Ag Pro XWide Lift

Owner's Manual & Parts Book

Purchase Date
Serial Number
Model Number
Tractor Model
Dealer

Grouser Products
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PN: 45406 Serial Number: 10208983-Current Date 3-4-2025

Contents

Welcome to the Owner

Thank you for your recent purchase of a Grouser System. Welcome to the family of satisfied Grouser system owners. Grouser Products is committed to offering quality products to help professionals in their daily jobs. We are also committed to providing you the highest level of customer satisfaction possible. Again, thank you for your patronage. We look forward to serving you.

This manual contains information concerning the operation, adjustment, safety and maintenance of the Ag Pro Lift System. You have purchased a dependable, long lasting piece of equipment. You can expect to receive long lasting performance and long service built into our products with proper care and operation. Please have all operators read and understand this manual carefully. Keep the manual available for reference. If, for any reason, you have questions or comments, we would be happy to hear from you. Call our number, 701-282-7710, or send us an e-mail at info@grouser.com. You can expect us to respond to your e-mail in a timely manner.

Abbreviation Key

HAHT	Hydraulic Angle - Hydraulic Tilt
HANT	Hydraulic Angle - No Tilt
NAHT	No Angle - Hydraulic Tilt
NANT	No Angle - No Tilt

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. To help prevent accidents, read and take the following precautions before operating this equipment. In addition, please follow all safety and operational instructions of your tractor manufacturer.

The Ag Pro Lift System:

1. The Ag Pro Lift System should be operated only by those who are responsible and instructed to do so.
2. Read the owner's manual carefully before using this equipment. Lack of operating knowledge can lead to accidents.
3. Keep the Ag Pro Lift System maintained in reliable and satisfactory condition to ensure your safety.
4. Make sure the area is clear of people before moving any equipment.
5. Do not modify or permit anyone else to modify or alter the equipment and its components without first consulting Grouser Products.
6. Lower the lift system to the ground when not in use.

Servicing the Ag Pro Lift System:

1. Read and follow all safety instructions provided by the tractor manufacturer.
2. Always use proper personal safety gear when performing maintenance on equipment.
3. Before servicing, relieve hydraulic pressure, stop engine and fully engage parking brake.
4. Escaping hydraulic fluid under pressure can penetrate skin causing serious injury. If fluid is injected into skin, obtain medical attention immediately.
   - DO NOT use your hand to check for leaks. Use a piece of cardboard or paper to search for leaks.
   - Stop the engine and relieve pressure before connecting or disconnecting lines.
   - Tighten all connections before starting the engine or pressurizing lines.

Storing the Ag Pro Lift System:

1. Thoroughly clean the Ag Pro System before storage. Use paint where necessary to prevent rust.
2. Check the Ag Pro Lift System for worn or damaged parts. Install new parts as required.
3. Lubricate all pins and joints.

Tighten all bolts to the values listed below unless otherwise noted. Refer to the parts lists for proper length and grade of the bolts.

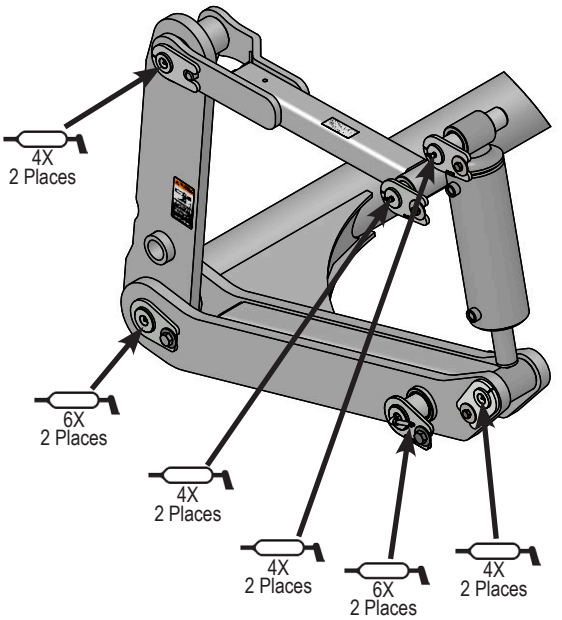
	Torque - Dry (ft–lbs)			
	SAE Grade 5		SAE Grade 8	
Size	UNC	UNF	UNC	UNF
5/16	17	19	24	27
3/8	30	35	45	50
7/16	50	55	70	80
1/2	75	85	110	120
9/16	110	120	150	170
5/8	150	170	210	240
3/4	260	300	380	420
7/8	430	470	600	670
1	640	720	910	1020

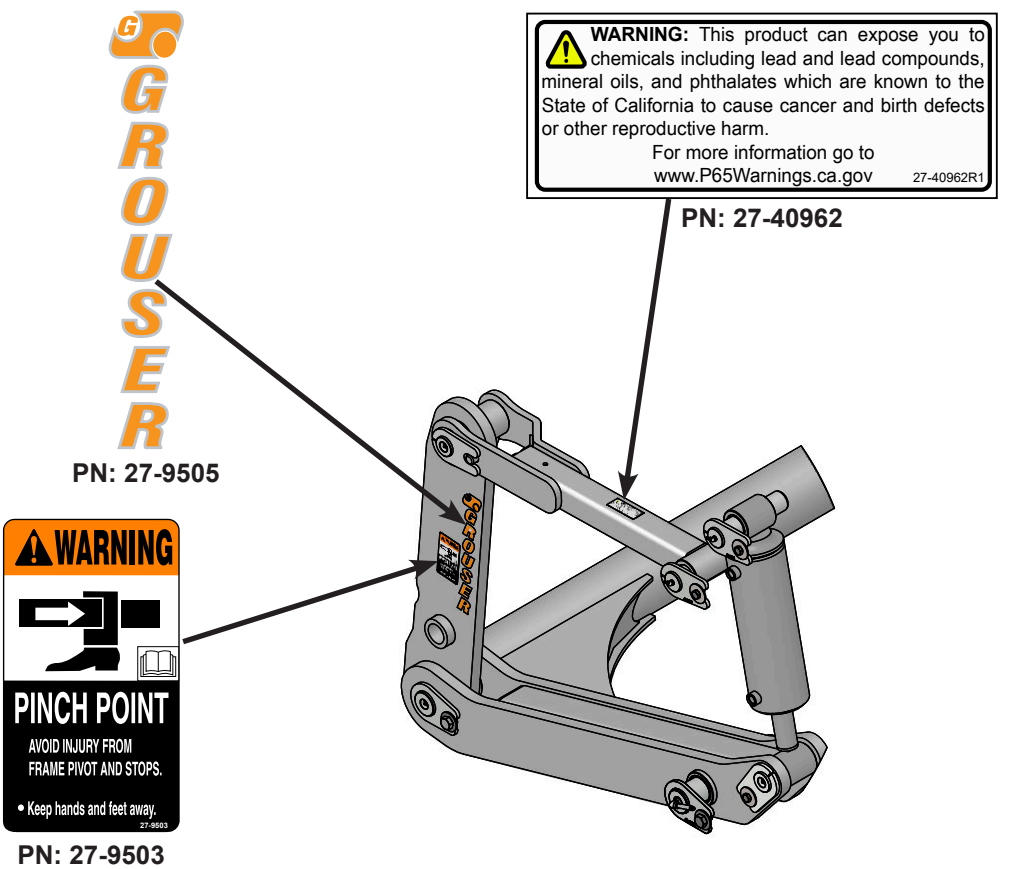
	Torque - Dry (ft-lbs)
Size	Grade 10.9
M18 x 2.50	284
M20 x 2.50	401
M22 x 2.50	547
M24 x 3.00	694

Install undercarriage per the tractor specific mounting instructions.

