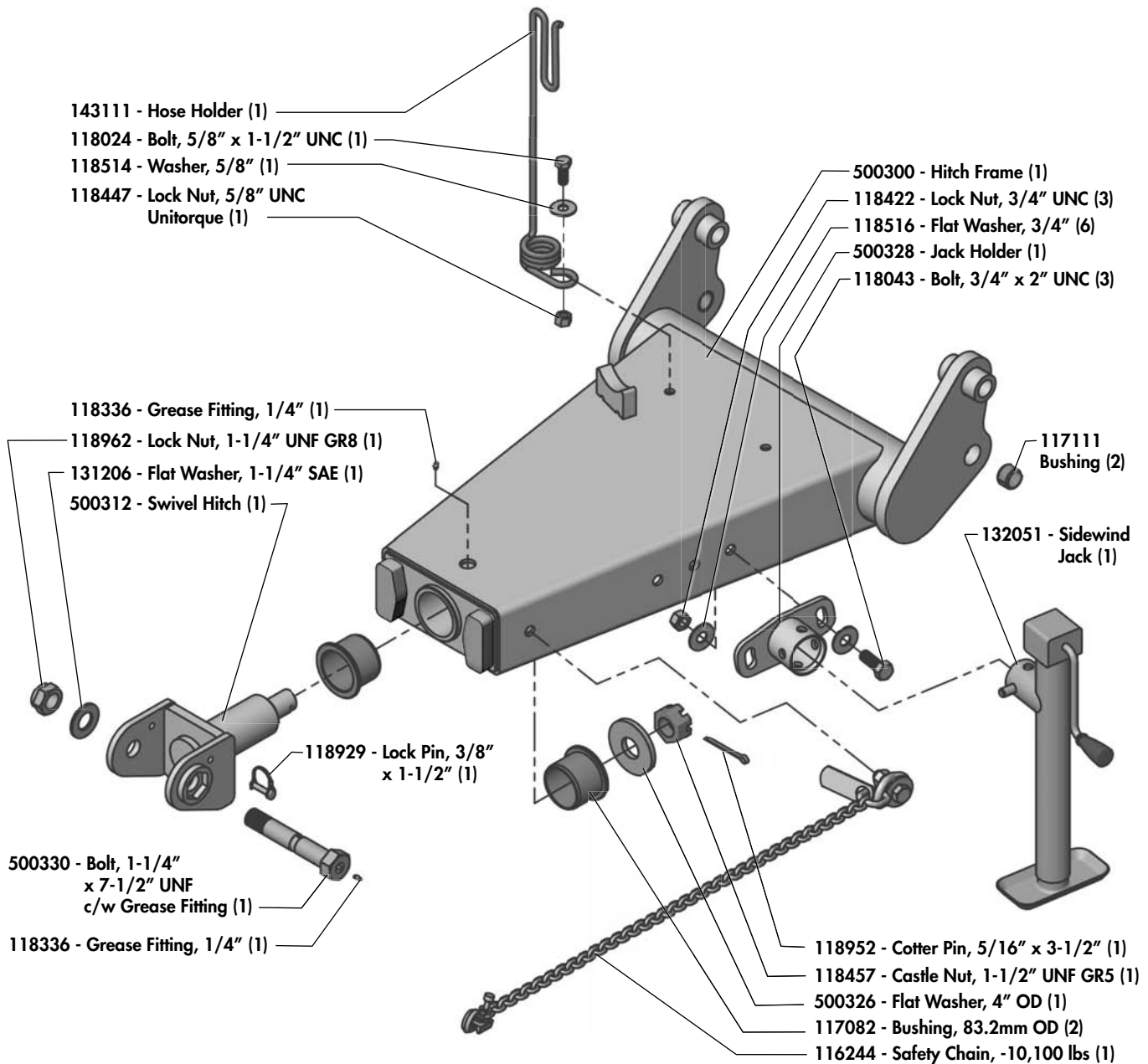
Right / Left Wing Assembly (Right Wing Assembly Shown)



Counterweight Assembly (1020 Model Only)



Hitch Assembly



Precision Hitch Assembly

500340 - Precision Hitch Assembly

- includes -

118965 - Bolt, 1-1/4" x 5-1/2" UNF GR8 (1)

500325 - Washer, 4" OD (1)

118951 - Retaining Ring, 2" Ext. (1)

500318 - Hitch Tongue (1)

- includes -

118950 - Bushing, 2-1/2" OD (1)

118336 - Grease Fitting, 1/4" (1)

500324 - Bushing, 4" OD (1)

500327 - Washer, 3" OD (1)

118962 - Lock Nut, 1-1/4" UNF GR8 (1)

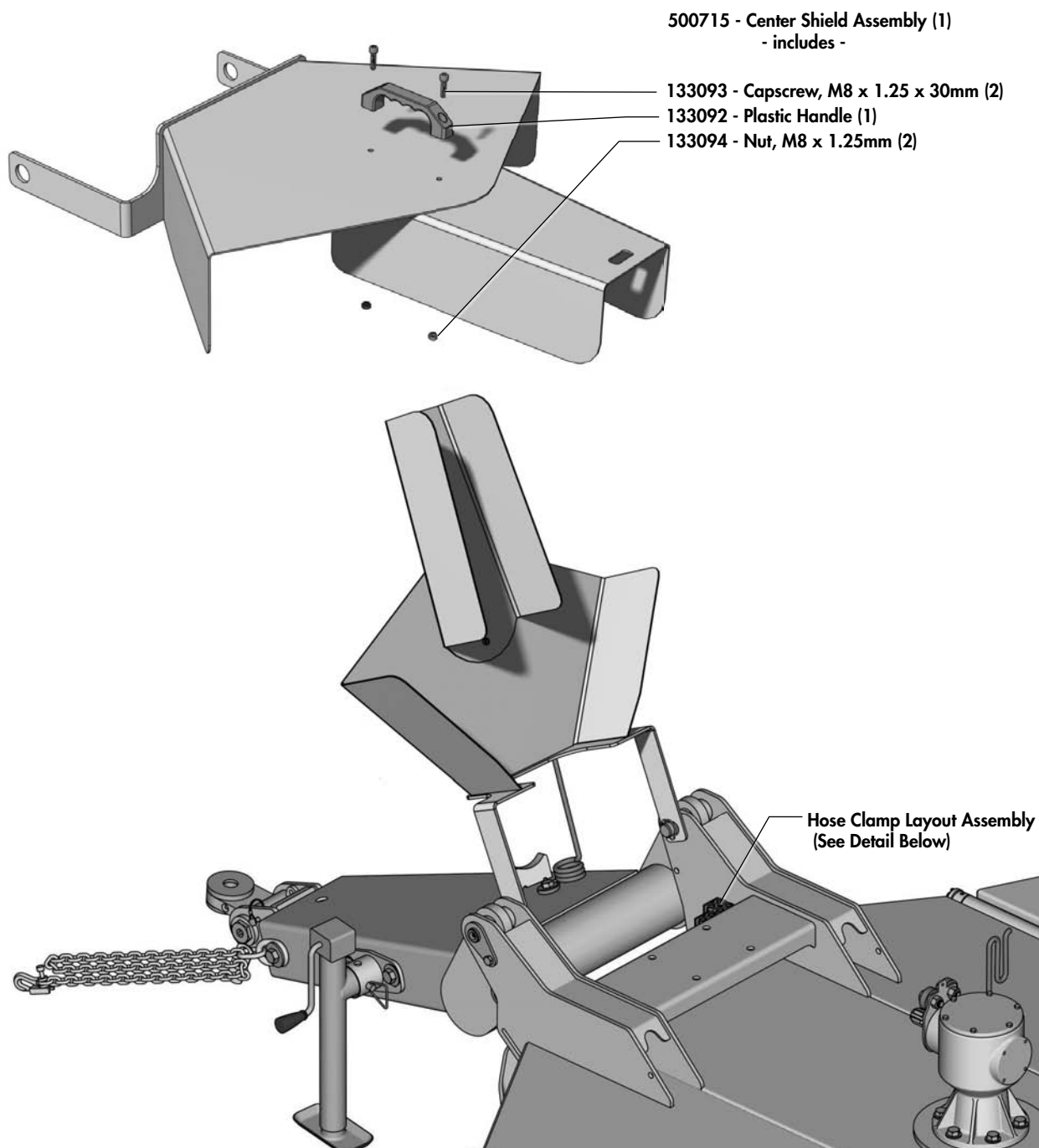
Clevis Hitch Assembly

500335 - Hitch Clevis

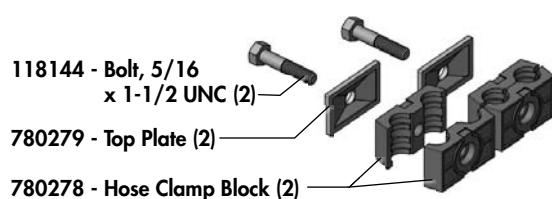
- OR -



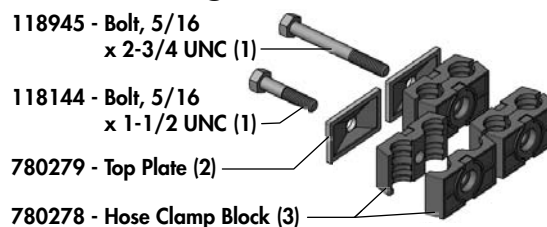
Center Shield and Hydraulic Hose Clamps



Single Acting Hose Clamp Layout



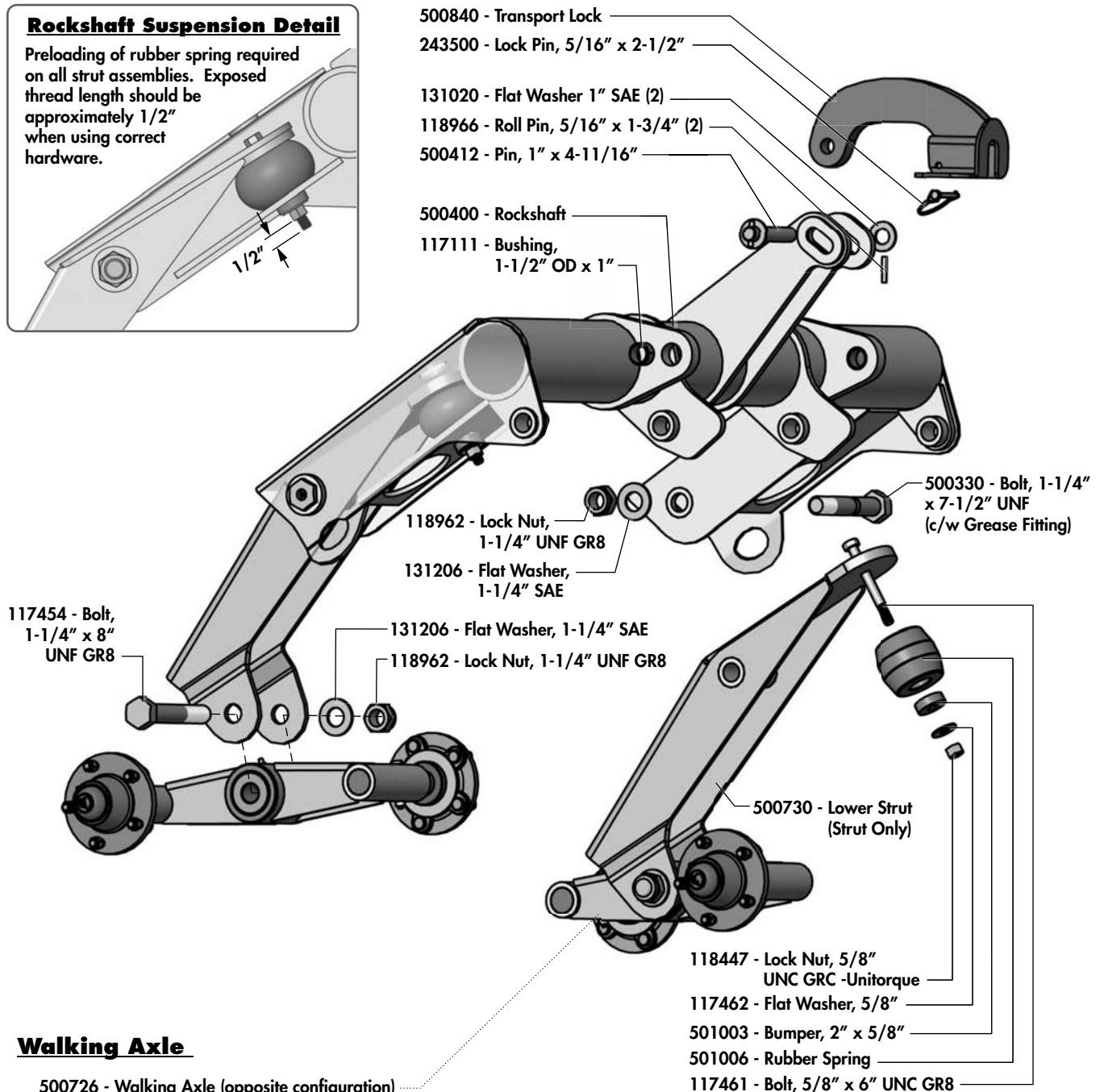
Double Acting Hose Clamp Layout



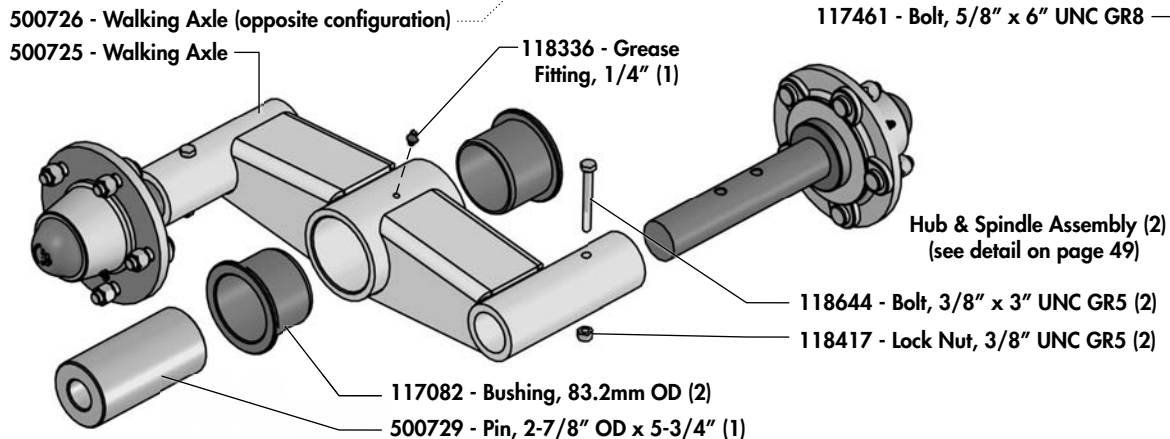
Rockshaft Assembly

Rockshaft Suspension Detail

Preloading of rubber spring required on all strut assemblies. Exposed thread length should be approximately 1/2" when using correct hardware.



