Unverferth®

Grain Handling & Fertilizer Spreader

50” / 42” EQUALIZER® TRACK SYSTEM

50” x 148” (4-Bogie) Equalizer Track System
Serial Number B38660100 & Higher

42” x 148” (4-Bogie) Equalizer Track System
Serial Number B39320100 & Higher

42” x 131” (2-Bogie) Equalizer Track System
Serial Number B39320100 & Higher

Part No. 267909

Foreward

This symbol identifies important safety messages. When you see it, read the message that follows and be alert to the possibility of personal injury.

Remember, safety instructions stated in this manual are for your protection. Read them carefully and follow them closely when working around or using this machine.

Read and study this manual completely before attempting to operate this implement. Take this manual to the field for handy reference when operating, adjusting, or servicing your machine.

When referenced, “Right-Hand” (RH) and “Left-Hand” (LH) side of the machine are determined by standing behind the machine and facing in the direction of travel.

Product Information

When ordering parts or when requesting further information or assistance, always give the following information:

- Machine name
- Model number
- Serial number of tracked undercarriage

All products manufactured by Unverferth Mfg. Co., Inc. are warranted to be free from material and workmanship defects for one full year from time of consumer delivery. Your local dealer will gladly assist you with any warranty questions.

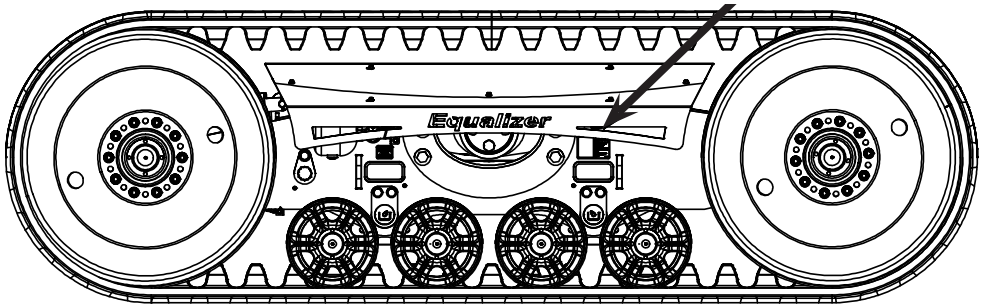
Please fill out and retain this portion for your records. The serial number plate is located on the frame as shown below.

Purchase Date _____Model _____Serial No._____

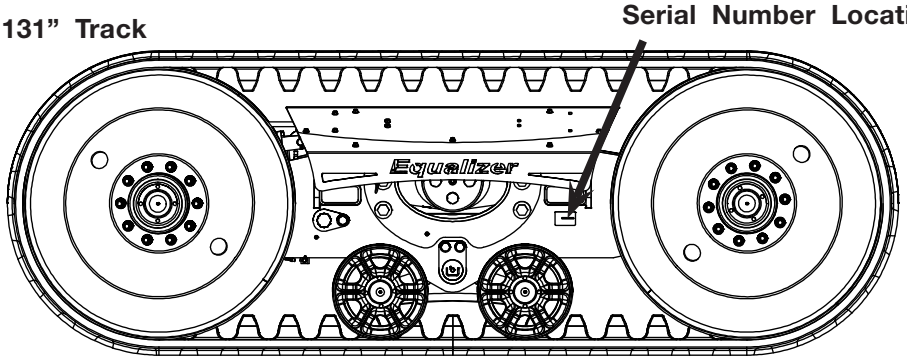
Dealer _____ City _____

Dealer Contact _____ Phone _____

148" Track



131" Track



IMPORTANT

- *The information, specifications, and illustrations in the manual are based on information available at the time it was written. Due to continuing improvements in the design and manufacture of Unverferth products, all specifications and information contained herein are subject to change without notice.*

Table of Contents

Section I
Safety

Section II
Set Up

Section III
Operation

Table of Contents

Section IV
Maintenance

Table of Contents

Section V
Parts

Section I
Safety

General Hazard Information

No accident-prevention program can be successful without the wholehearted cooperation of the person who is directly responsible for the operation of the equipment.