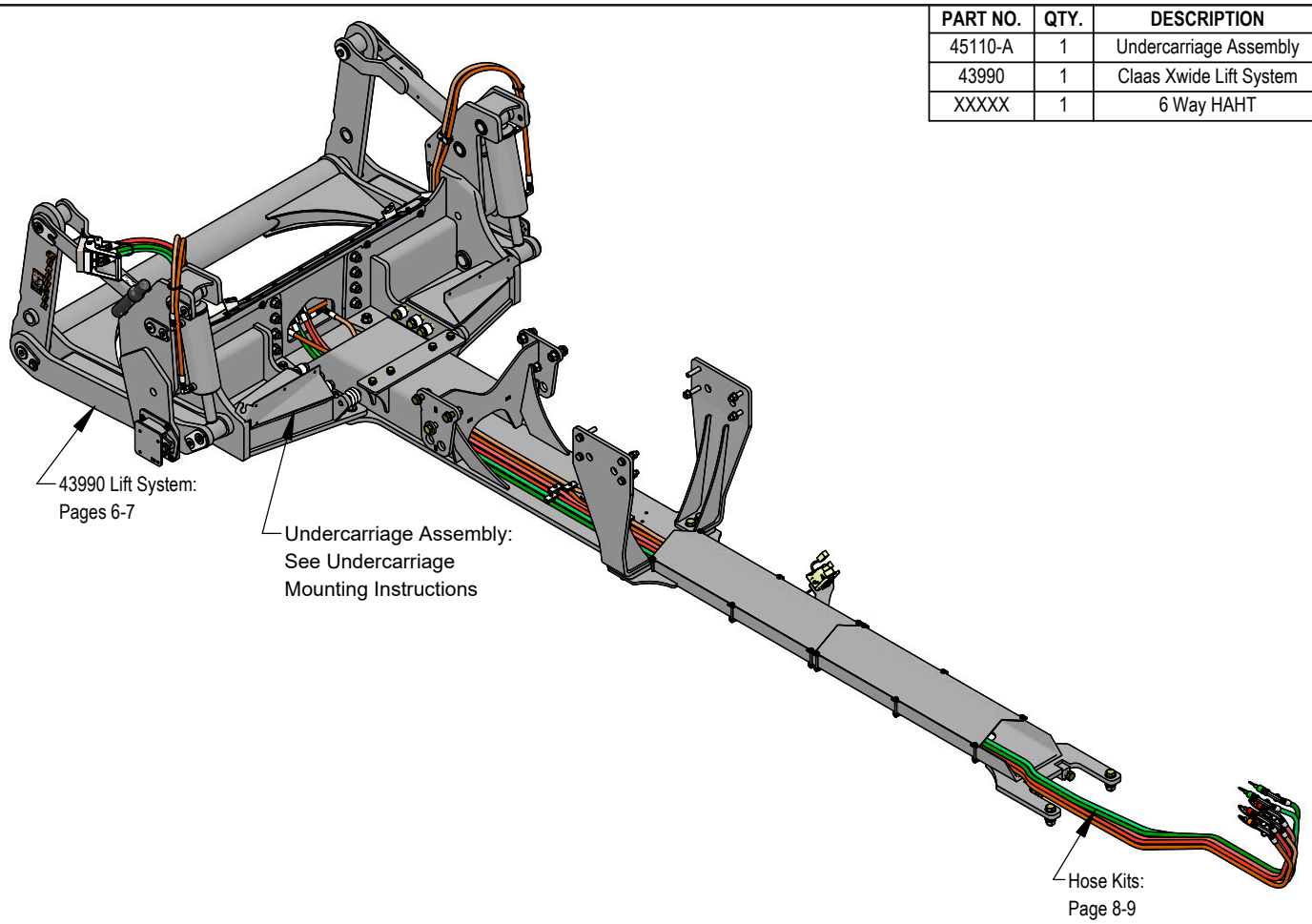
Due to the harsh environment this equipment operates in, the following tasks should be performed every 10 hours or less.

- Inspect all equipment before operation for existing or potential damage.
- Lubricate all joints with high quality grease. See below for grease locations.
- Inspect all bolts, and tighten any loose bolts to torque specifications on page 3.
- Check hydraulic cylinders and hoses for damage or leaks. For replacement parts, see hydraulic pages 6-9.
- Make sure all non-rotating pins are secured properly.
- Inspect all decals and order replacement decals from your dealer if any are damaged or worn.
- For multi-coupler maintenance, see pages 12-14.
- Replace parts with original parts only.