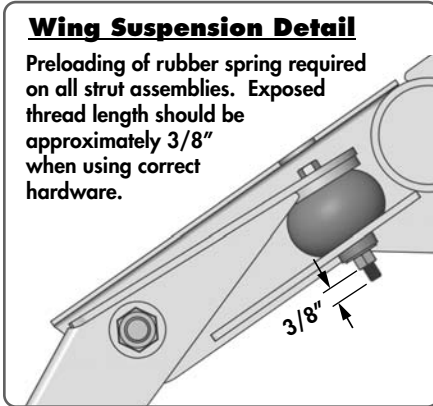
Walking Axle



Wheel Strut Assemblies

Wing Suspension Detail

Preloading of rubber spring required on all strut assemblies. Exposed thread length should be approximately 3/8" when using correct hardware.



Upper Strut Common

500450 - Upper Strut, - Right Side (Not Shown)

500455 - Upper Strut, - Left Side (Shown)

500330 - Bolt, 1-1/4" x 7-1/2" UNF (c/w Grease Fitting)

131206 - Flat Washer, 1-1/4" SAE

118962 - Lock Nut, 1-1/4" UNF GR8

Suspension Components

117461 - Bolt, 5/8" x 6" UNC GR8

501006 - Rubber Spring

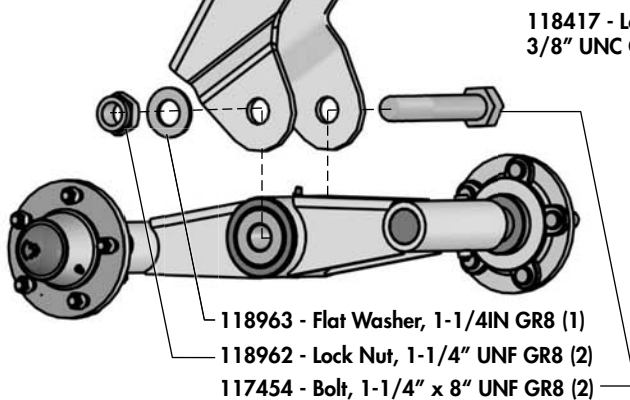
501003 - Bumper, 2" x 5/8"

117462 - Flat Washer, 5/8"

118447 - Lock Nut, 5/8" UNC GRC -Unitorque

Lower Strut Double Wheel

500730 - Lower Strut, Double Wheel - Common



118963 - Flat Washer, 1-1/4IN GR8 (1)

118962 - Lock Nut, 1-1/4" UNF GR8 (2)

117454 - Bolt, 1-1/4" x 8" UNF GR8 (2)

Lower Strut Single Wheel

500735 - Lower Strut, Single Wheel

118417 - Lock Nut, 3/8" UNC GR5

118644 - Bolt, 3/8" x 3" UNC GR5

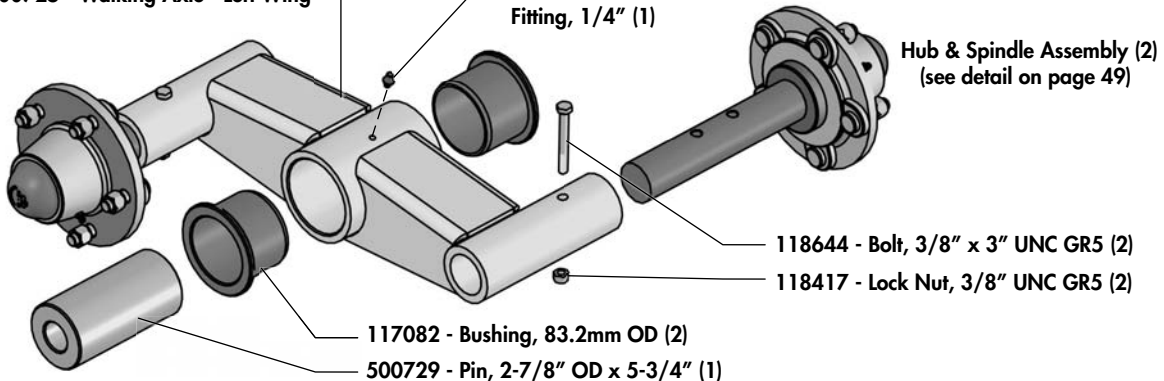
Hub & Spindle Assembly (see Detail on page 49)

Walking Axle

500726 - Walking Axle - Right Wing (not shown)

500725 - Walking Axle - Left Wing

118336 - Grease Fitting, 1/4" (1)



Hub & Spindle Assembly (2) (see detail on page 49)

118644 - Bolt, 3/8" x 3" UNC GR5 (2)

118417 - Lock Nut, 3/8" UNC GR5 (2)

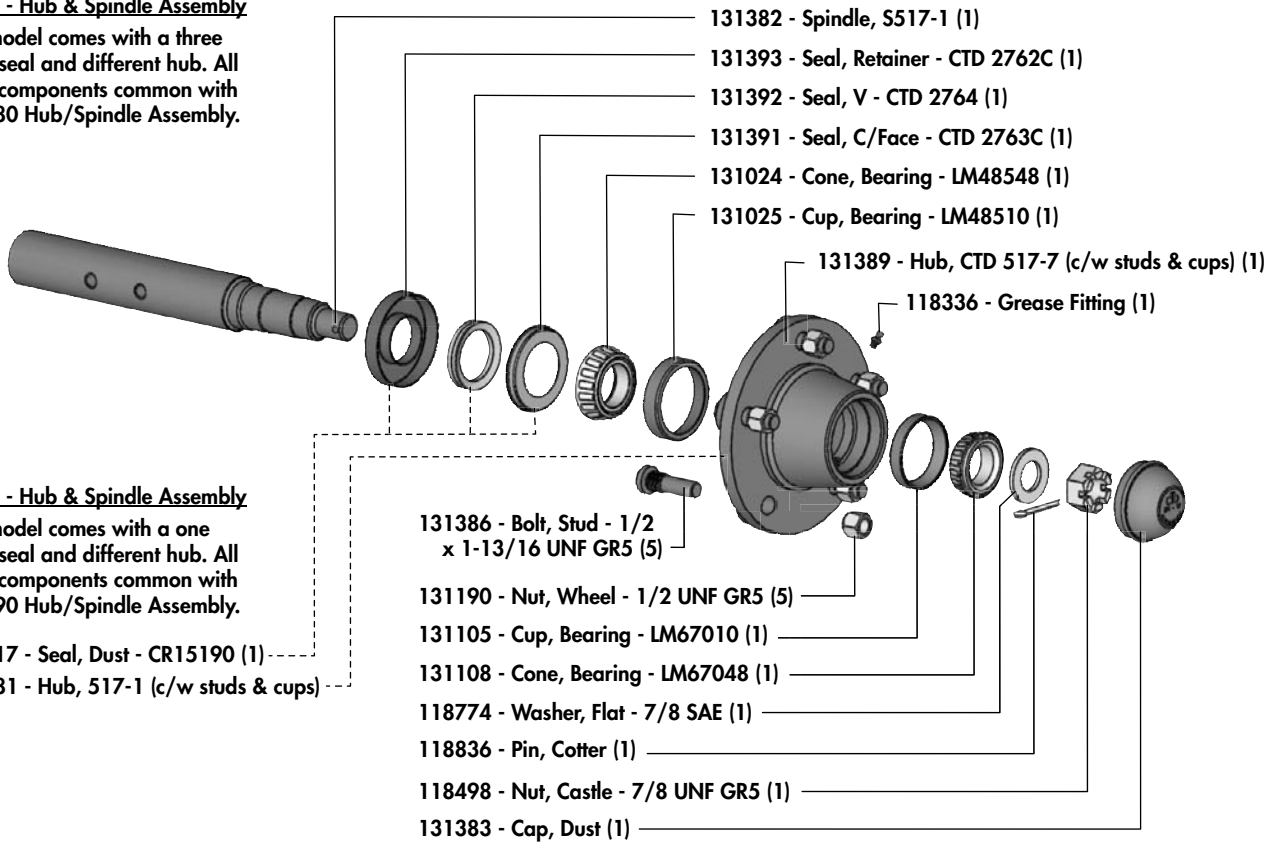
117082 - Bushing, 83.2mm OD (2)

500729 - Pin, 2-7/8" OD x 5-3/4" (1)

Hub & Spindle

131390 - Hub & Spindle Assembly

This model comes with a three piece seal and different hub. All other components common with 131380 Hub/Spindle Assembly.



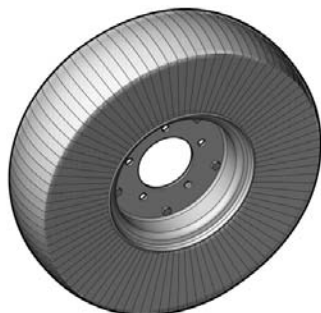
131380 - Hub & Spindle Assembly

This model comes with a one piece seal and different hub. All other components common with 131390 Hub/Spindle Assembly.

131117 - Seal, Dust - CR15190 (1)
131381 - Hub, 517-1 (c/w studs & cups)

Wheels

131315 - Laminated Tire



131384 - Recapped Foam Filled Aircraft Tire

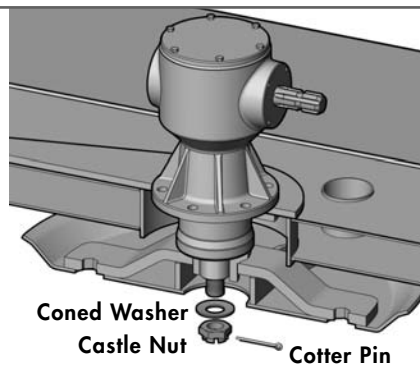
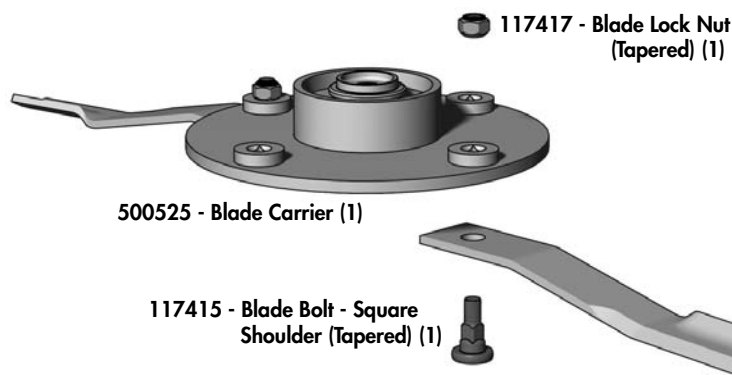
131385 - Recapped Air Filled Aircraft Tire (Pneumatic)



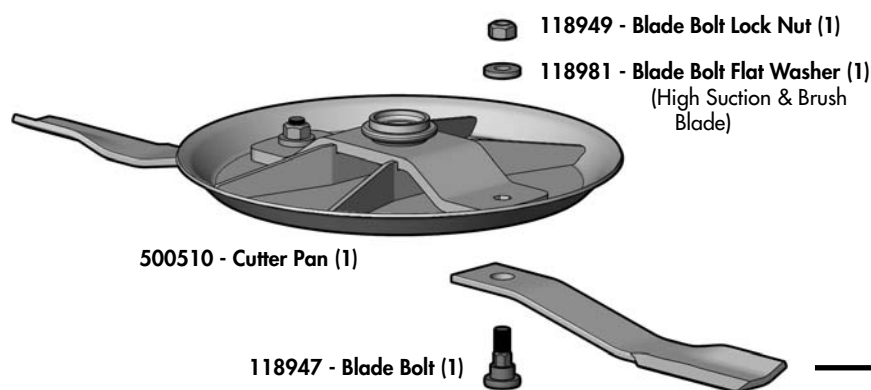
Blades, Pan, & Hardware

Note: See Gearbox Details pg. 60-64 for correct Cutter Pan Mounting Hardware including nuts, coned washers, & cotter pins.

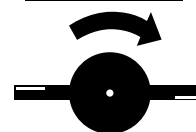
Standard Blade Carrier Assembly



Optional Skid Pan Assembly

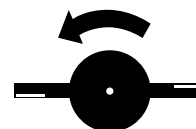


Clockwise Blades



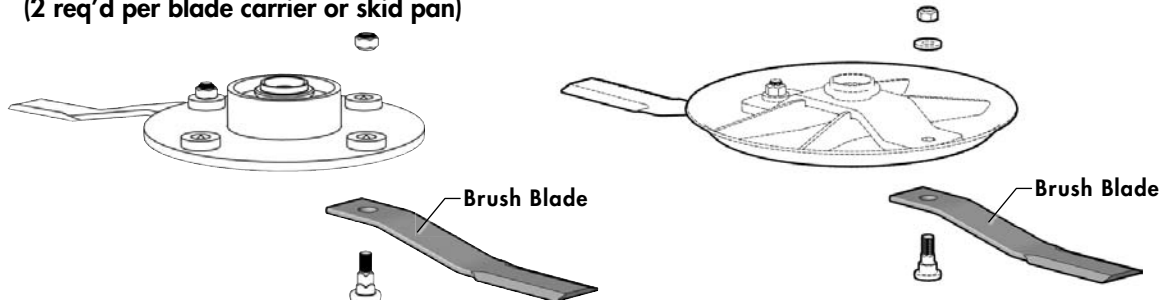
- 501015 - 4" High Suction Blade (1)
- 501029 - 4" High Suction- Twist (1)
- 501025 - 5" High Suction Blade (1)
- 501027 - 5" High Suction- Twist (1)

Counter Clockwise Blades

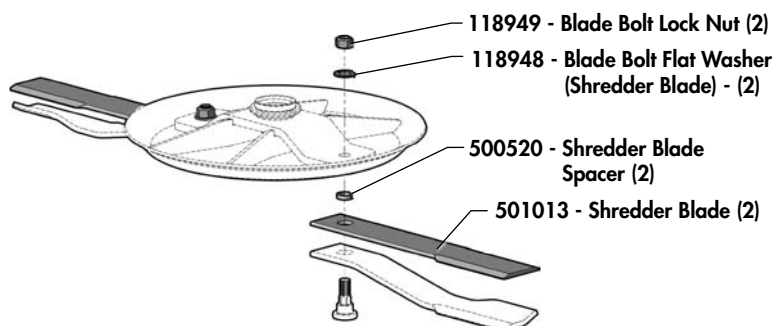


- 501016 - 4" High Suction Blade (1)
- 501030 - 4" High Suction- Twist (1)
- 501026 - 5" High Suction Blade (1)
- 501028 - 5" High Suction- Twist (1)