A large number of accidents can be prevented only by the operator anticipating the result before the accident is caused and doing something about it. No power-driven equipment, whether it be transportation or processing, whether it is on the highway, in the field, or in the industrial plant, can be safer than the person who is at the controls. If accidents are to be prevented--and they can be prevented--it will be done by the operators who accept the full measure of their responsibility.

It is true that the designer, the manufacturer, and the safety engineer can help; and they will help, but their combined efforts can be wiped out by a single careless act of the operator.

It is said that, “the best kind of a safety device is a careful operator.” We, at Unverferth Mfg. Co., Inc. ask that you be that kind of operator.

REMEMBER:

THINK SAFETY

A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST AN ACCIDENT!

SIGNAL WORDS

INDICATES AN EXTREMELY HAZARDOUS SITUATION OR ACTION THAT WILL RESULT IN SERIOUS INJURY OR DEATH.

INDICATES A HAZARDOUS SITUATION OR ACTION THAT COULD RESULT IN SERIOUS INJURY OR DEATH.

INDICATES AN UNSAFE SITUATION OR ACTION THAT MAY RESULT IN PERSONAL INJURY.

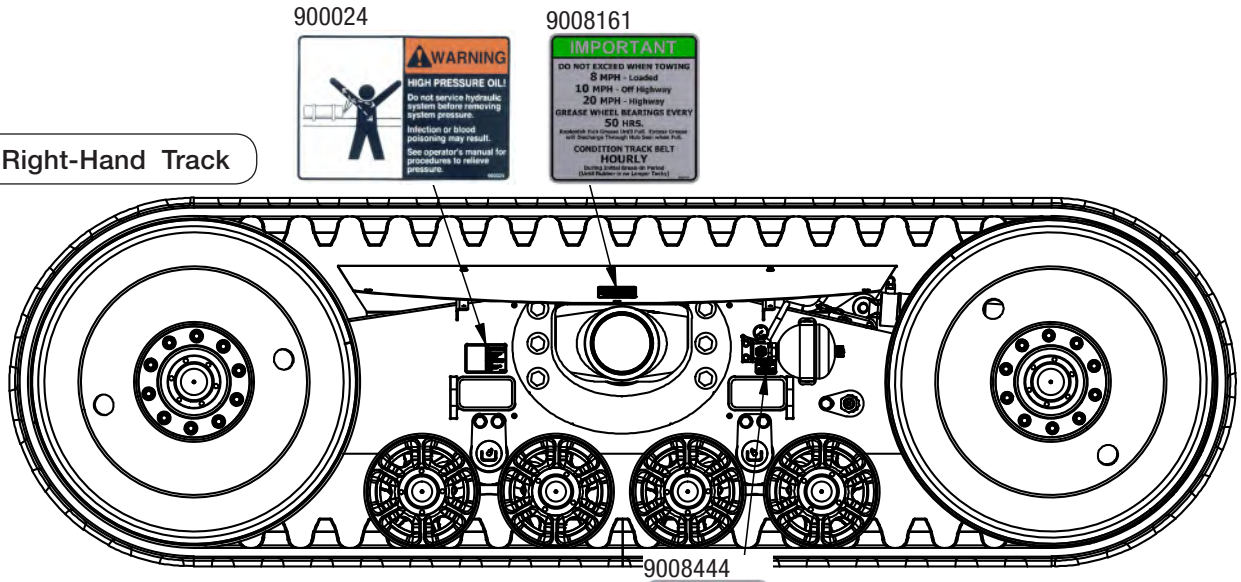
Is used for instruction on operating, adjusting, or servicing a machine.