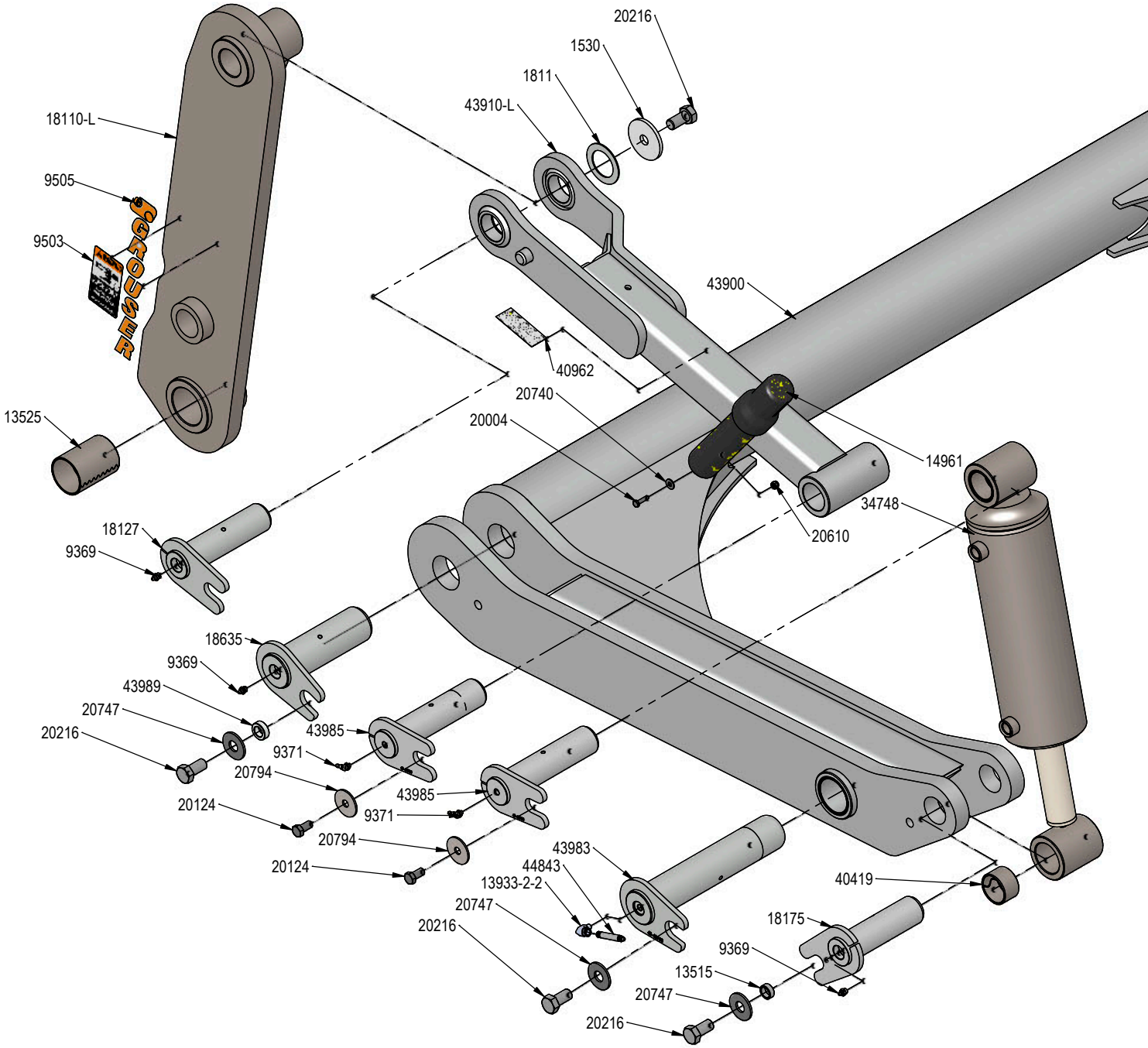


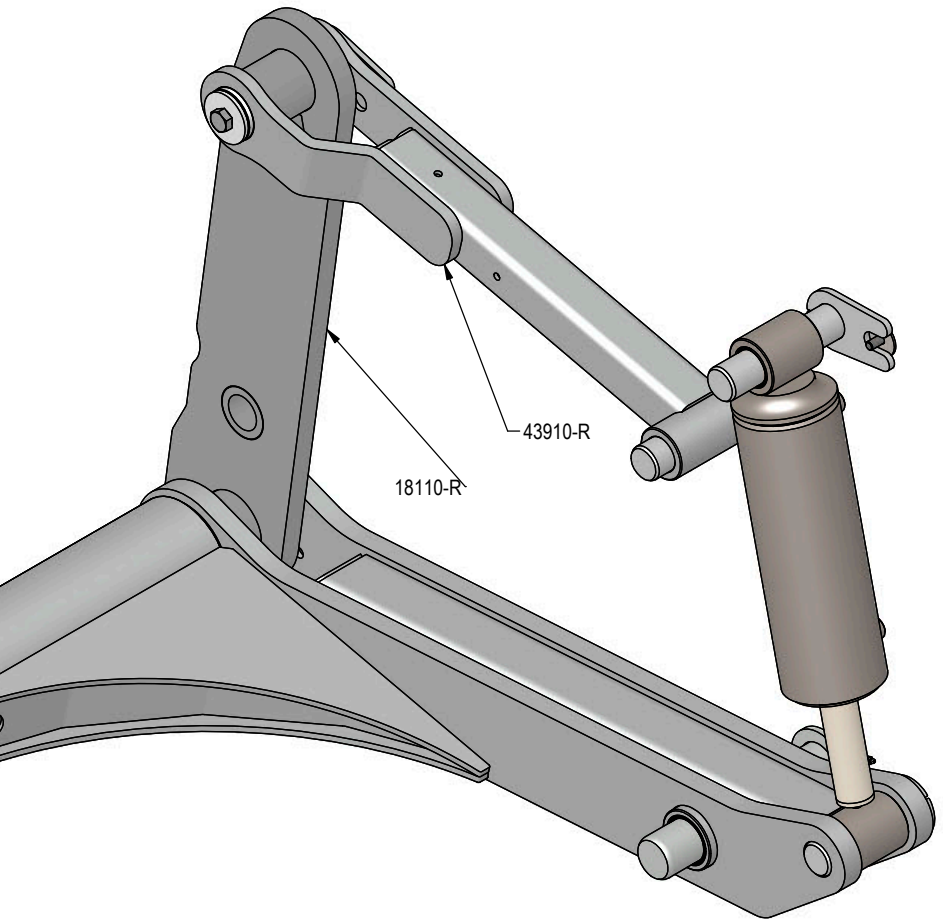
PART NO.	QTY.	DESCRIPTION
45110-A	1	Undercarriage Assembly
43990	1	Claas Xwide Lift System
XXXXX	1	6 Way HAHT



Some assembly of Lift System components is necessary. Follow the steps listed below. See diagram below for the correct hardware and orientation of parts.

1. Remove all pins and fasteners on each side of the undercarriage and set aside for later installation.
2. Position the lift frame between the two plates on both sides of the undercarriage and align to the bottom holes.
3. Insert pins and hardware to attach the lift frame, the base end of the lift cylinders, and the top arms to the undercarriage.
4. Insert pins and hardware to attach the male quick attaches to the lift frame, and to the top arms. Use 2" washers as shims to keep top arm pins tight and in place. Only use as many as needed until pin is tight while still allowing top arm to rotate.
5. Torque all fasteners according to the specifications on Page 3.