501012 Brush Blade - bidirectional (2 req'd per blade carrier or skid pan)



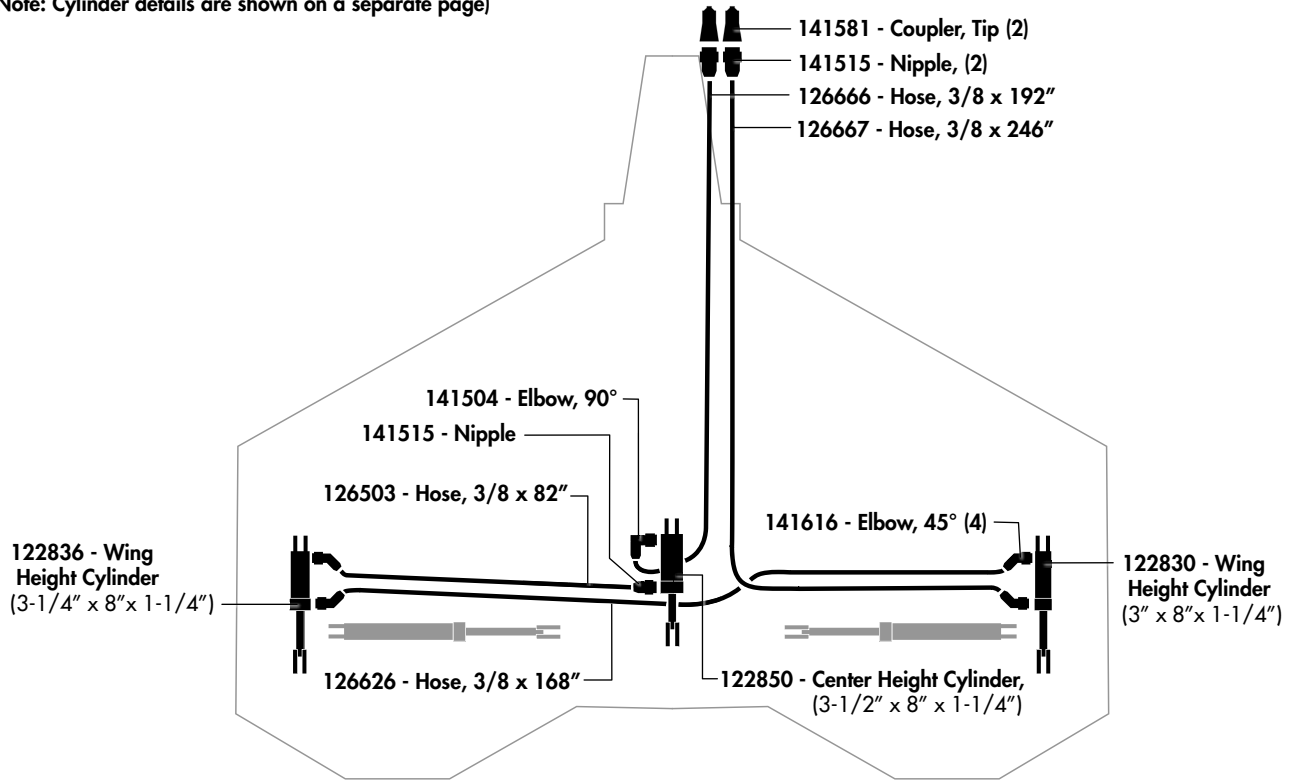
501532 Shredder Blade Kit (skid pan only)



Hydraulic Schematics

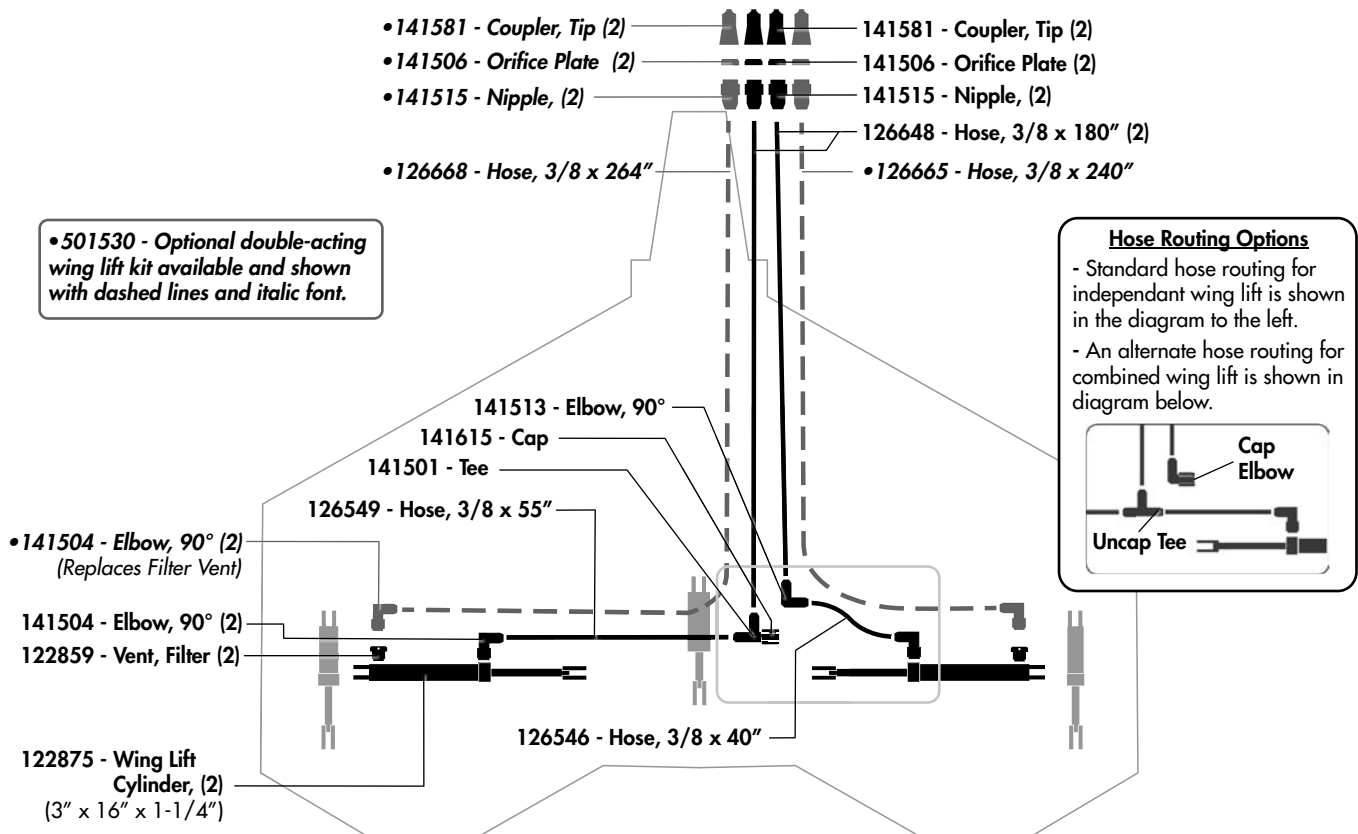
Height Control Cylinders - 1520 Model

(Note: Cylinder details are shown on a separate page)



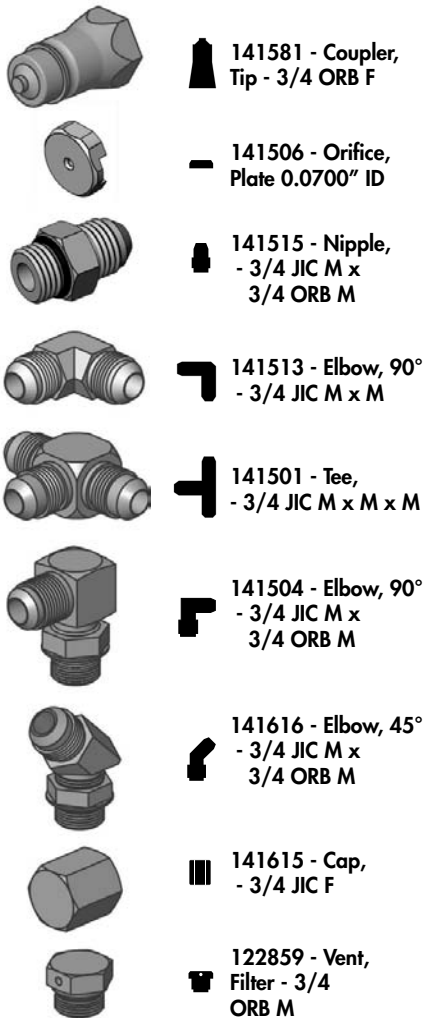
Wing Lift Cylinders - 1520 Model

(Note: Cylinder details are shown on a separate page)



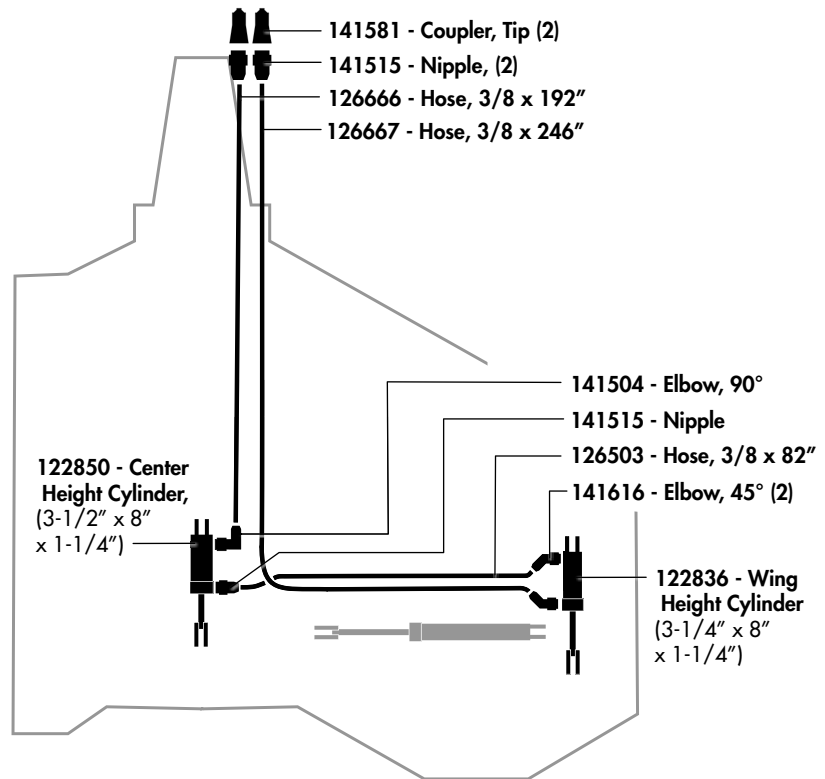
Hydraulic Schematics

Hydraulic Fitting Guide



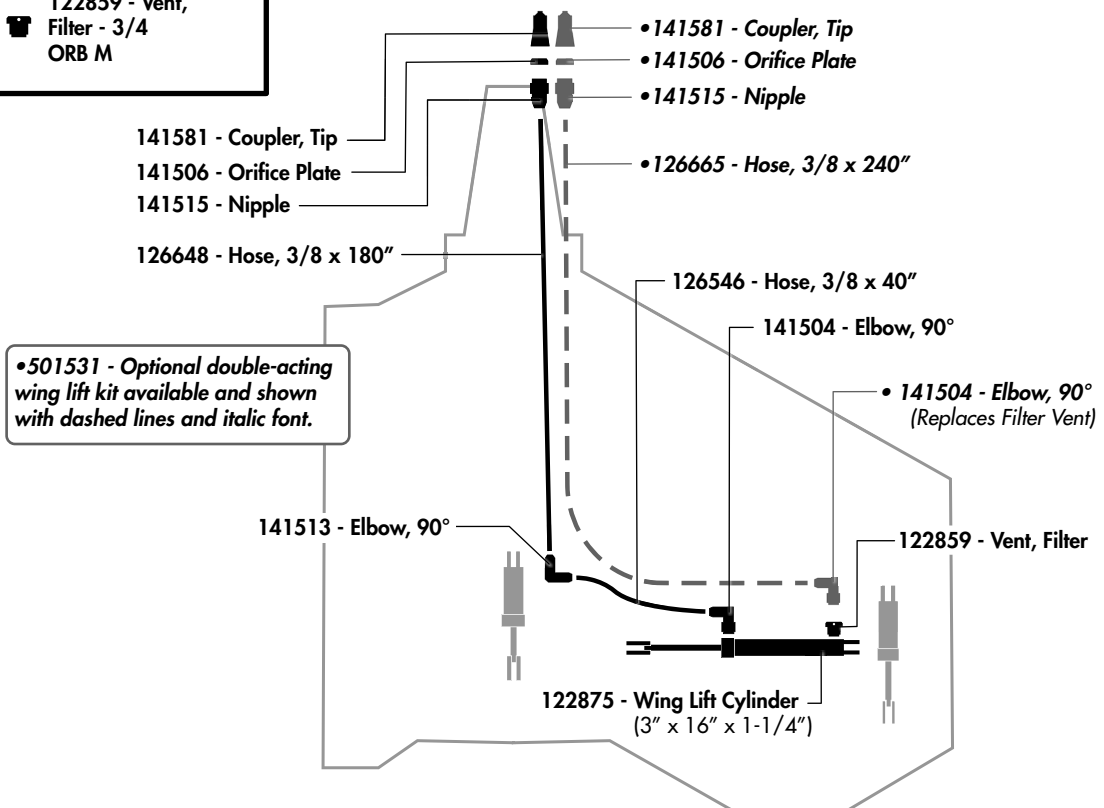
Height Control Cylinders - 1020 Model

(Note: Cylinder details are shown on a separate page)



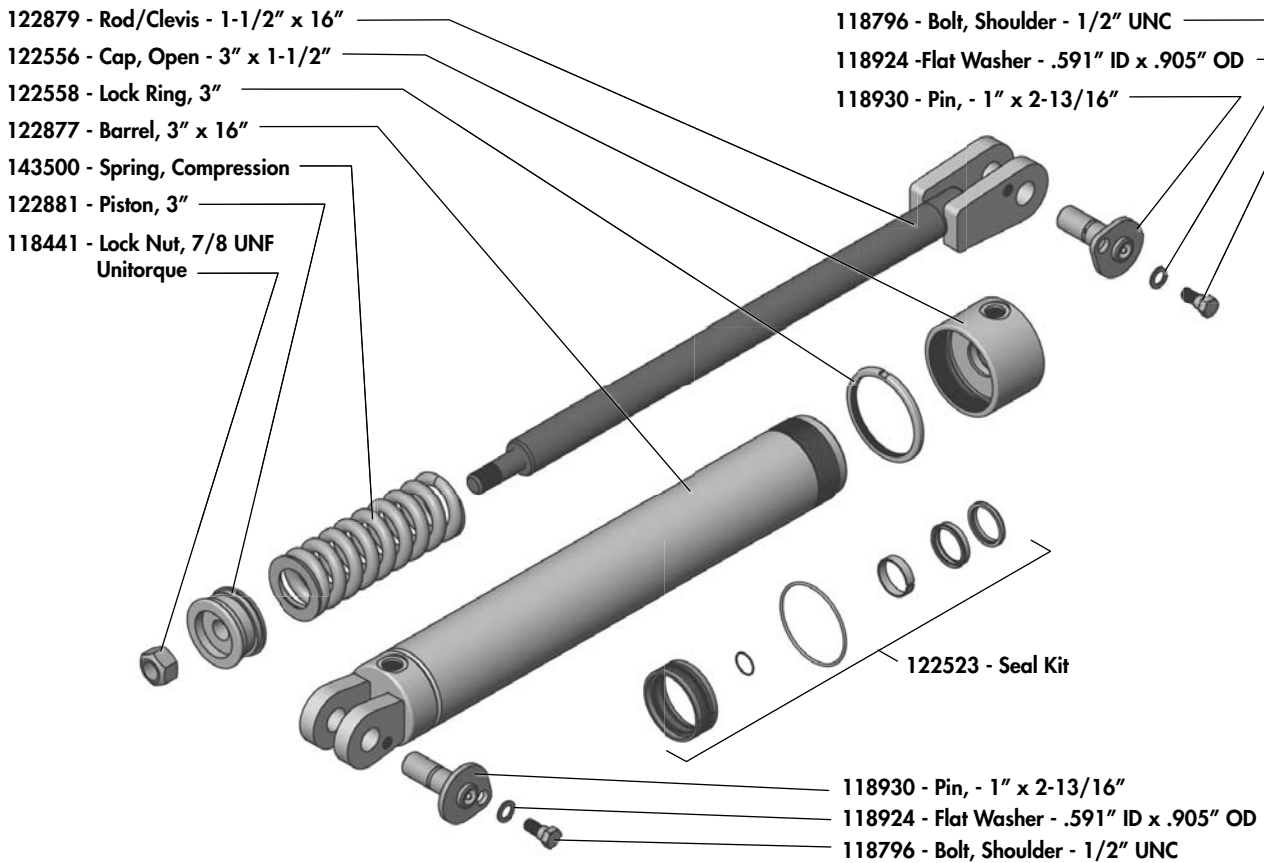
Wing Lift Cylinders - 1020 Model

(Note: Cylinder details are shown on a separate page)