Safety Decals

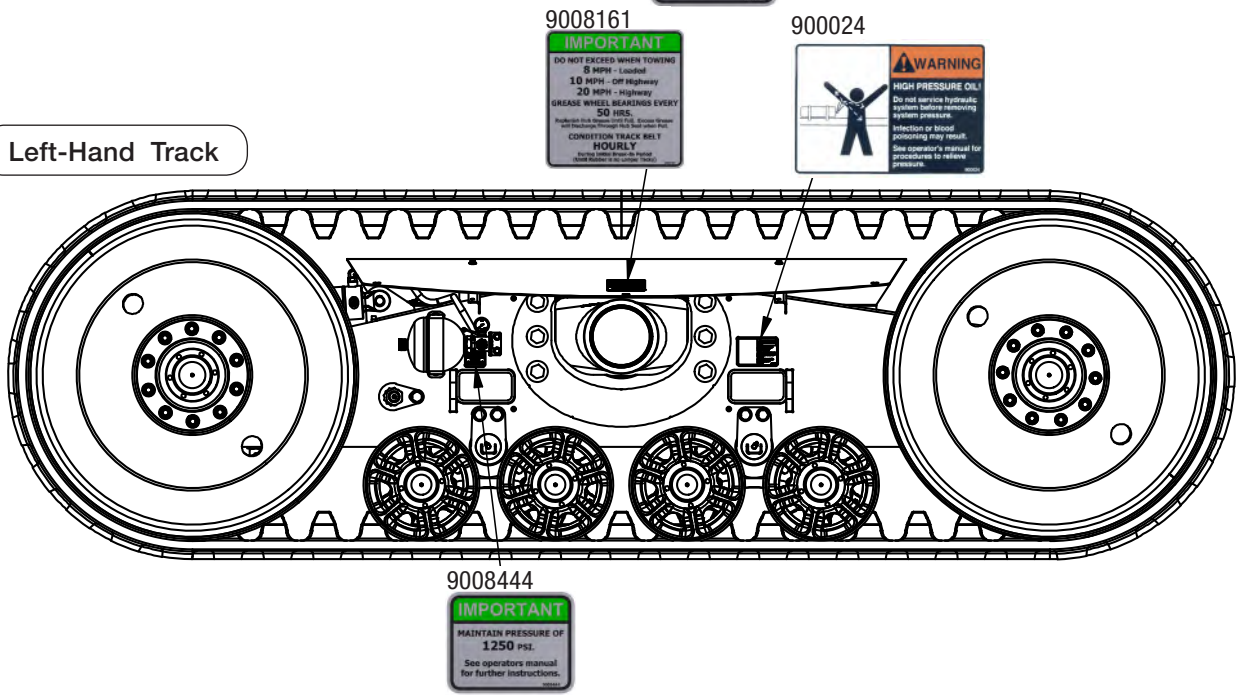
148” Long Track

Shown Less Debris Deflector

Right-Hand Track



Left-Hand Track



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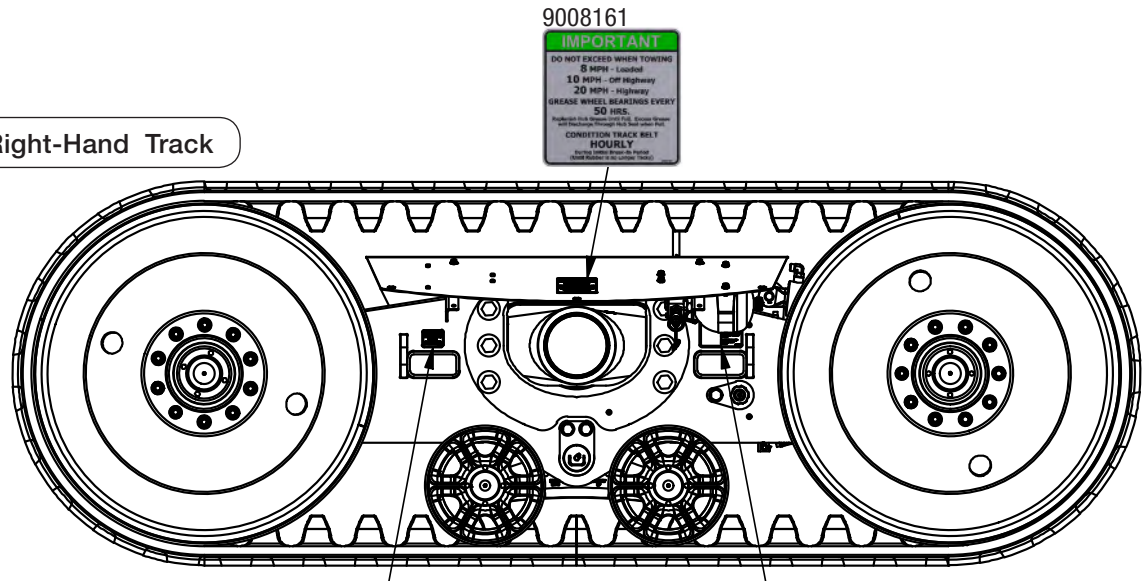
Safety Decals