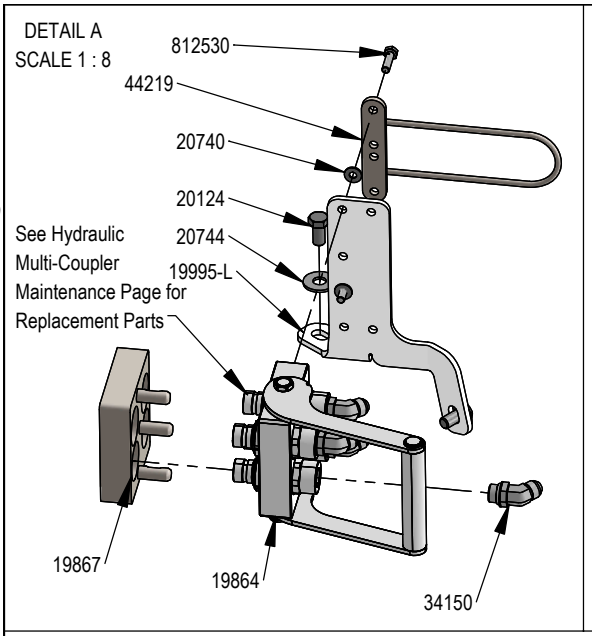


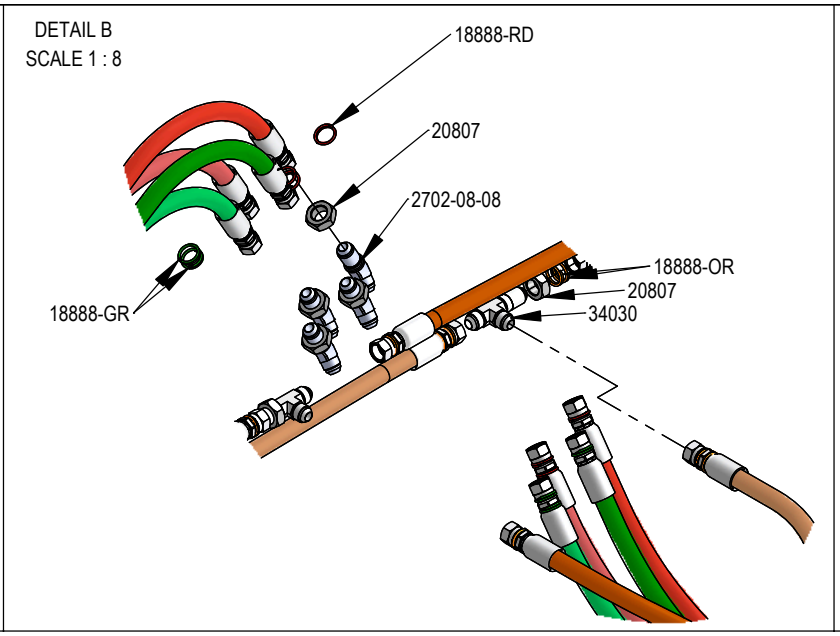


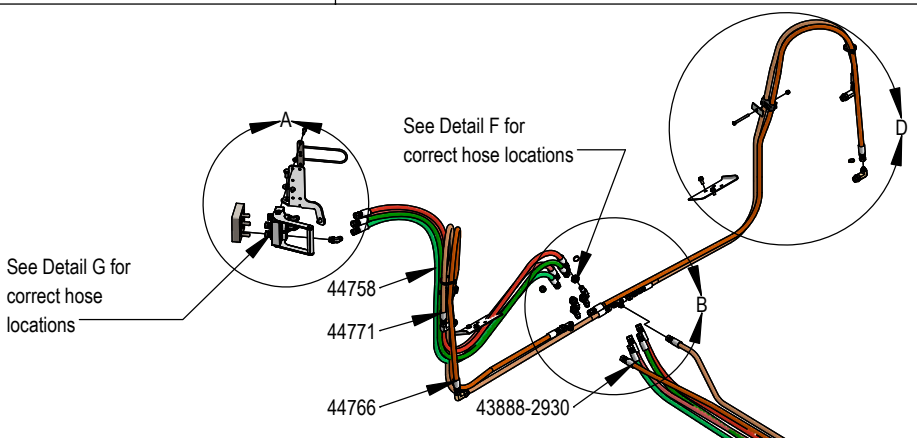
PART NO.	QTY.	DESCRIPTION
1530	2	3/4" x 3".00 x .25" HD Washer CZ
1811	4	2" Washer
9369	6	Straight 1/8" NPT Grease Zerk
9371	4	45° 1/8" NPT Grease Fitting
9503	2	Pinch Point, Foot
9505	2	Grouser Vertical Decal
13515	2	Spacer, NR Pin
13933-2-2	2	1/8" NPT Street Elbow
14142-2-2	1	1/8" Pipe To Pipe Expander
14961	1	Manual Canister Small
18089	2	2.75 x 2.50 x 3.75 Spring Bushing
18110-L	1	Male Quick Attach, Ag Pro S
18110-R	1	Male Quick Attach, Ag Pro S
18127	2	Top Arm Pin Weld
18175	2	Lift Cyl Pin Weld
18635	2	Ag Pro Plus QA Pin
20004	2	1/4" X 1" Hex Bolt Gr 5 NC CZ
20124	4	1/2" X 1" Hex Bolt Gr 5 NC CZ
20216	8	3/4" X 1-1/2" Hex Bolt Gr 5 NC CZ
20610	2	1/4" Nylock Hex Nut Gr 5 NC CZ
20740	2	1/4" Flat Washer CZ
20747	6	3/4" Flat Washer CZ
20794	4	1/2" Fender Washer (2.00" OD x .500" ID x .125")
34748	2	5 x 12 Hydraulic Cylinder
40419	8	2.25 x 2.00 x 1.38 Spring Bushing
40962	1	Warning Prop 65 Decal
43900	1	Lift Frame, Claas XWide
43910-L	1	Top Arm Weld
43910-R	1	Top Arm Weld
43983	2	Lift Frame / UC Pin
43985	4	Pin, Top Arm, Base Lift
43989	2	.75 x 1.25 NR Pin Bushing
44843	2	Grease Zerk 1/8" NPT Straight - 2.63" Long

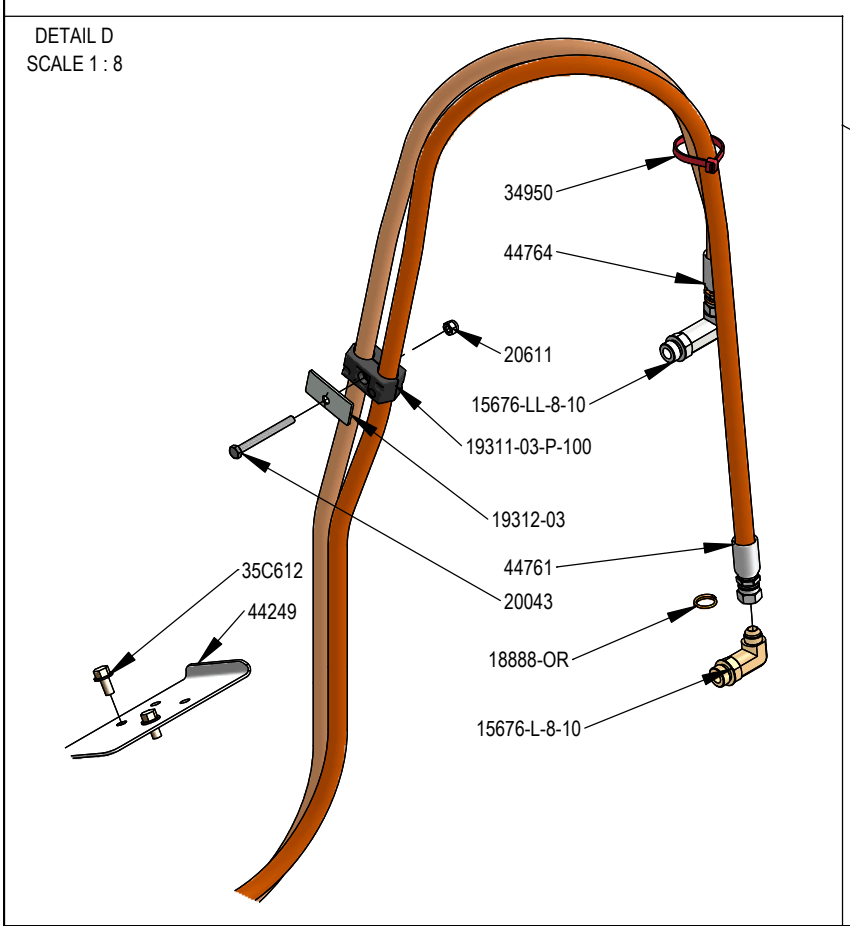
Cylinder	Part No.	Description
26-34748	49-12277	Seal Kit 5 x 12