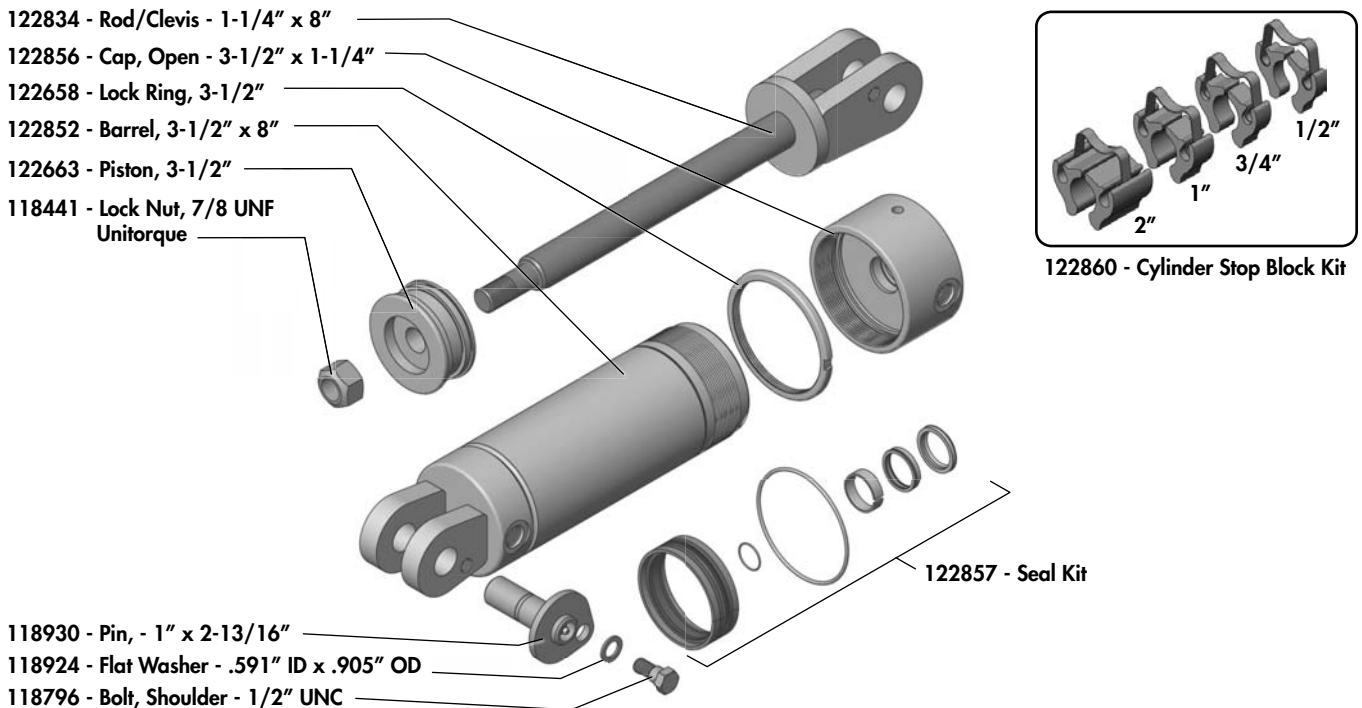


Cylinders

122875 - Wing Lift Cylinder (with Internal Compression Spring) - 3" x 16" x 1-1/2"

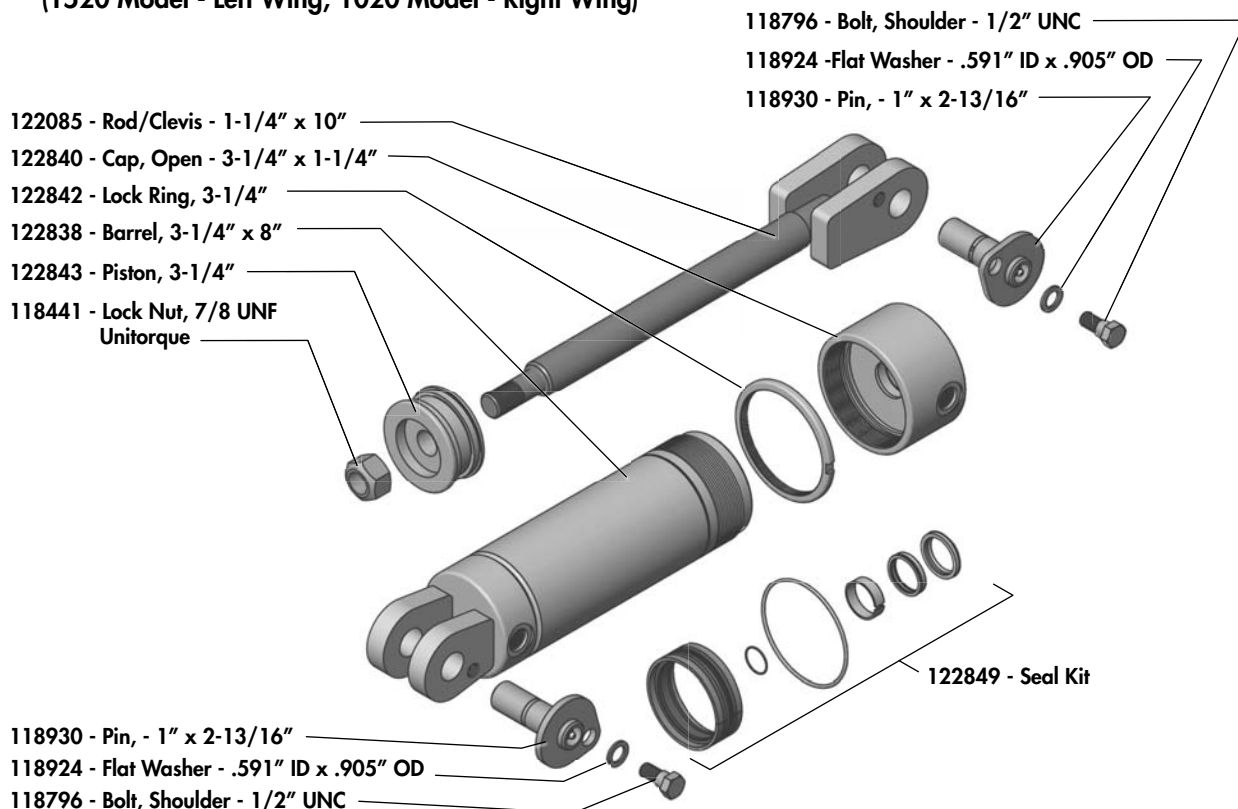


122850 - Center Height Control Cylinder (with Rephasing Grooves) - 3-1/2" x 8" x 1-1/4"

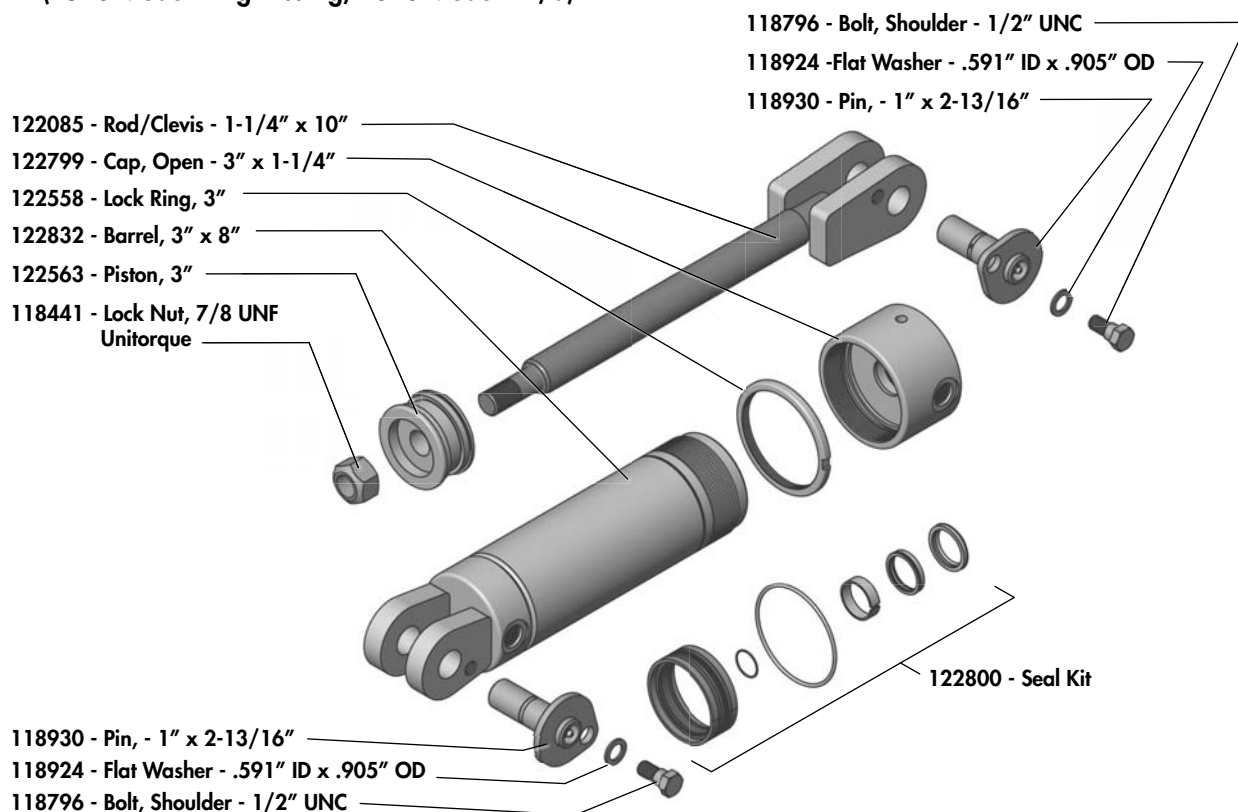


Cylinders

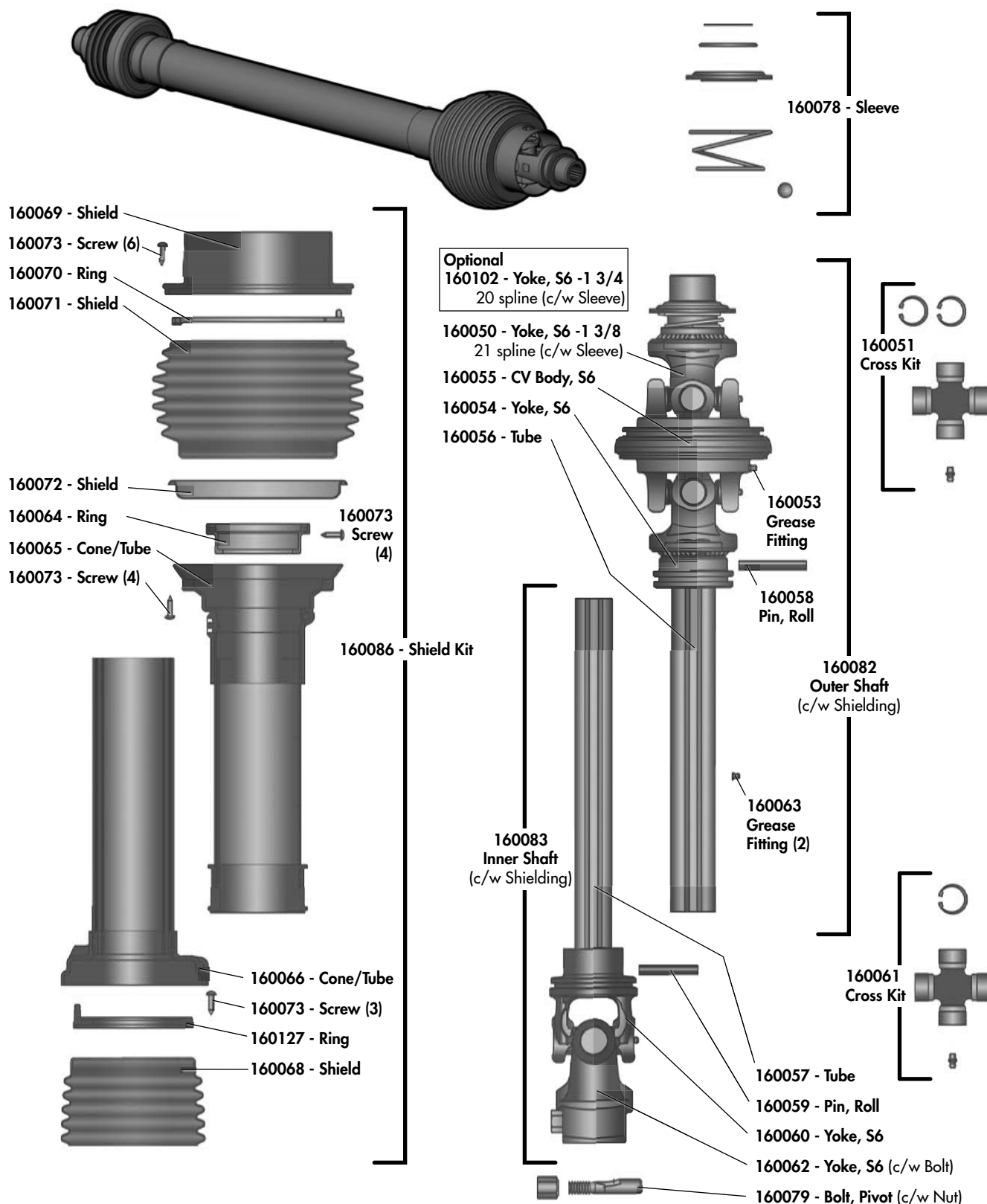
122836 - **Wing Height Control Cylinder** (with Rephasing Grooves) - 3-1/4" x 8" x 1-1/4" (1520 Model - Left Wing, 1020 Model - Right Wing)