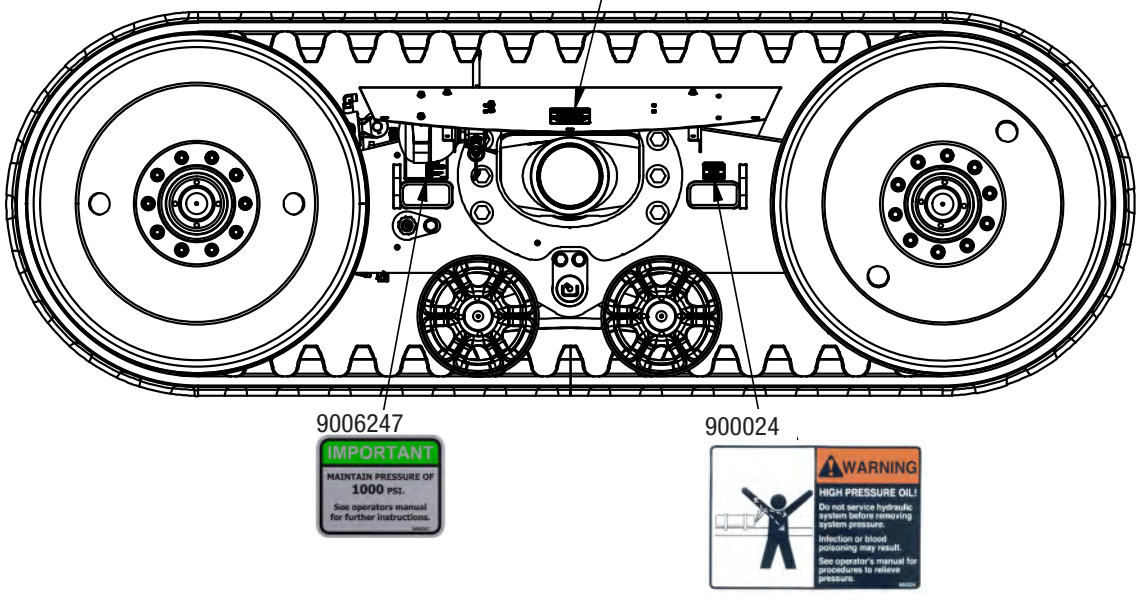
131” Long Track

Shown Less Debris Deflector

Right-Hand Track



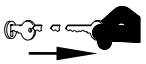
Left-Hand Track



Following Safety Instructions

- Read and understand this operator's manual before operating.

- All machinery should be operated only by trained and authorized personnel.
- To prevent machine damage, use only attachments and service parts approved by the manufacturer.
- Always shut tractor engine off and remove key before servicing.



- Avoid personal attire such as loose fitting clothing, shoestrings, drawstrings, pants cuffs, long hair, etc., that may become entangled in moving parts.
- Do not allow anyone to ride on the implement. Make sure everyone is clear before operating machine or towing vehicle.

Before Servicing

- Avoid working under an implement; however, if it becomes absolutely unavoidable, make sure the implement is safely blocked.

- Ensure that all applicable safety decals are installed and legible.

Before Operating

- Always make certain everyone and everything is clear of the machine before beginning operation.
- Verify that all safety shields are in place and properly secured.