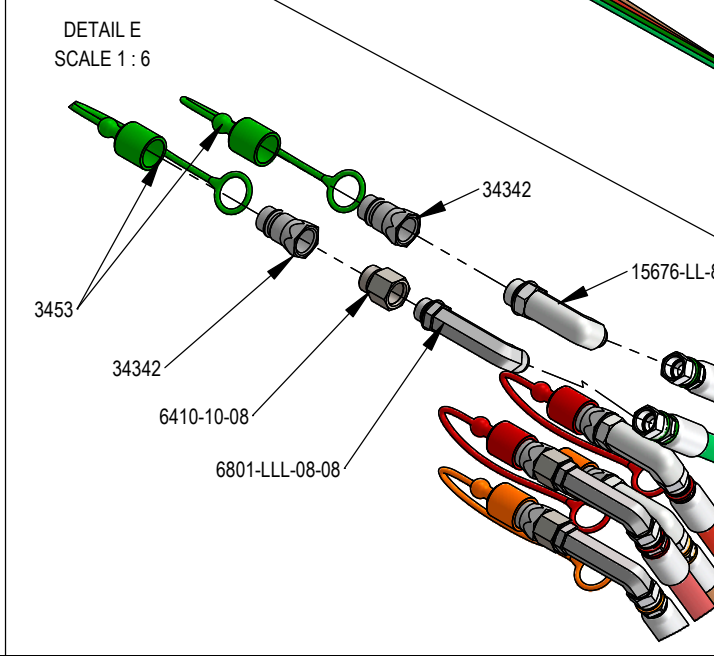
DWG. NO.: 43990

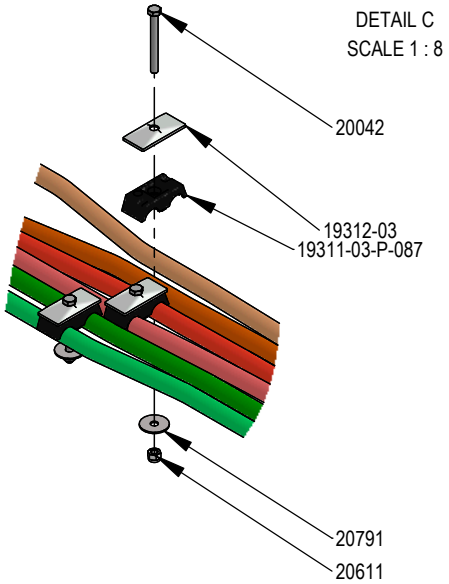

DETAIL A
SCALE 1 : 8
812530
44219
20740
20124
20744
19995-L
See Hydraulic
Multi-Coupler
Maintenance Page for
Replacement Parts
19867
19864
34150


DETAIL B
SCALE 1 : 8
18888-RD
20807
2702-08-08
18888-GR
18888-OR
20807
34030

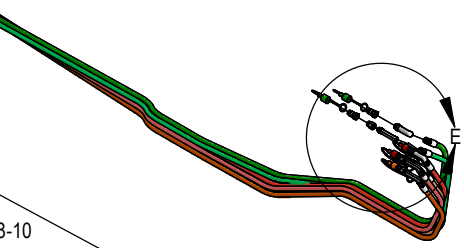

A
See Detail F for
correct hose locations
D
See Detail G for
correct hose
locations
44758
44771
44766
43888-2930
B
C


DETAIL D
SCALE 1 : 8
34950
44764
20611
15676-LL-8-10
19311-03-P-100
19312-03
44761
20043
18888-OR
15676-L-8-10
35C612
44249

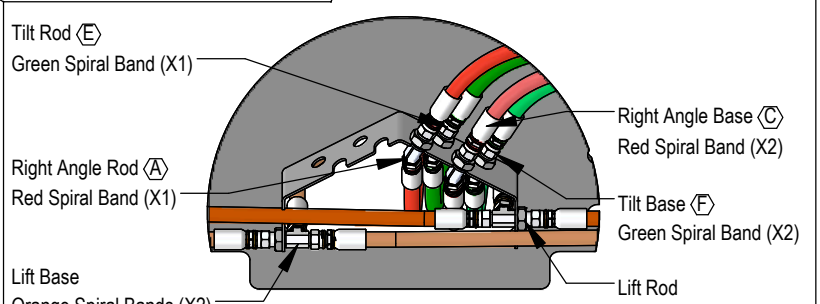

DETAIL E
SCALE 1 : 6
34342
3453
34342
6410-10-08
6801-LLL-08-08

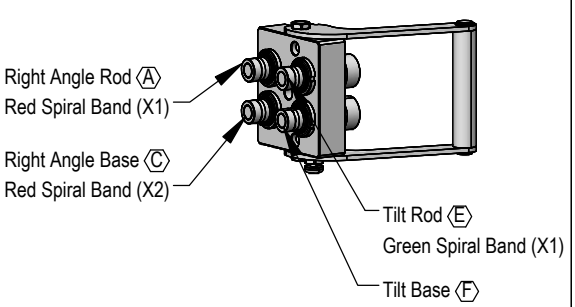


LIFT ONLY QTY.	NANT QTY.	NAHT QTY.	HANT QTY.	HAHT QTY.	PART NO.	DESCRIPTION
-	-	2	2	4	2702-08-08	Male JIC 45° Elbow Bulkhead Fitting (2702-8-8)
-	-	2	-	2	3453	Pioneer Dust Cap Tilt (Green)
-	-	-	2	2	3455	Pioneer Dust Cap Angle (Red)
2	2	2	2	2	3457	Pioneer Dust Cap Lift (Orange)
4	4	4	4	4	35C612	3/8" x 3/4" Flange Bolt
1	1	2	2	3	6410-10-08	O-Ring Reducer Expander (6410-10-08)
1	1	2	2	3	6801-LLL-08-08	Straight Thread 3X Long Elbow 90° JIC x O-Ring (6801-LLL-08-10)
2	2	2	2	2	15676-L-8-10	Straight Thread Long Elbow 90° JIC x O-Ring (6801-L-08-10)
3	3	4	4	5	15676-LL-8-10	Straight Thread Extra Long Elbow 90° JIC x O-Ring
-	-	12	-	12	18888-GR	-12 Green - Spiral Band
18	18	18	18	18	18888-OR	-12 Orange - Spiral Band
-	-	-	12	12	18888-RD	-12 Red - Spiral Band
2	2	4	4	6	19311-03-P-087	Half Hose Clamp
2	2	2	2	2	19311-03-P-100	Hose Clamp
4	4	6	6	8	19312-03	Twin Cover Plate
-	-	-	-	1	19864	Multi-Coupling Plate - 4 Port Fixed
-	-	-	-	1	19867	Multi-Coupling Plate - 4 Port - Cap
-	-	1	1	-	19868	Multi-Coupling Plate - 2 Port - Fixed
-	-	1	1	-	19871	Multi-Coupling Plate - 2 Port - Cap
-	-	1	1	1	19995-L	Multi-Coupler Mount
2	2	4	4	6	20042	5/16" X 3" Hex Bolt Gr 5 NC CZ
2	2	2	2	2	20043	5/16" X 3-1/4" Hex Bolt Gr 5 NC CZ
4	4	2	2	4	20124	1/2" X 1" Hex Bolt Gr 5 NC CZ
4	4	6	6	8	20611	5/16" Nyloc Hex Nut Gr 5 NC CZ
-	-	2	2	2	20740	1/4" Flat Washer CZ
4	4	2	2	4	20744	1/2" Flat Washer CZ
2	2	4	4	6	20791	5/16" Fender Washer (1.25" OD)
2	2	4	4	6	20807	3/4" Hex Jam Nut NF CZ
2	2	2	2	2	34030	Bulkhead Run Tee JIC
-	-	2	2	4	34150	Straight Thread Elbow 45° JIC x O-Ring
2	2	4	4	6	34342	Tappet Quick Coupler Male
2	2	2	2	2	34950	Zip / Cable Tie 120# 29"
2	2	4	4	6	43888-2930	293" (24.42") x 1/2" -8JIC/-8JIC Hose
2	2	2	2	2	44249	Plate, Option Cover
-	-	1	1	1	44219	Hose Guide Weld
-	-	2	2	4	44758	70.50" x 1/2" -8FJIC/-8FJIC Hose - 4000 PSI
1	1	1	1	1	44761	110.50" x 1/2" -8FJIC/-8FJIC Hose (w/1 Collar (47.50")) - 4000 PSI
1	1	1	1	1	44764	85.50" x 1/2" -8FJIC/-8FJIC Hose (w/1 Collar (33.25")) - 4000 PSI
1	1	1	1	1	44766	99.50" x 1/2" -8FJIC/-8FJIC Hose (w/1 Collar (47.50")) - 4000 PSI
1	1	1	1	1	44771	97" x 1/2" -8FJIC/-8FJIC Hose (w/1 Collar (34")) - 4000 PSI
-	-	2	2	2	812530	M8-1.25 x 30mm Class 10.9 Hex Bolt CZ