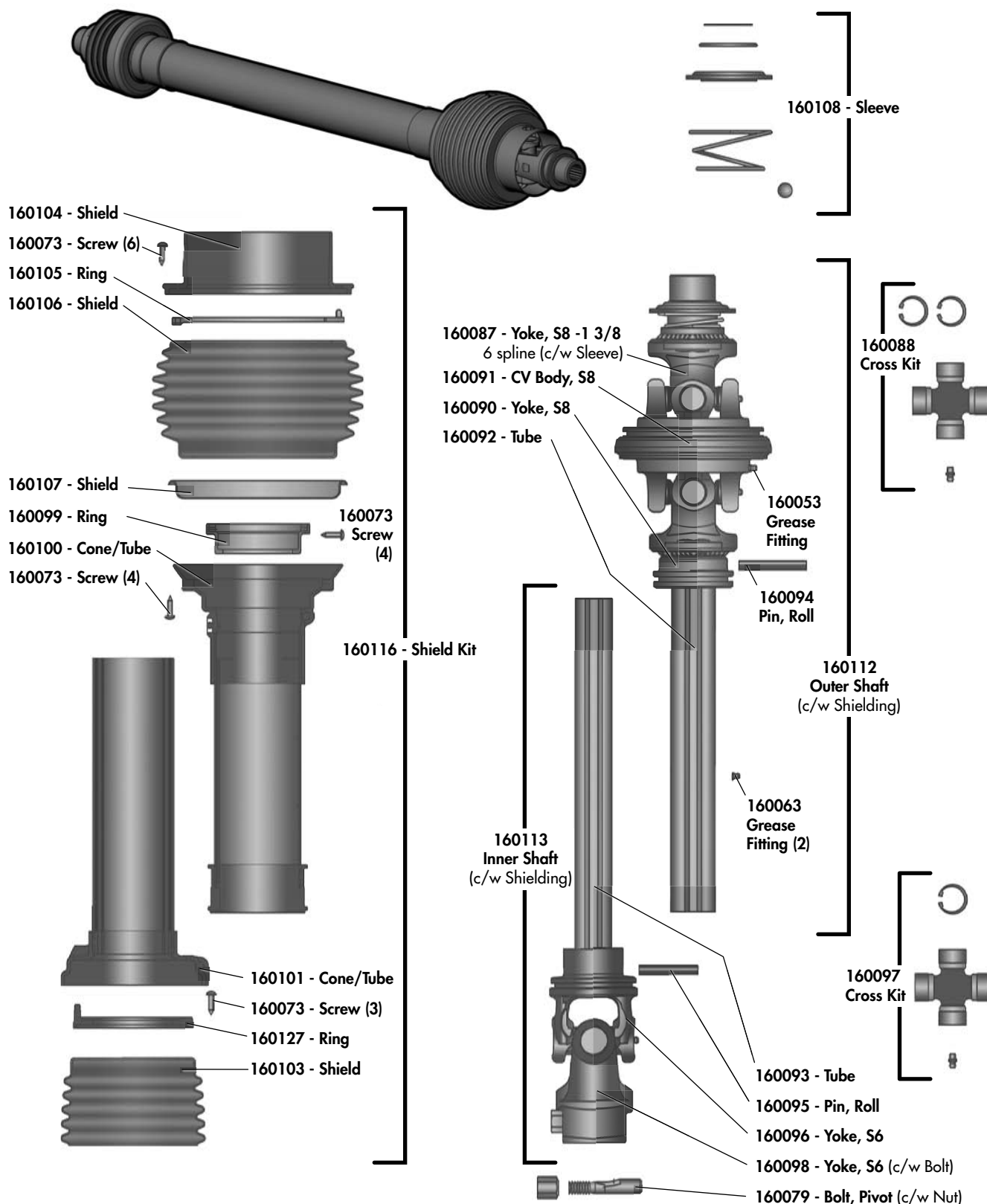
122830 - **Wing Height Control Cylinder** (with Rephasing Grooves) - 3" x 8" x 1-1/4" (1520 Model - Right Wing, 1020 Model - n/a)



160000 - 1000 PTO Driveline - Main Driveline with 80° CV Joint - B&P SFT S6



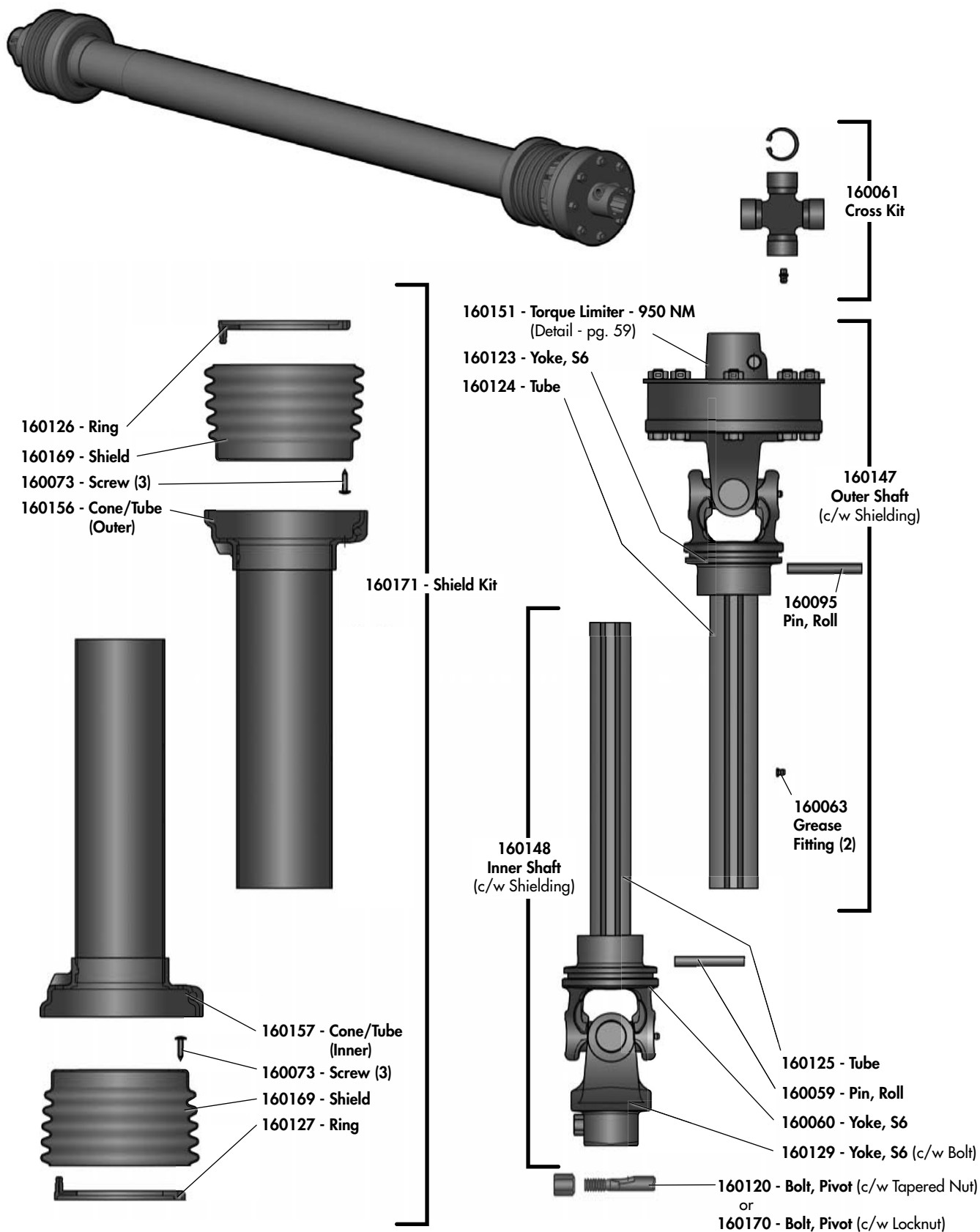
160001 - 540 PTO Driveline - Main Driveline with 80° CV Joint - B&P SFT S8



Drivelines

160010 - 540/1000 PTO Driveline - Wing Driveline with Torque Limiter - B&P SFT S6

540
1000

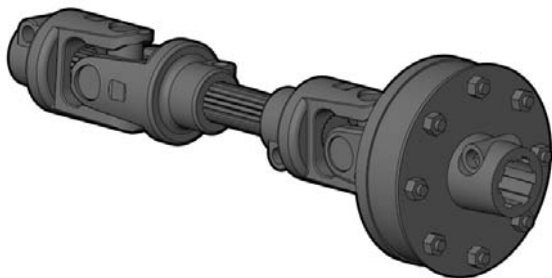


Drivelines

160003 - **1000 PTO Driveline - Center**
Driveline with 950 NM Torque Limiter - B&P S5

160005 - **540 PTO Driveline - Center**
Driveline with 1450 NM Torque Limiter - B&P S5

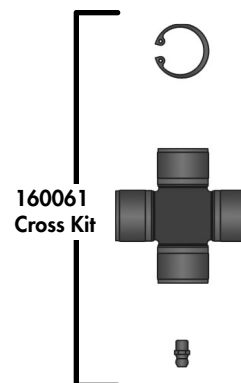
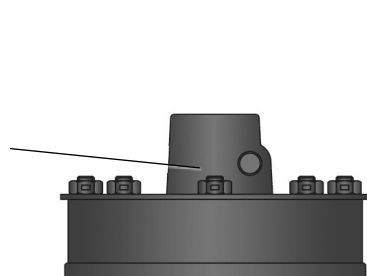
540
1000



160151 - Torque Limiter - 950 NM
1000 PTO Driveline
(Detail - pg. 59)

- OR -

160155 - Torque Limiter - 1450 NM
540 PTO Driveline
(Detail - pg. 59)



160061
Cross Kit

160122 - Yoke, S5

160152 - Spline, Male

160153 - Pin, Roll

160122 - Yoke, S5

160154 - Yoke, S5 (c/w Bolt)

160120 - Bolt, Pivot (c/w Tapered Nut)
or
160170 - Bolt, Pivot (c/w Locknut)



Drivelines

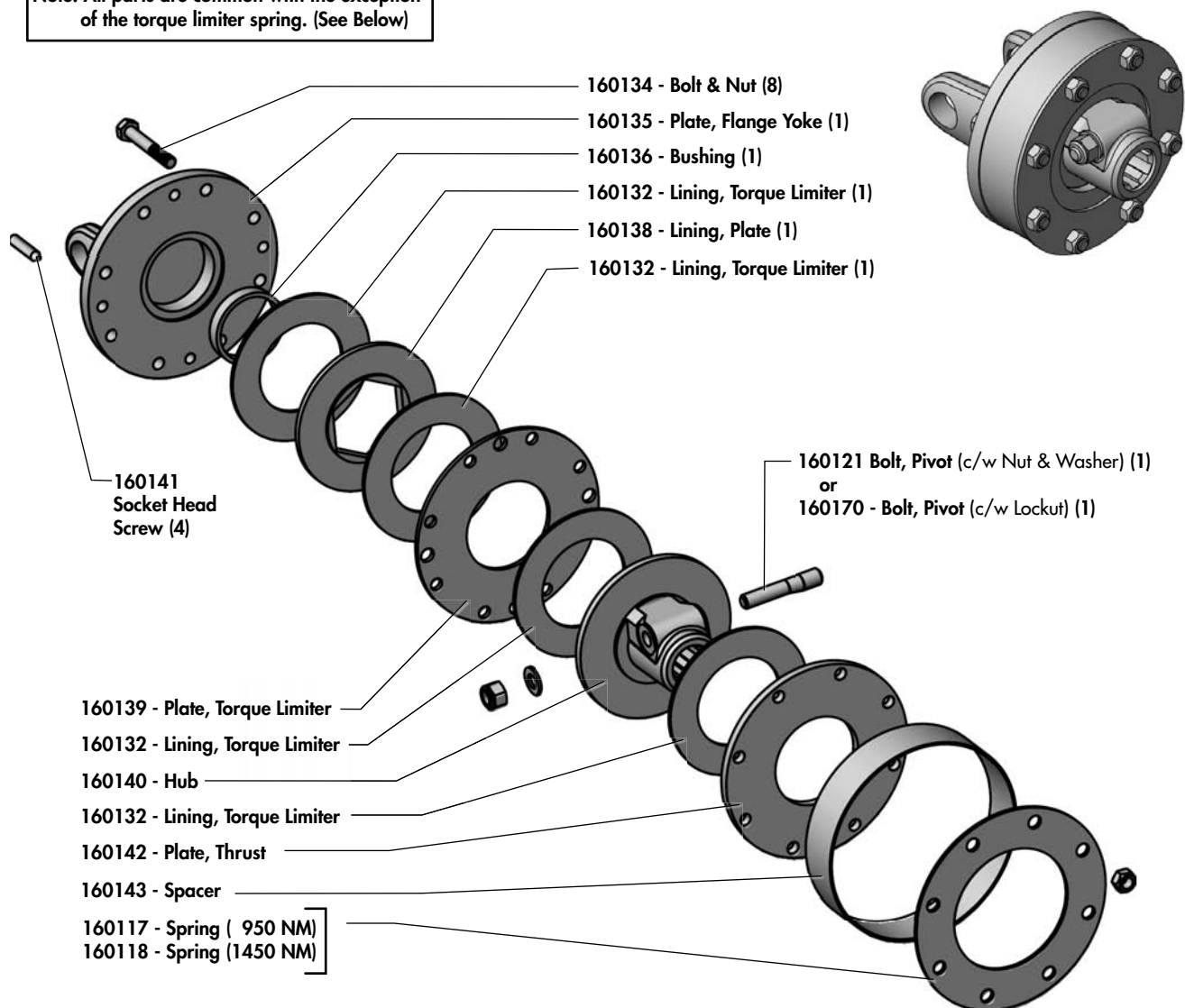
160151 - **Torque Limiter 950 NM - Wing 540/1000 PTO**

950 NM - Center 1000 PTO

160155 - **Torque Limiter 1450 NM - Center 540 PTO**

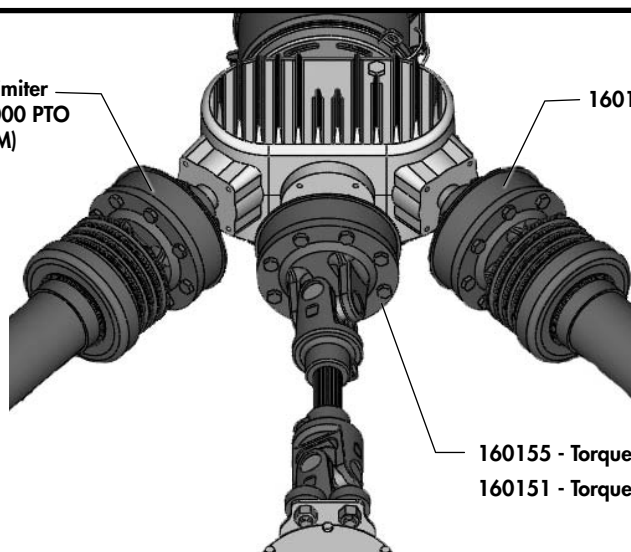
**540
1000**

Note: All parts are common with the exception of the torque limiter spring. (See Below)