- Ensure that all applicable safety decals are installed and legible.

During Operation

- Regulate speed to field conditions. Maintain complete control at all times.
- Never service or lubricate equipment when in operation.
- Use extreme care when operating close to ditches, fences, or on hillsides.
- Do not leave towing vehicle unattended with engine running.

Before Transporting

- This implement may not be equipped with brakes. Ensure that the towing vehicle has adequate weight and braking capacity to tow this unit.

During Transport

- Regulate speed to road conditions and maintain complete control.
- Maximum transport speed of this implement should never exceed 20 m.p.h. as indicated on the machine. Maximum transport speed of any combination of implements must not exceed the lowest specified speed of the implements in combination. Do not exceed 10 m.p.h. during off-highway travel.
- Slow down before making sharp turns to avoid tipping. Drive slowly over rough ground and side slopes.
- It is probable that this implement is taller, wider and longer than the towing vehicle. Become aware of and avoid all obstacles and hazards in the travel path of the equipment, such as power lines, ditches, etc.

Pressurized Oil

- Relieve the hydraulic system of all pressure before adjusting or servicing. See hydraulic power unit manual for procedure to relieve pressure.
- High-pressure fluids can penetrate the skin and cause serious injury or death. Seek medical treatment immediately if injured by high-pressure fluids. Use cardboard or wood to detect leaks in the hydraulic system.
- Accumulators maintain pressure in hydraulic system. Do not service hydraulic system without first discharging hydraulic pressure in accumulator. Verify accumulator pressure gage reads zero after relieving pressure.
- Hydraulic system must be purged of air before operating to prevent serious injury or death. See cart operator’s manual for procedure to purge air from hydraulic system.
- Do not bend or strike high-pressure lines. Do not install bent or damaged tubes or hoses.
- Repair all oil leaks. Leaks can cause fires, personal injury, and environmental damage.
- Route hoses and lines carefully to prevent premature failure due to kinking and rubbing against other parts. Make sure that all clamps, guards and shields are installed correctly.
- Check hydraulic hoses and tubes carefully. Replace components as necessary if any of the following conditions are found:
    - End fittings damaged, displaced, or leaking.
    - Outer covering chafed/cut or wire reinforcing exposed.
    - Outer covering ballooning locally.
    - Evidence of kinking or crushing of the flexible part of a hose.

Preparing for Emergencies

- Keep a first aid kit and properly rated fire extinguisher nearby.

- Keep emergency numbers for fire, rescue, and poison control personnel near the phone.

Wearing Protective Equipment

- Wear clothing and personal protective equipment appropriate for the job.

- Wear steel-toed shoes when operating.

- Wear hearing protection when exposed to loud noises.

- Do not wear additional hearing impairing devices such as radio headphones, etc.

Notes

Section II
Set Up

Conditioning Tracks Prior to Initial Use

New tracks require conditioning. New rubber tracks, fresh from the mold, are tacky. This is a standard consequence of the vulcanization (curing) process. This will cause additional heat build up, premature wear, and occasionally galling of the inner surface. New tracks MUST be conditioned, as follows:

1. Spread a thin layer of talc, dirt, floor dry, or other non-caustic dust over the inside of the new track.
2. Drive the empty unit for a brief period to spread dust all over the inside of the track.
3. Inspect the inner surface of the track, if any tacky spots remain, repeat steps 1 and 2.
4. Verify track alignment. Refer to MAINTENANCE section.

Conditioning the track is necessary only once, when the track is first installed on its undercarriage.

Tracks Auto-Greaser Set Up

For tracks Auto-Greaser set up and to fill grease lines, refer to tracks Auto-Greaser manual (282986).