DETAIL F: View From Front of Undercarriage



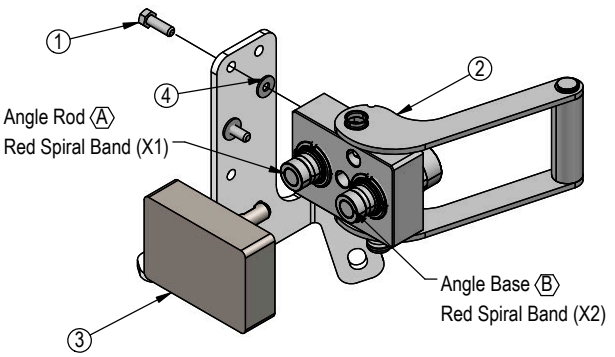


NOTE: All hoses are marked with colored spiral bands and should be attached to designated ports on multi-coupler

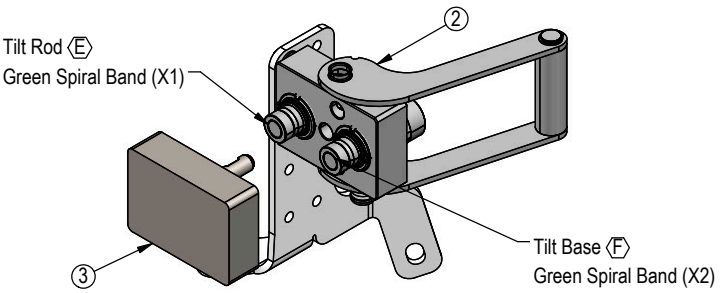
DWG. NO.: 44190, 44193, 44196, 44199, 44202

ITEM NO.	PART NO.	HANT QTY.	NAHT QTY.	DESCRIPTION
1	16-812525	2	2	8mm x 1.25mm x 25mm Metric Hex Bolt Gr 10.9
2	25-19868	1	1	Multi-Coupling Plate - 2 Port - Fixed
3	25-19871	1	1	Multi-Coupling Plate - 2 Port - Cap
4	57-20740	2	2	1/4" Flat Washer

HANT



NAHT



Note: Refer to Pages 8-10 for the correct hose lengths and hose location.

Note: All connections are identified by spiral bands. 2 bands are from the base end of a cylinder and 1 band is from the rod end of a cylinder. Orange = Lift, Green = Tilt and Red = Angle.

1. Connect the lift hoses to the lift cylinders.
2. Verify that hoses are not twisted and protected from rubbing on any sharp edges. See Pages 8-10 for proper hose routing.
3. Attach the multi-coupler to the top arm mount and install the 45° fittings.
4. Identify each remaining hose at the front of the undercarriage by the colored bands on end of hose and connect hose to corresponding 45° fitting on multi-coupler. Refer to Pages 8-10 for proper hose locations.
5. Hoses were plugged into the rear of the tractor during the undercarriage installation.
6. Continue below for initial startup instructions.

Prior to operating the blade system, all air must be purged from the hydraulic system. Follow the steps below for each function on your blade.

Lift Function:

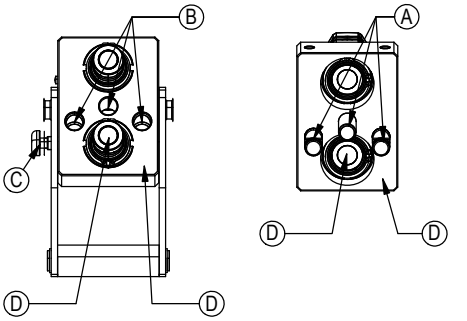
1. With the lift frame down and blocked, loosen the fittings on both ends of the lift cylinders.
2. Actuate the raise function to supply oil to the base end of the cylinders.
3. When oil starts to flow from the fittings, stop oil flow, and tighten the fitting on the base end of the lift cylinders.
4. Continue to flow oil until the system is fully raised and then block the lift frame.
5. Actuate the function in the opposite direction to supply oil to the rod end of the lift cylinders.
6. When all air is removed from the lift system, stop oil flow and tighten the fittings on the rod end of the lift cylinders.
7. Raise lift system and remove blocks. Cycle up and down 5 more times.
8. Check tractor oil level and fill if necessary.

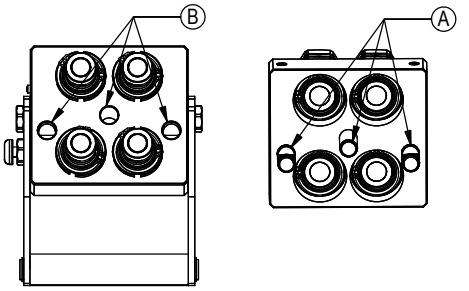
If lift function does not operate correctly, start over with Step #1 above and re-bleed. If problem still persists, call Grouser Products.

Before Each Use:

1. Disconnect the mobile half from the parking station and the cap from the fixed half.
2. Check that there is no contamination (salt, sand, dirt, etc.):
   - A. On the pins.
   - B. Inside the cam.
   - C. In the locking mechanism area.
   - D. On the face of the plates and couplings.
3. In case of contamination, remove it with a cloth and/or compressed air.
4. Check that there is still a lubricant/anti-corrosion (grease or silicone - see Note 1):
   - A. On the pins.
   - B. Inside the cam.
   - C. In the locking mechanism area.
5. Connect the mobile and fixed halves together.

Fixed Half **Mobile Half**





After Each Use:

1. Disconnect the mobile half from the fixed half.
2. Clean all contamination (salt, sand, dirt, etc.) from the following areas:
   - A. On the pins.
   - B. Inside the cam.
   - C. In the locking mechanism area.
   - D. On the face of the plates and couplings.