160130 - Torque Limiter
540 & 1000 PTO
(950 NM)

160130 - Torque Limiter
540 & 1000 PTO
(950 NM)



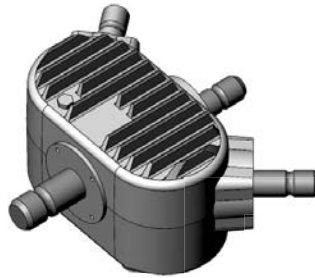
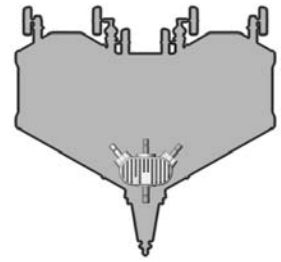
160155 - Torque Limiter - 540 PTO - (1450 NM)
160151 - Torque Limiter - 1000 PTO - (950 NM)

Gearboxes

170011 - **1000 RPM PTO Gearbox** - 8146 - (1.31:1)

-OR-

170021 - **540 RPM PTO Gearbox** - 8146 - (1:1.16)



1000 RPM PTO
170143 - Gear Set (1.31:1)

540 RPM PTO
170155 - Gear Set (1:1.16)

-OR-

Part # - (Qty) Description

- 170142 - (01) Shaft, 8146
- 170123 - (01) Seal
- 117164 - (01) Ball Bearing, 35mm (6307)
- 170148 - (01) Retaining Ring
- 170153 - (01) Shim
- 170139 - (01) Housing, 8146

Common Parts

- 170141 - (02) Shaft, 8146
- 170123 - (02) Seal
- 170149 - (02) Shim
- 170146 - (02) Retaining Ring
- 170111 - (02) Retaining Ring
- 170151 - (02) Shim
- 117159 - (02) Roller Bearing, 35mm (30307U)
- 170150 - (02) Shim
- 117161 - (02) Roller Bearing, 35mm (32207U)
- 170147 - (02) Retaining Ring

- 170152 - (01) Retaining Ring
- 117165 - (01) Ball Bearing, 40mm (6208)
- 170153 - (01) Shim
- 170148 - (01) Retaining Ring

- 170144 - (01) Fill Plug
- 170105 - (01) Plug
- 170154 - (01) Seal
- 170140 - (01) Cover, 8146

- 118731 - Flat Washer, 5/16" SAE (2)
- 118530 - Lock Washer, 5/16" (2)
- 118110 - Bolt, 5/16" x 1" UNC (2)
- 160006 - Splitter Shield (1)

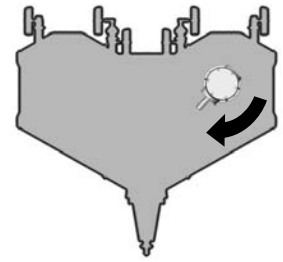
1020 Model Only

Gearboxes

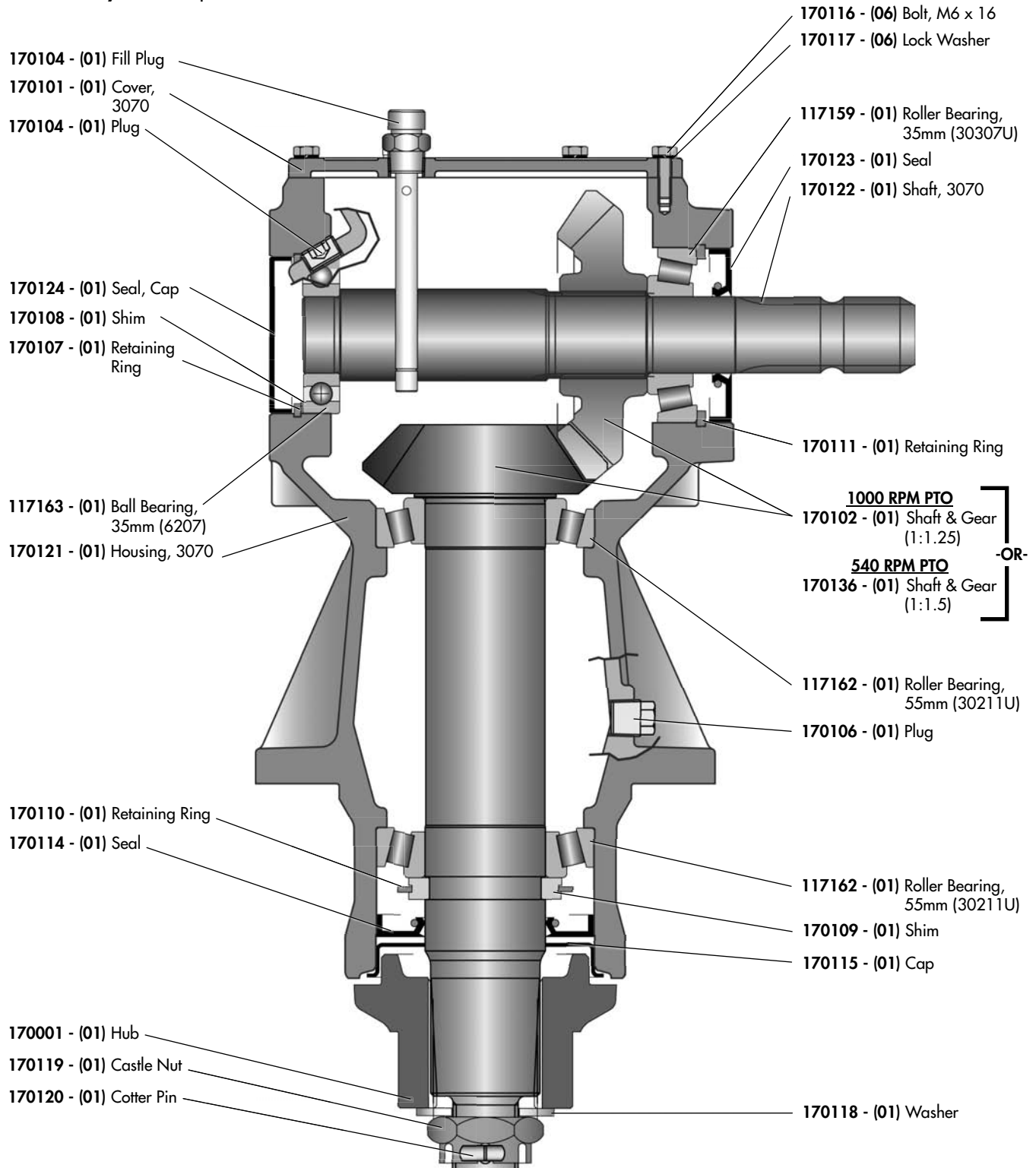
170003 - **1000 RPM PTO Gearbox** - 3070
(1:1.25) - Clockwise Rotation

-OR-

170013 - **540 RPM PTO Gearbox** - 3070
(1:1.5) - Clockwise Rotation



Part # - (Qty) Description

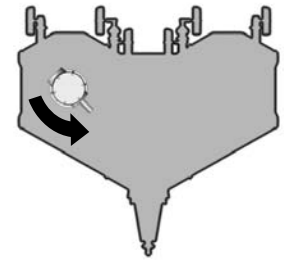


Gearboxes

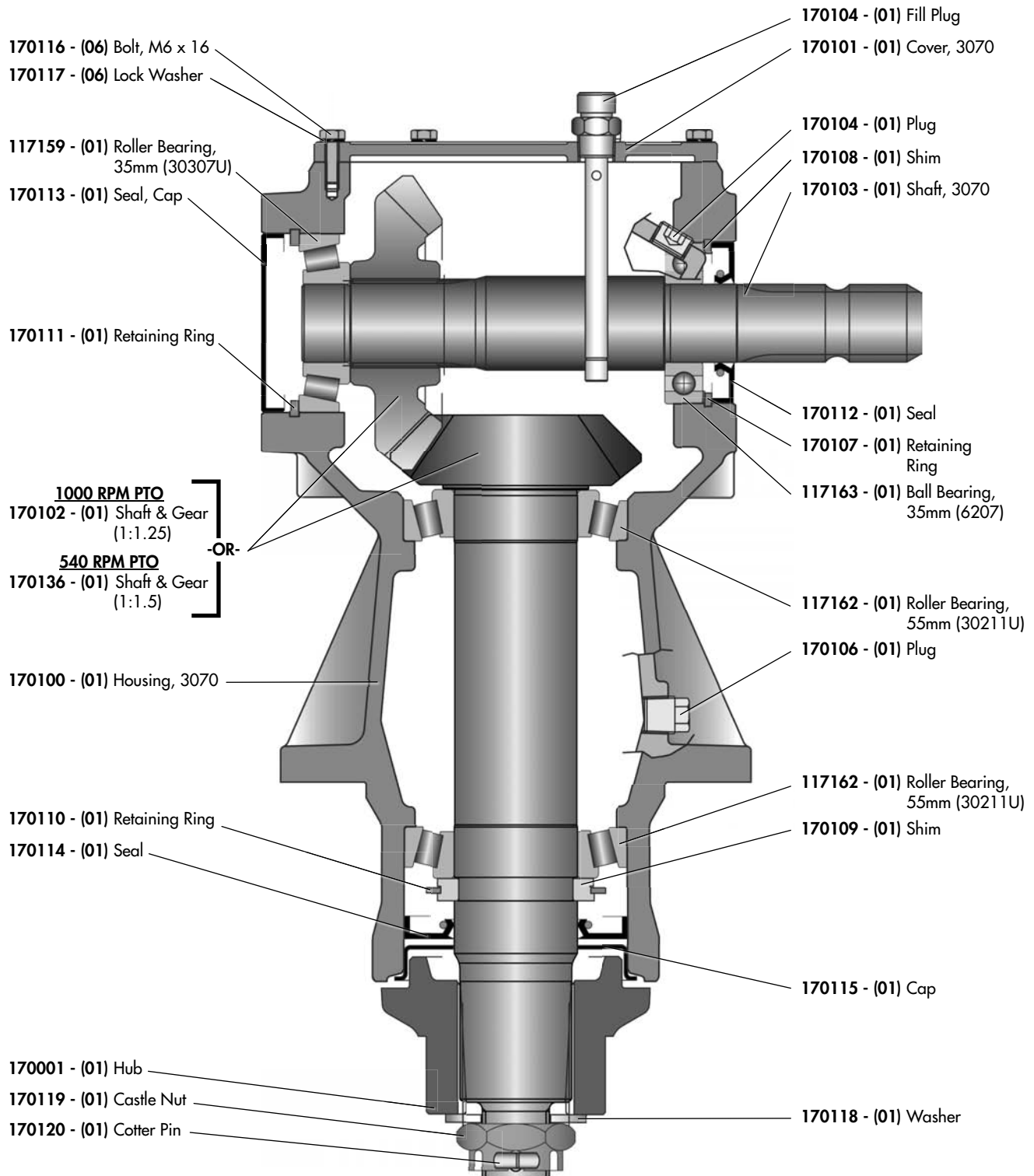
170005 - **1000 RPM PTO Gearbox** - 3070
(1:1.25) - Counter Clockwise Rotation

-OR-

170015 - **540 RPM PTO Gearbox** - 3070
(1:1.5) - Counter Clockwise Rotation

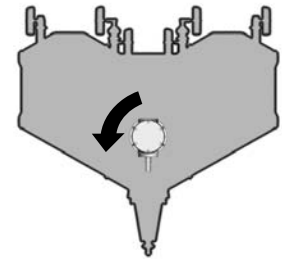


Part # - (Qty) Description

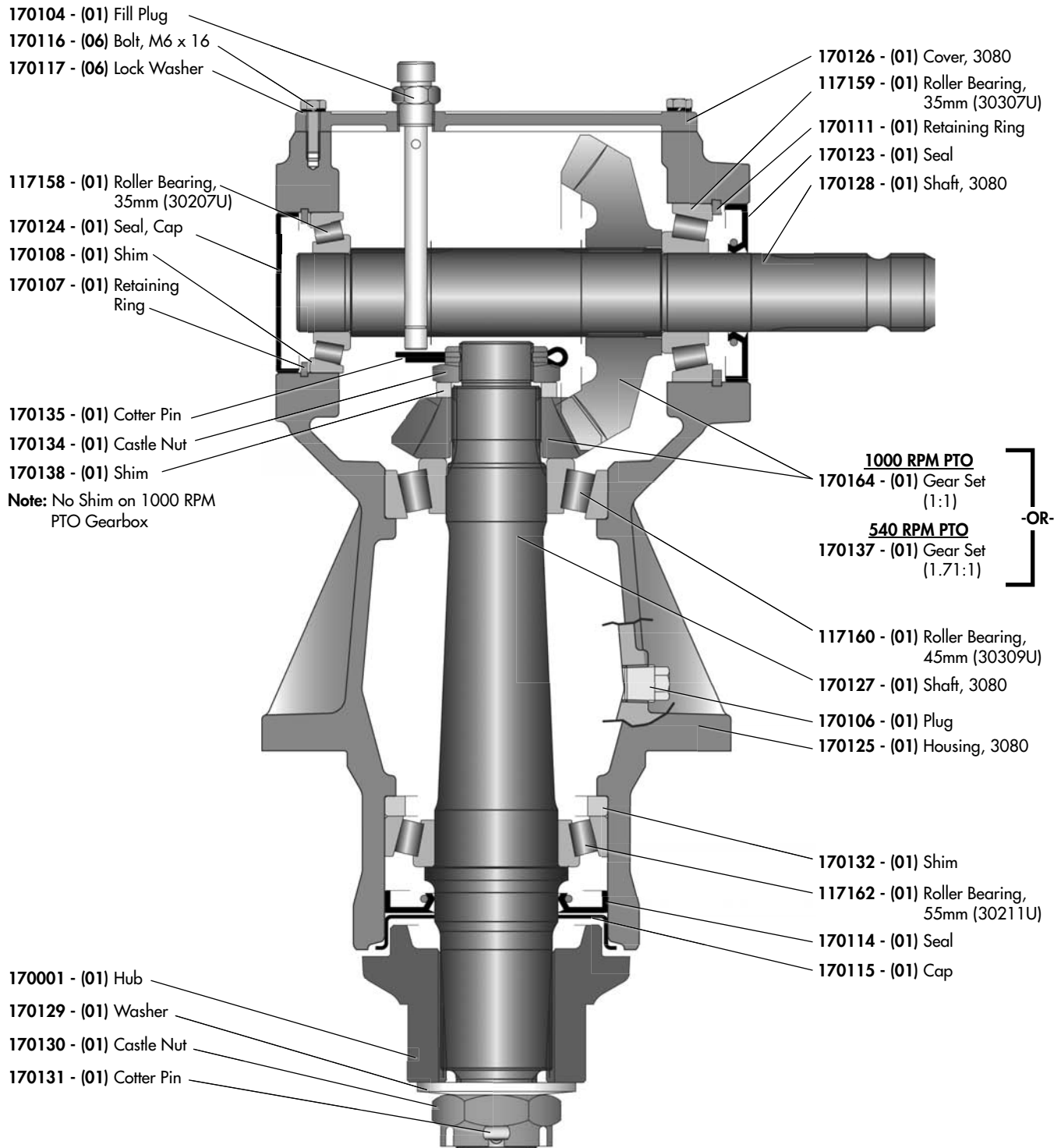


Gearboxes

170163 - **1000 RPM PTO Gearbox** - 3080
 (1:1) - Counter Clockwise Rotation
 -OR-
 170017 - **540 RPM PTO Gearbox** - 3080
 (1.71:1) - Counter Clockwise Rotation