Section III
Operation

Track Operation

⚠ WARNING

- **HIGH-PRESSURE FLUIDS CAN PENETRATE THE SKIN AND CAUSE SERIOUS INJURY OR DEATH. SEEK MEDICAL TREATMENT IMMEDIATELY IF INJURED BY HIGH-PRESSURE FLUIDS. USE CARDBOARD OR WOOD TO DETECT LEAKS IN THE HYDRAULIC SYSTEM.**
- **ACCUMULATORS USED IN THIS HYDRAULIC SYSTEM CAN RETAIN FLUID UNDER PRESSURE EVEN AFTER TRACTOR HYDRAULIC VALVE IS PLACED IN FLOAT. SEE TRACTOR OPERATOR’S MANUAL FOR PROPER PRESSURE RELIEF PROCEDURE. APPLY PRESSURE RELIEF PROCEDURE FOR AT LEAST 20 SECONDS AFTER CYLINDER(S) HAVE STOPPED MOVING.**
- **DO NOT PUNCTURE OR DENT SHELL AND DO NOT WELD NEAR ACCUMULATOR.**

NOTE: Check track hydraulic pressure daily and maintain recommended pressure shown in chart below.

Track Tension	
50” Track	1,250 PSI
42” Track	1,000 PSI

For the 50” tracks, the accumulator is pre-charged to 1,120 PSI, and the hydraulic system is precharged with nitrogen to 1,250 PSI.

For the 42” tracks, the accumulator is pre-charged to 850 PSI, and the hydraulic system is precharged with nitrogen to 1,000 PSI.

Do not break fittings in accumulator. The accumulator itself is under pressure at all times. Once connected into the hydraulic system, the accumulator will maintain pressure in the system until pressure is relieved by the tractor’s hydraulic system.

The cart is not equipped with brakes. Ensure that the towing vehicle has adequate weight and braking capacity to tow this implement. Never tow a loaded grain cart over public roads.

Do not exceed 10 m.p.h. during off-highway. Do not exceed 8 m.p.h. when cart is fully loaded.

Regulate speed to road conditions. Maximum speed should never exceed 20 m.p.h.

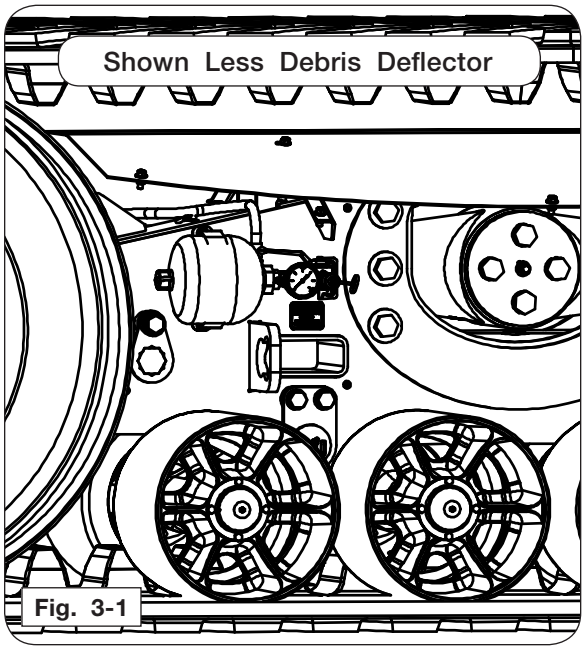


Fig. 3-1

Reduce speed prior to turning to avoid risk of tipping over.

IMPORTANT

- *To maximize the life of the tracks, wide turns should be made whenever possible.*
- *To avoid belt damage, do not exceed 8 m.p.h. when loaded.*
- *Freezing mud/snow can cause damage to track components. Clear mud and snow out of the inside of track belt, between wheels and guide lug area before mud can potentially freeze.*

Do not grease or oil the equipment while in operation.