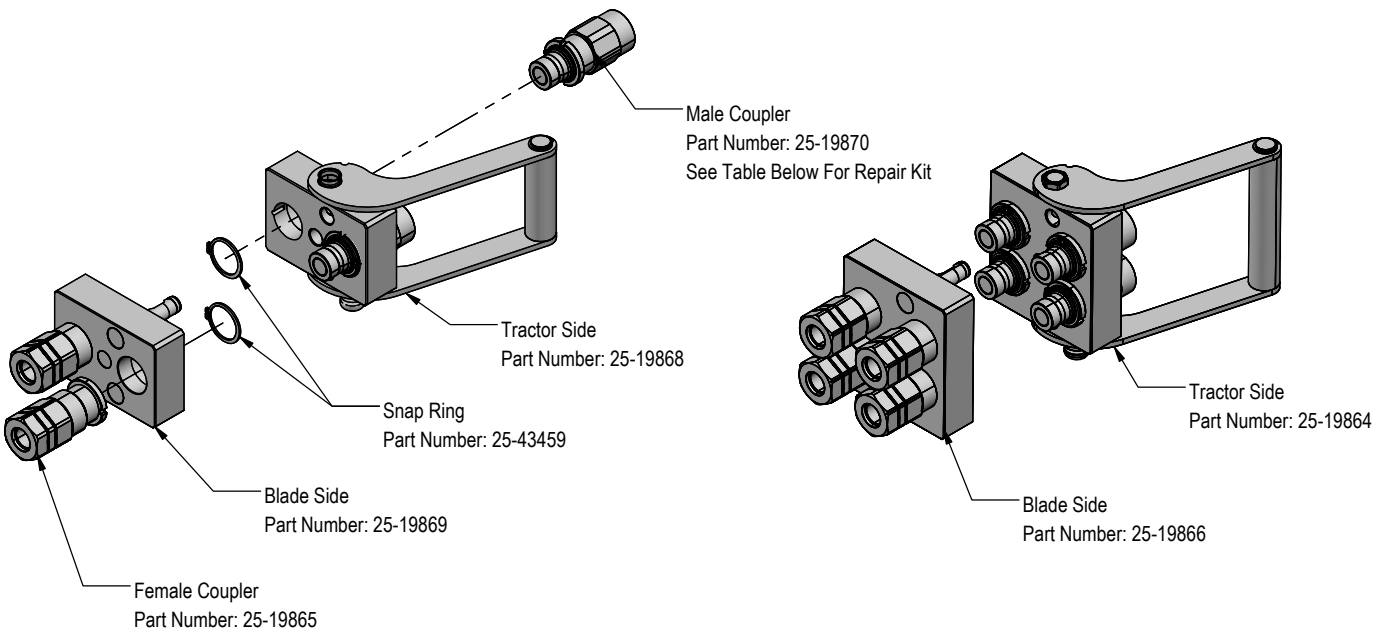
   *Use a cloth or compressed air. It is advised to not use water to clean these surfaces
3. Apply a lubricant/anti-corrosion (grease or silicone - see Note 1):
   - A. On the pins.
   - B. Inside the cam.
   - C. In the locking mechanism area.
4. Connect the cap to the fixed half and the mobile half to the parking station.

Note 1:

When sand and salt are present, or the plates under go a washdown, a heavy duty silicone spray lubricant should be used to replace grease from the factory. The lubricant should help protect from corrosion without collecting dust and contaminants, and will resist washing off when exposed to water.

Recommended Lubricant Brands:

Fluid Film (Aerosol or Non-Aerosol), LPS-2 Heavy Duty Lubricant, or CRC 3-36.



PN	Description
25-43425	Male Coupler O-Ring Repair Kit

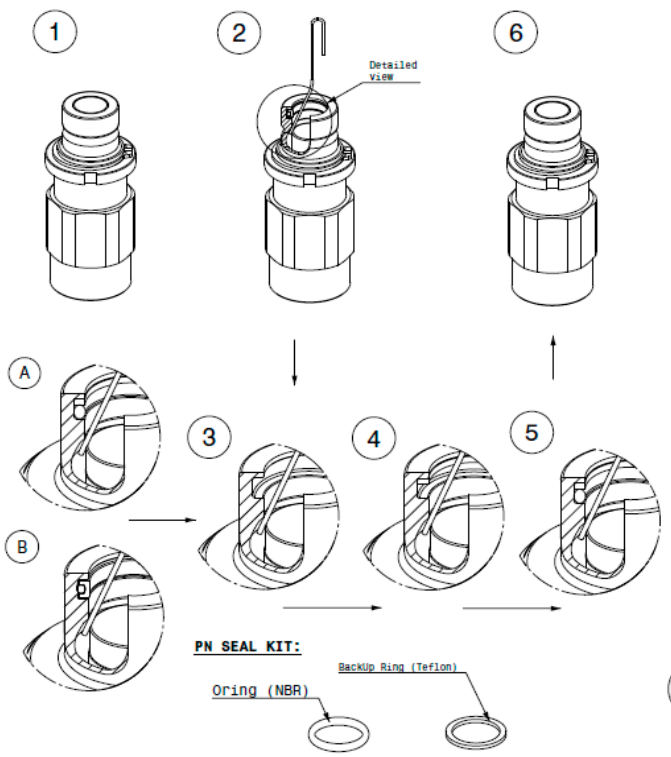
Cleaning The Male Interface Seal:

1. Make sure the coupling is securely fastened into the plate or place in a vice.
2. Using a blunt, non-marring tool, depress the valve face until the seal is exposed. Insert a bent metal wire between the valve face and the body of the coupling. Use caution not to damage or scratch the seal when inserting the wire.
3. Inspect the seal and interior surfaces for contamination.
4. In case of contamination, carefully wipe surfaces with a soft cloth, or use compressed air to blow the contamination out. Do Not press hard on the seal as contamination can scratch the seal surface.
5. Using a non-marring tool, depress the valve face and remove the metal wire. Release the valve to the flush position.

Cleaning The Female Bushing:

1. Make sure the coupling is securely fastened into the plate or place in a vice.
2. Using a non-marring tool, depress the outer ring to expose the bushing. There is no need to expose the valve seal, so stop pressing before the valve is opened.
3. Inspect the interior body and bushing surfaces for contamination.
4. In case of contamination, carefully wipe surfaces with a soft cloth, or use compressed air to blow the contamination out.
5. Release the outer ring so that it returns to the flush position.

MALE FAP - REPAIR KIT INSTRUCTIONS



DISASSEMBLING STEPS (see figures)

1. Place the coupling in a vice.
2. Bend positioning clip as shown.
   Using a blunt, non marring object, depress valve face until seals are exposed.
   Insert the positioning clip between valve face and body, captivating the valve face
3. Using an O-ring pick or similar device, remove the seal from retaining groove.
   Clean properly the retaining groove with a clean cloth.

Note: Some M FAP are originaly assembled with different seal technologies (see figures A and B) but both used O-ring and backUp ring as repalcement kit.

ASSEMBLING STEPS (see figures)

4. Insert the backup ring (4) in the seat and even with the use of a non sharpen tool.
   Place the BackUp ring on the superior shoulder of the seat in order to leave space for the O-ring (see figure 4).
5. Lubricate the O-ring with a fluid compatible with the seals compound.
   Warning: using non compatible fluid would compromise the efficency of the coupling.
6. Push the piston with a blunt, non marring tool and take the metal clip out.
   Release the piston.

FUNCTIONING CHECK
Assemble the male coupling with the female in order to check the functioning and check for leaks.

BY REPLACING THE SEALS, YOU REMOVE THE WARRANTY AND BECOME RESPONSIBLE FOR THE SAFETY AND THE EFFICIENCY OF THE COUPLING!

Leaking When Connected:

1. Male Coupler is the issue despite leakage visually appearing from either top or bottom of female coupler sleeve, the seal between the two halves is made from the male interface seal.