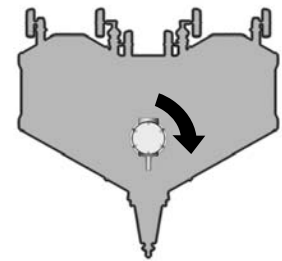


Part # - (Qty) Description

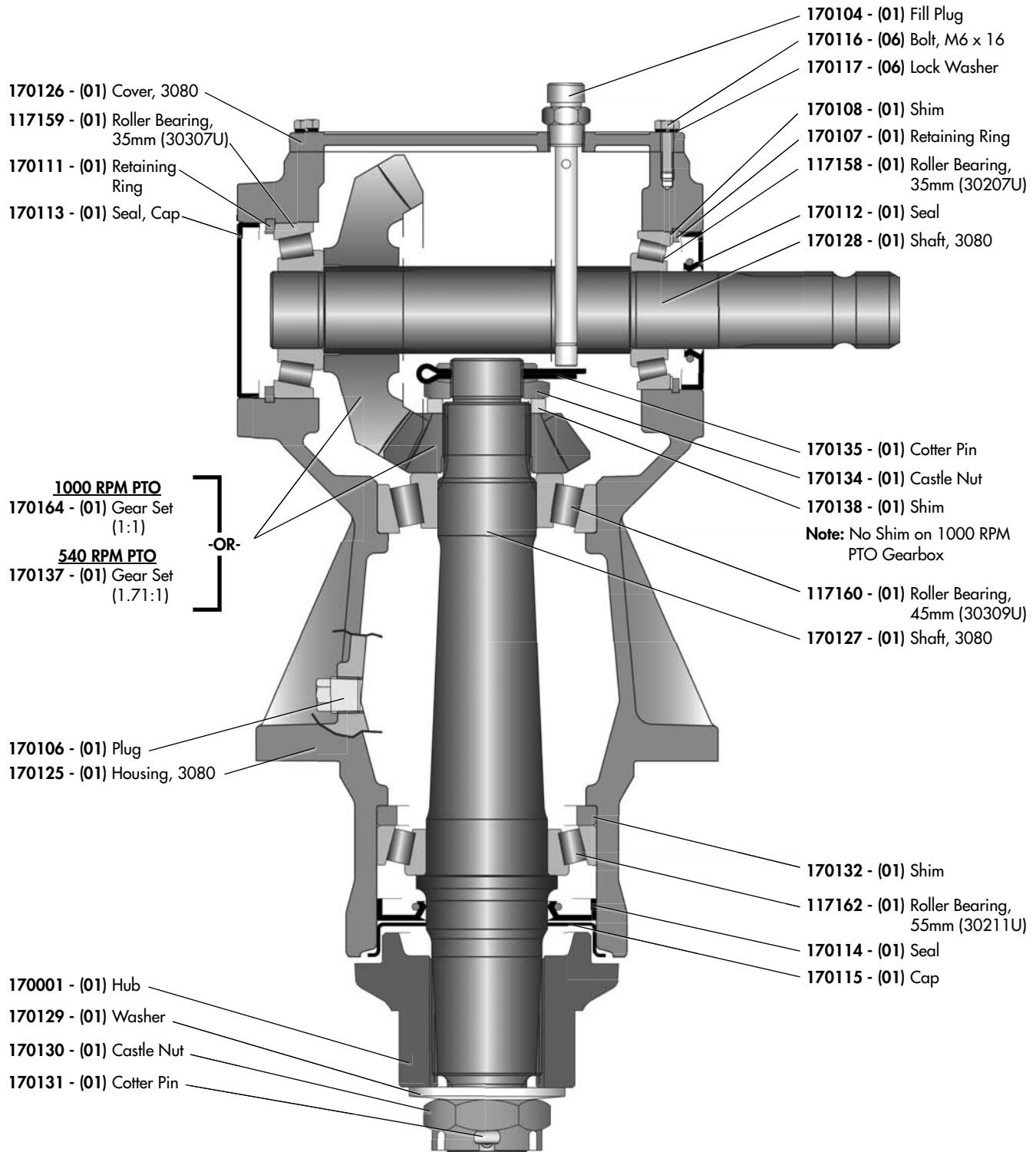


Gearboxes

170161 - **1000 RPM PTO Gearbox** - 3080
 (1:1) - Clockwise Rotation
 -OR-
 170019 - **540 RPM PTO Gearbox** - 3080
 (1.71:1) - Clockwise Rotation

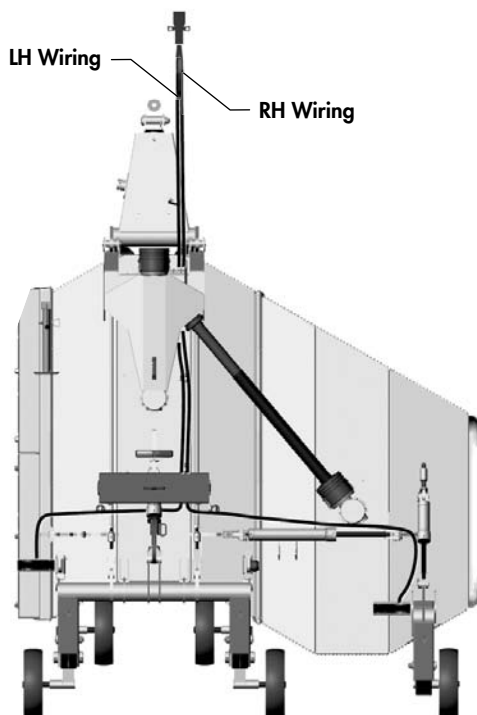


Part # - (Qty) Description

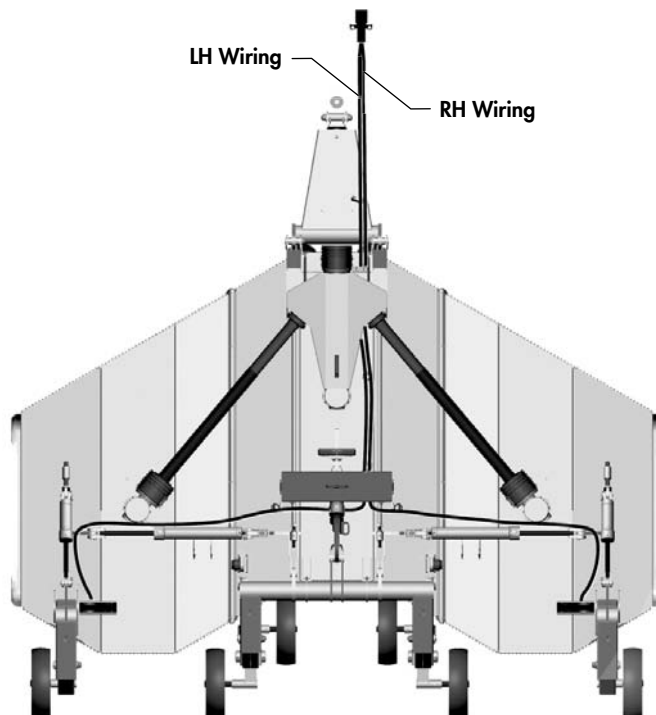


Optional Light Kit - Location

Typical Light Wire Routing - 1020



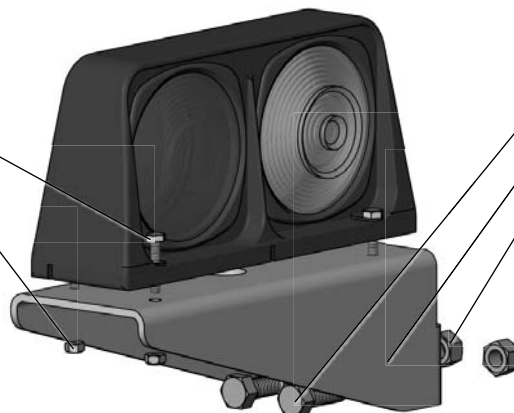
Typical Light Wire Routing - 1520



Typical Light Bracket Assembly

118756 - Bolt, 1/4" x 1-1/4" GR5 (8)

118483 - Lock Nut, 1/4" GR5 - Uunitorque (8)



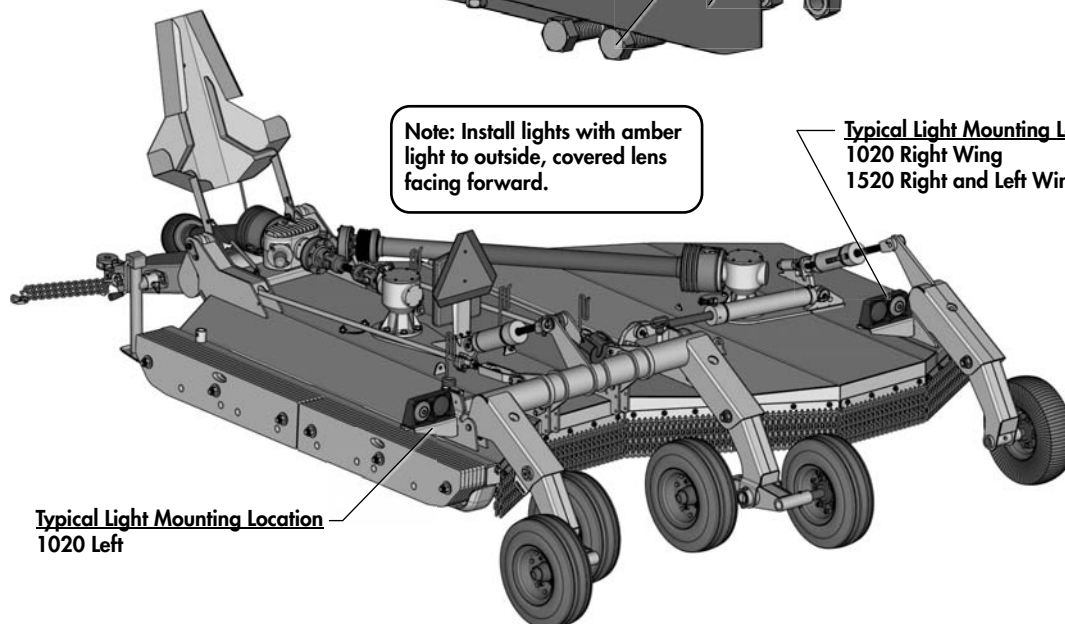
118011 - Bolt, 1/2" x 1-1/2" GR5 (4)

500926 - Light Mounting Bracket (2)

118729 - Lock Nut, 1/2" GRC - Uunitorque (4)

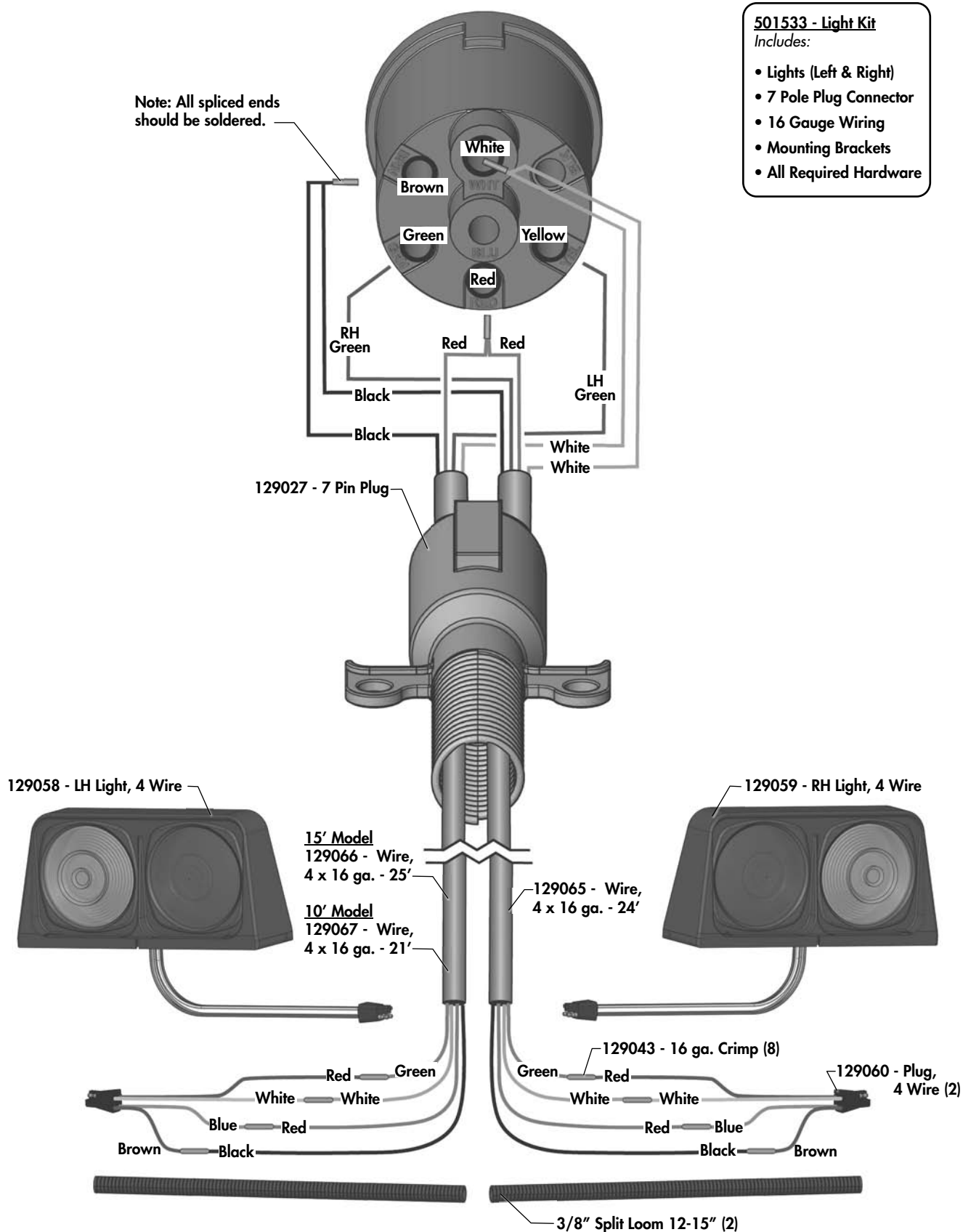
Note: Install lights with amber light to outside, covered lens facing forward.