Track Operation (continued)

Track Tensioning & Detensioning

⚠ WARNING

- **HIGH-PRESSURE FLUIDS CAN PENETRATE THE SKIN AND CAUSE SERIOUS INJURY OR DEATH. SEEK MEDICAL TREATMENT IMMEDIATELY IF INJURED BY HIGH-PRESSURE FLUIDS. USE CARDBOARD OR WOOD TO DETECT LEAKS IN THE HYDRAULIC SYSTEM.**
- **ACCUMULATORS USED IN THIS HYDRAULIC SYSTEM CAN RETAIN FLUID UNDER PRESSURE EVEN AFTER TRACTOR HYDRAULIC VALVE IS PLACED IN FLOAT. SEE TRACTOR OPERATOR’S MANUAL FOR PROPER PRESSURE RELIEF PROCEDURE. APPLY PRESSURE RELIEF PROCEDURE FOR AT LEAST 20 SECONDS AFTER CYLINDER(S) HAVE STOPPED MOVING.**
- **DO NOT PUNCTURE OR DENT SHELL AND DO NOT WELD NEAR ACCUMULATOR.**

The accumulator in the hydraulic system is precharged with nitrogen to a very high pressure. Do not break fittings in accumulator. The accumulator itself is under pressure at all times. Once connected into the hydraulic system, the accumulator will maintain pressure in the system until pressure is relieved by the tractor’s hydraulic system.

Your track undercarriage came with a track tensioner hydraulic hose kit. If you need a replacement, please contact your dealer.

1. Park the empty cart on a firm, level surface. Set the tractor’s parking brake, shut-off the engine, and remove the ignition key. Do not block tracks on cart.

2. Make sure the valve on the tensioner kit is in the closed position. The valve is closed when the handle is 90 degrees to the coupler, parallel to the side of the track frame.

3. Attach pressure and return couplers to the tractor and the female coupler to the track. See Fig. 3-3.

4. For tensioning, proceed to step 5. For detensioning, see “Detensioning” later in this section.

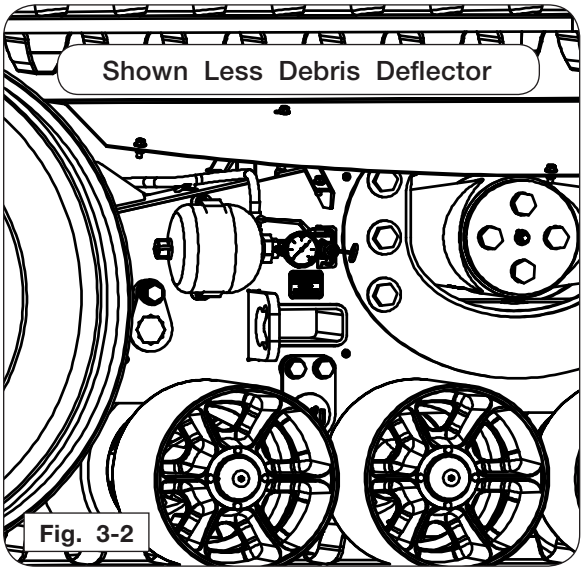


Fig. 3-2

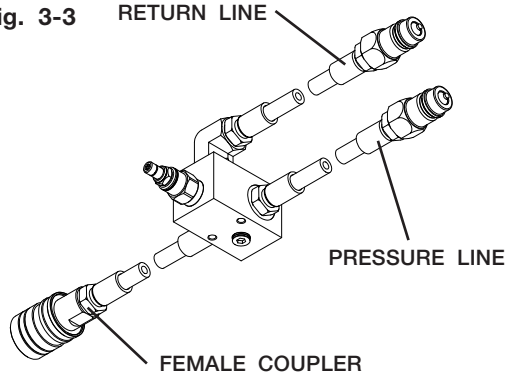


Fig. 3-3

Track Operation (continued)

Tensioning

5. Set tractor SCV to 5 gpm maximum.

NOTE: Exceeding 5 gpm will result in inaccurate track tensioning and poorly performing track accumulator.

6. Start tractor and use SCV to pressurize line as shown in Fig. 3-3. The valve in the tensioner hose will regulate the pressure for the track.