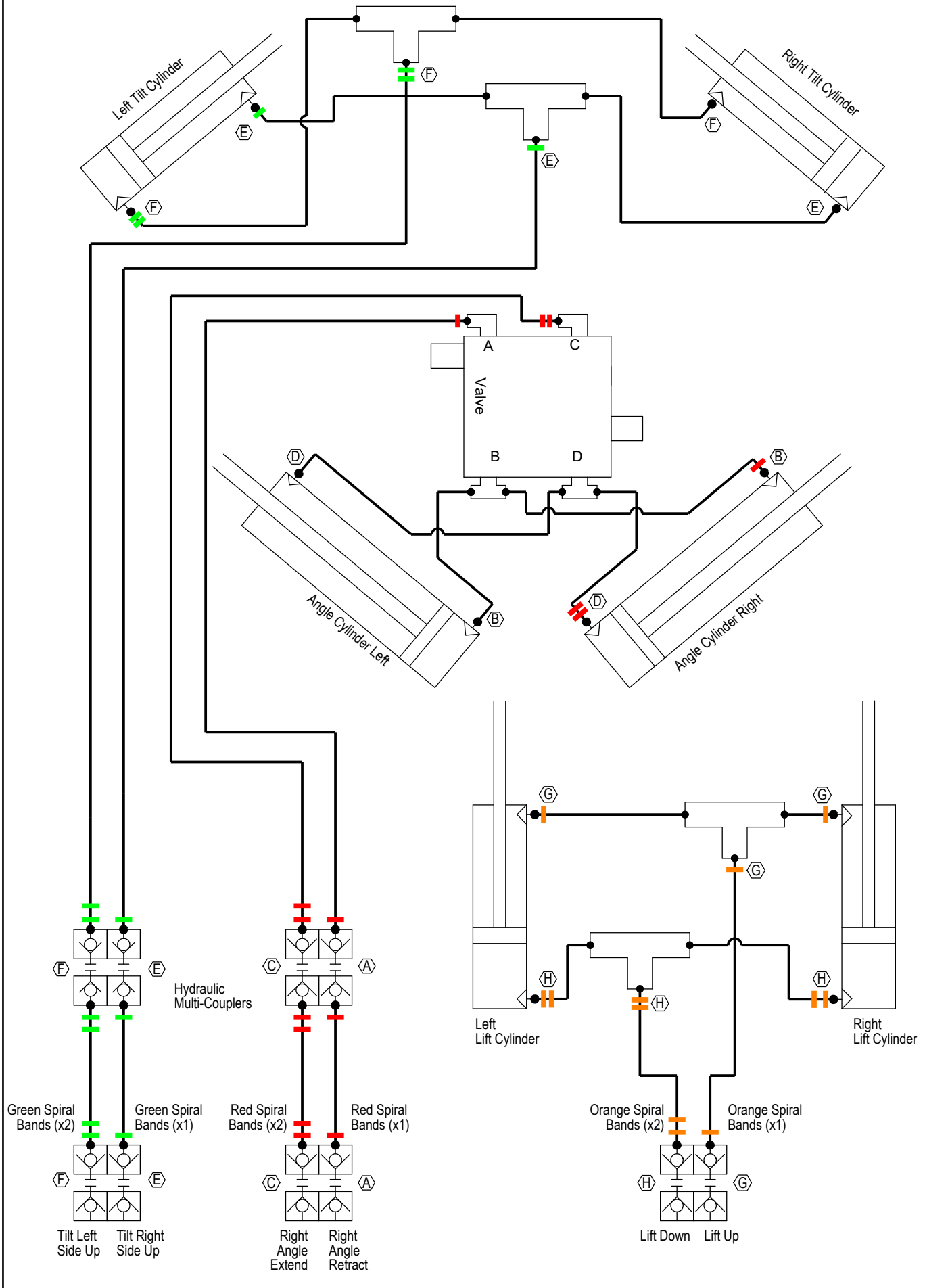
2. Root cause typically is contamination. Can be identified by pushing in piston on male and exposing male seal. If dirty, can be wiped clean and reconnected to test seal. Can also be cut or extruded either from contamination or dynamic pressure in circuit while connection/disconnection.

3. The male coupler can be completely replaced, or a cost-effective approach would be replacing with available O-Ring seal kits (See O-ring Repair Instruction on Page 13).

Leaking When Disconnected:

1. Leaking/weeping at face of male coupler - See Above.

2. Leaking/weeping at face of female coupler - Root cause is contamination creating a leak path on the valve stem seal. This may be viewed/cleaned/cleared by exposing the seal. This is done by pushing in the inner ring bushing with a flat head screwdriver or similar tool. Once pressed in, it will stop at the next spring point that opens the valve. Pressing with additional force on the tool will open the valve and expose the sealing area which is underneath the valve. If the seal is damaged or extruded and cleaning does not fix the leakage, a new female coupler is best option. Seal kits are not available.



Tractor Service Valve

Improvements

Grouser Products Inc. is continually striving to improve its products. We reserve the right to change prices, specification, or equipment at any time without notice. We also reserve the right to make improvements or changes when it becomes practical and possible to do so without incurring any obligation to make changes or additions to the equipment sold previously.

Warranty

Grouser Products warrants to the original purchaser of each item that the product be free from defects in material and workmanship under normal use and service for a period of **two (2) years for Agriculture Series Blades and one (1) year for Heavy Duty Series from date of original retail delivery.**

The obligation of the consumer under this warranty:

1. To read the operators manual and to operate, lubricate, maintain and store equipment in accordance with the instructions listed in the operators manual.
2. To inspect equipment and if any part needs repair or replacement when continued use would cause damage or wear to other parts or safety.
3. All equipment or parts claimed to be defective in material or workmanship must be made available for inspection at the place of business of a dealer authorized to handle the equipment covered by this warranty, or, upon request by Grouser Products, shipped to the Grouser Products factory in West Fargo, North Dakota.

The obligation of the dealer under this warranty:

1. Complete warranty registration form and submit within 30 days of sale.
2. Contact Grouser Products for authorization prior to performing any warranty repairs or part replacement.
3. Complete warranty request form and submit with photos and supporting documentation.

The obligation of Grouser Products under this warranty:

1. Repair or replace, any equipment or parts, in the judgment of Grouser Products to be defective in material or workmanship.
2. Grouser Products will cover the cost of parts and ground shipping at dealer invoice only.
3. Grouser Products shall have no obligation to bear the cost of labor or transportation in connection with replacement or repair of any such defective parts.

This warranty does not cover:

1. Depreciation or damage caused by normal wear, accident, improper assembly, improper adjustments.
2. Improper maintenance including lack of proper lubrication, or improper use. Including loose bolts, nuts, or fitting due to over tightening or vibration after 20 hours of operation.
3. Repairs or alterations without authorization from a Grouser Products representative.
4. Grouser Products shall have no liability if the equipment has been altered or reworked without the written authorization of Grouser Products.

Grouser Products' parts, which are furnished under this warranty and properly installed, shall be warranted to the same extent as the original parts under this warranty if, and only if, such parts are found to be defective within the original warranty period covering the original equipment.

NO EMPLOYEE OR REPRESENTATIVE OF GROUSER PRODUCTS IS AUTHORIZED TO CHANGE THE WARRANTY IN ANY WAY OR GRANT ANY OTHER WARRANTY.

Contact Us

As always, if you have any questions about your system or other products made by Grouser, feel free to contact us.

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