Typical Light Mounting Location
1020 Right Wing
1520 Right and Left Wings



Typical Light Mounting Location
1020 Left

Optional Light Kit - Wiring

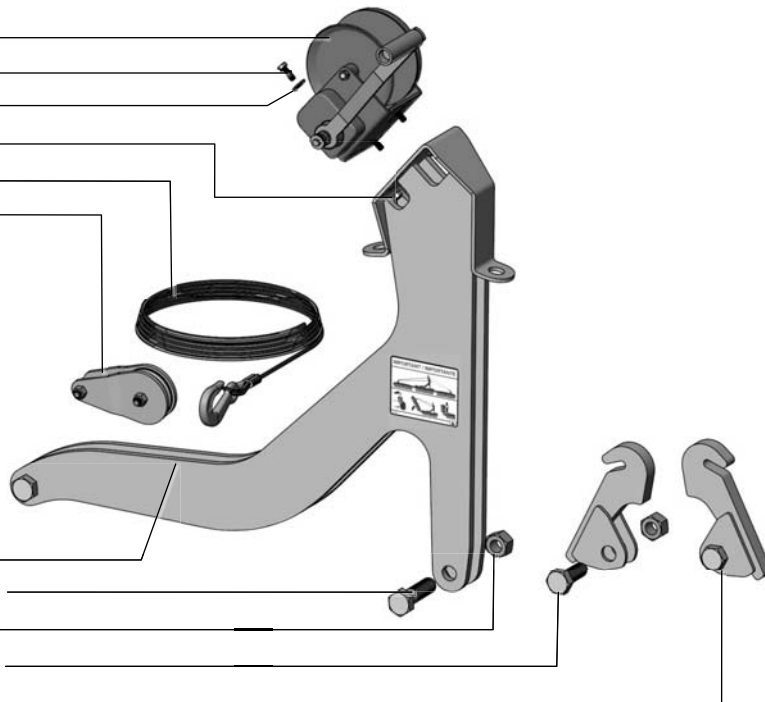


Optional Winch Kit

501534 - Winch Kit (Hardware Included)

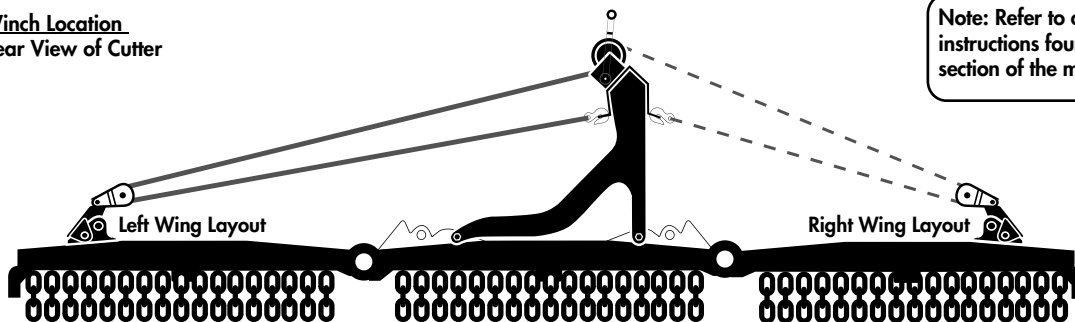
- 129063 - Winch, 1500 LB (1)
- 118511 - Flat Washer, 3/8 (3)
- 118005 - Bolt, 3/8" x 1" GR5 (3)
- 118417 - Lock Nut, 3/8" GR5 (3)
- 500916 - Cable/Hook Assembly (1)
- 500917 - Pulley Block (1)

- 500925 - Winch Mount Assembly (1)
- 118073 - Bolt, 1" x 3-1/2" UNC GR8 (2)
- 118456 - Lock Nut, 1" UNC GR5 (4)
- 118103 - Bolt, 1" x 2-1/2" UNC GR5 (2)
- 500920 - Hook Plate Assembly (2)



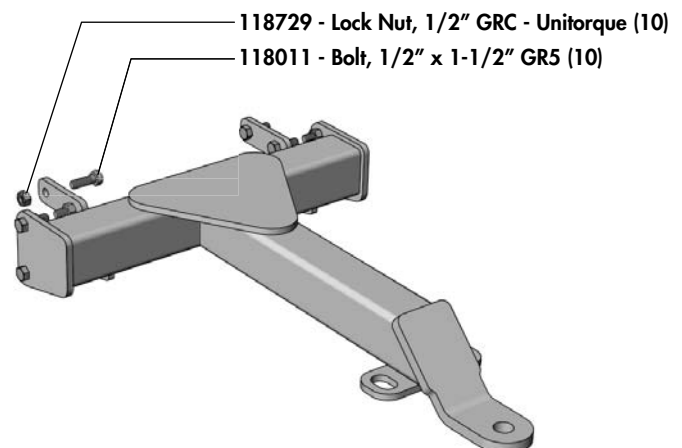
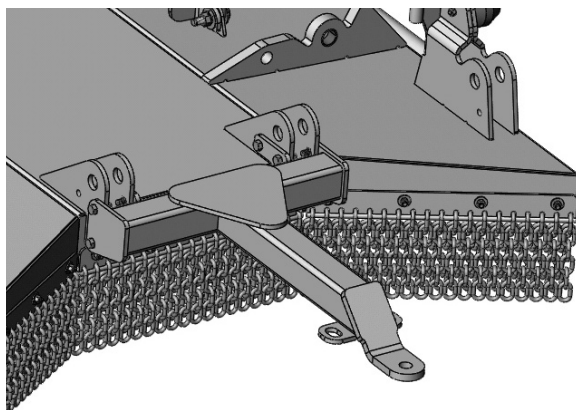
Winch Location
Rear View of Cutter

Note: Refer to operation and safety instructions found in the operators section of the manual - (pg. 34)



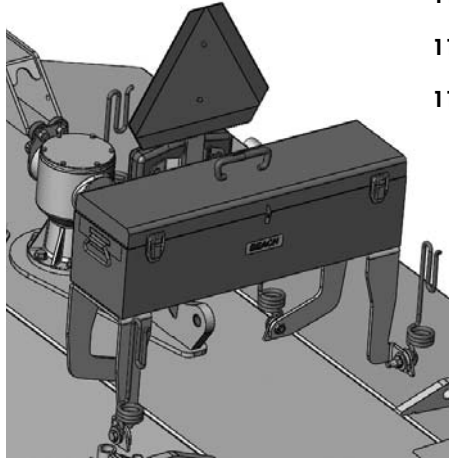
Optional Tow Hitch

501535 - Tow Hitch Kit (Hardware Included)



Optional Toolbox

501536 - Toolbox/Blade Storage Kit
(Hardware Included)



- 500852 - SMV Sign Extension (1)
- 118483 - Lock Nut, 1/4" GRC - Unitorque (2)
- 118983 - Bolt, 1/4" x 3/4" UNC GR5 (2)

133103 - Toolbox, 8-3/4" x 32" x 9 1/2" (1)

118009 - Bolt, 1/2" x 1-1/4" UNC GR5 (4)

118512 - Flat Washer, 1/2" (4)

118729 - Lock Nut, 1/2" GRC - Unitorque (4)

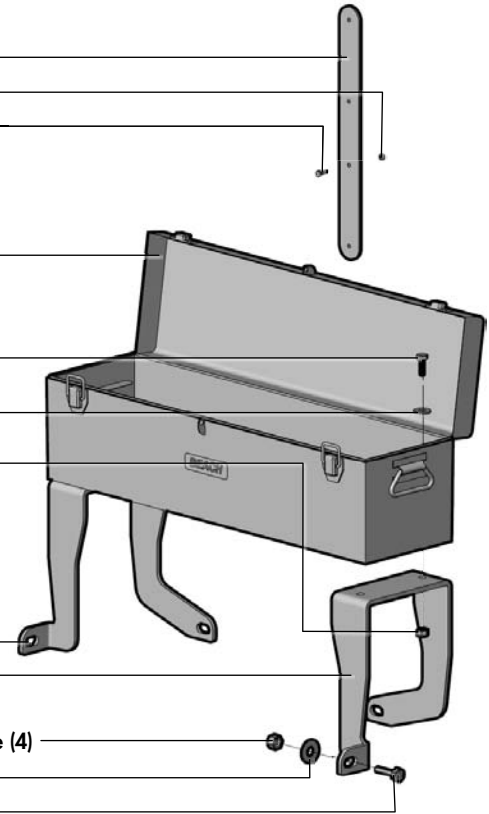
500851 - Toolbox Mount Bracket -LH (1)

500850 - Toolbox Mount Bracket -RH (1)

118447 - Lock Nut, 5/8" GRC - Unitorque (4)

118514 - Flat Washer, 5/8 (4)

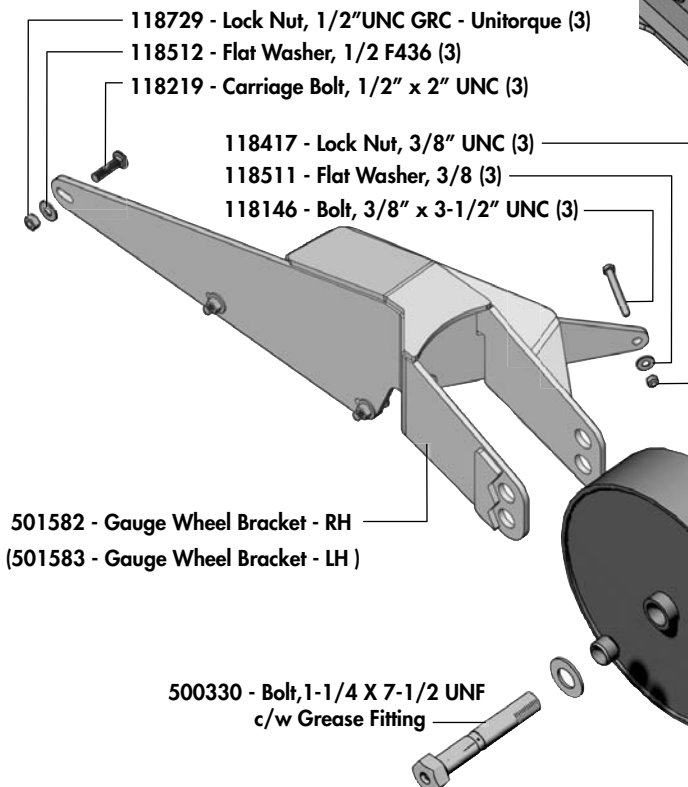
118026 - Bolt, 5/8" x 2" GR5 (4)



Optional Wing Gauge Wheels

501580 - Wing Gauge Wheel - RH (shown)

501581 - Wing Gauge Wheel - LH



118729 - Lock Nut, 1/2"UNC GRC - Unitorque (3)

118512 - Flat Washer, 1/2 F436 (3)

118219 - Carriage Bolt, 1/2" x 2" UNC (3)

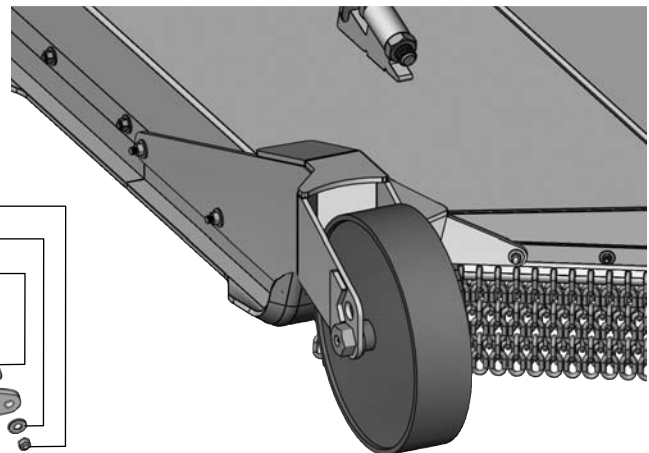
118417 - Lock Nut, 3/8" UNC (3)

118511 - Flat Washer, 3/8 (3)

118146 - Bolt, 3/8" x 3-1/2" UNC (3)

501582 - Gauge Wheel Bracket - RH
(501583 - Gauge Wheel Bracket - LH)

500330 - Bolt, 1-1/4 X 7-1/2 UNF
c/w Grease Fitting



118962 - Lock Nut, 1-1/4" UNF Gr 8 (1)

131206 - Washer, Flat 1-1/4 SAE (2)

117111 - Bushing - 1-1/2 x 1/8 x 1 (2)

501595 - Steel Wheel Assembly (1)
(comes with bushings)

Warranty

2 Year Limited Warranty

Degelman Industries Ltd. ("Degelman") warrants to the original purchaser of a new 1020/1520 Degelman Rotary Cutter, purchased from an authorized Degelman dealer, that the equipment will be free from defects in material and workmanship for a period of two (2) years from the date of delivery, for non-commercial use (including farm, institutional, government, and municipality) and (1) year from the date of delivery for commercial use. The obligation of Degelman to the purchaser under this warranty is limited to the repair or replacement of defective parts in the first year and to the provision, but not the installation of replacement parts in the second year. Degelman reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

Replacement or repair parts installed in the equipment covered by this limited warranty are warranted for ninety (90) days from the date of delivery of such part or the expiration of the applicable new equipment warranty period, which ever occurs later. Warranted parts shall be provided at no cost to the user at an authorized Degelman dealer during regular working hours. Warranted replacement parts will either be replaced or rebuilt at Degelman's discretion.

Disclaimer of implied warranties & consequential damages

This warranty shall not be interpreted to render Degelman Industries Ltd. liable for injury, death, property damage or damages of any kind, whether direct, consequential, or contingent to property. Without limiting the generality of the foregoing, Degelman shall not be liable for damages resulting from any cause beyond its reasonable control, including, without limitation, loss of crops, any expense or loss of labour, supplies, rental machinery or loss of use.

No other warranty of any kind whatsoever, express or implied is made with respect to this sale; and all implied warranties of merchantability and fitness for a particular purpose which exceed the obligations set forth in this written warranty are hereby disclaimed and excluded from this sale. This exclusion shall not apply in any jurisdiction where it is not permitted by law.

This limited warranty shall not apply:

1. If, in the sole opinion of Degelman, the unit has been subjected to misapplication, abuse, misuse, negligence or accident.
2. To any goods that have sustained damage or deterioration attributable to contact with foreign objects (eg. stones, iron, and other material other than grass and brush.)
3. If parts not made or supplied by Degelman have been used in the connection with the unit, if, in the sole judgement of Degelman such use affects its performance, safety, stability or reliability.
4. If the unit has been altered or repaired outside of an authorized Degelman dealership in a manner which, in the sole judgement of Degelman, affects its performance, safety, stability or reliability.
5. To normal maintenance service and normal replacement items such as gearbox lubricant, hydraulic fluids, and seals.
6. To expendable or wear items such as blades, blade bolts, skid pans, skid shoes and any other items that in the company's sole judgement is a wear item.

No employee or representative of Degelman Industries Ltd. is authorized to change this limited warranty in any way or grant any other warranty unless such change is made in writing and signed by the Degelman Service Manager.

This limited warranty is subject to any future availability of supply, which may directly affect Degelman's ability to obtain materials or manufacture replacement parts.

Degelman reserves the right to make improvements in design or changes in specifications at any time, without incurring obligations to owners of equipment previously delivered.

This limited warranty is subject to compliance by the customer to the enclosed *Retail Customer's Responsibility Under Degelman Warranty*.

Make certain the warranty registration card has been forwarded to:

**Degelman Industries Ltd.
Box 830
272 Industrial Dr.
Regina, Sk., Canada
S4P 3B1**