7. Open the 90 degree shut-off valve on the track frame. Read pressure gauge on track frame. See Fig. 3-4.

NOTE: Valve is open when handle is parallel to hydraulic fitting. Valve is closed when handle is parallel to track frame. (Fig. 3-4)

8. Adjust track pressure by turning relief valve on tensioner hose kit. First, loosen the 9/16” jam nut. Then, use a 5/32” hex driver to adjust the set screw. Adjust slowly while watching the pressure gauge. (Fig. 3-5)

NOTE: If system does not hold pressure, it is possible there is air in the system. Follow steps 5-8 but leave the track valve open and cycle the hydraulics on the tractor from extend to float. Engage the hydraulics long enough to completely tension the track then switch it to float and allow the track to detension. Repeat these steps 3 to 4 times then retension and close the track valve.

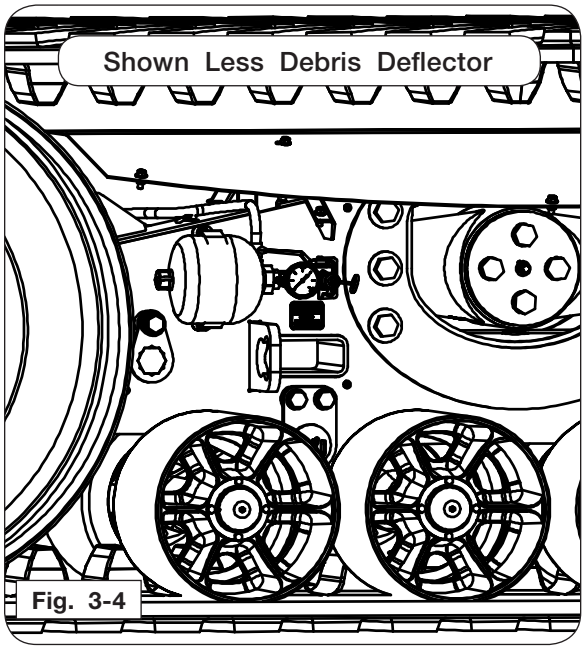


Fig. 3-4

NOTE: 50” tracks require 1250 PSI and 42” tracks require 1000 PSI.

NOTE: Turn 5/32” set screw clockwise to increase pressure. Counter-clockwise to decrease pressure. (Fig. 3-5)

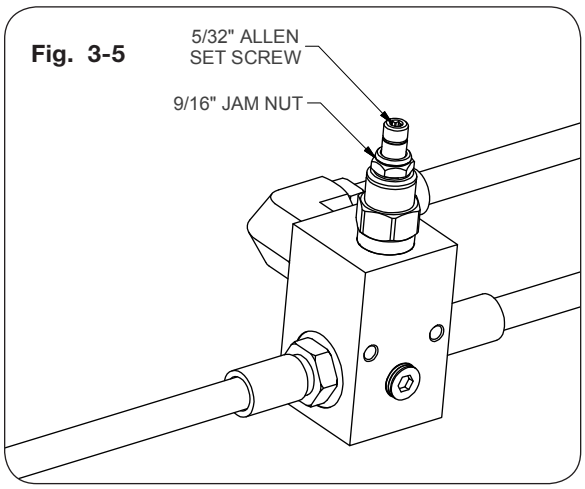


Fig. 3-5

9. Once proper track pressure is achieved, lock the set screw by tightening the 9/16” jam nut and then close 90 degree shut-off valve. (Fig. 3-5)

10. Relieve pressure on tractor SCV. See tractor operator’s manual for procedure.

11. Remove track tensioner hose from track frame and replace cover.

12. Store track tensioner hose kit in a dry, clean place.

Track Operation (continued)

Detensioning

1. Install the tensioner hose to the track valve and to the tractor BEFORE opening the track valve.

2. Open valve on track frame and set tractor SCV for pressure-free drain. See tractor operator’s manual for pressure relief procedure.

NOTE: Valve is open when handle is parallel to hydraulic fitting. Valve is closed when handle is parallel to track frame. (Fig. 3-4)

3. Allow track to detension for 5 minutes.

4. Close valve on track, and make sure there is no pressure in the hydraulic line.

5. Turn off tractor and remove hose.

Notes

Section IV
Maintenance

Lubrication

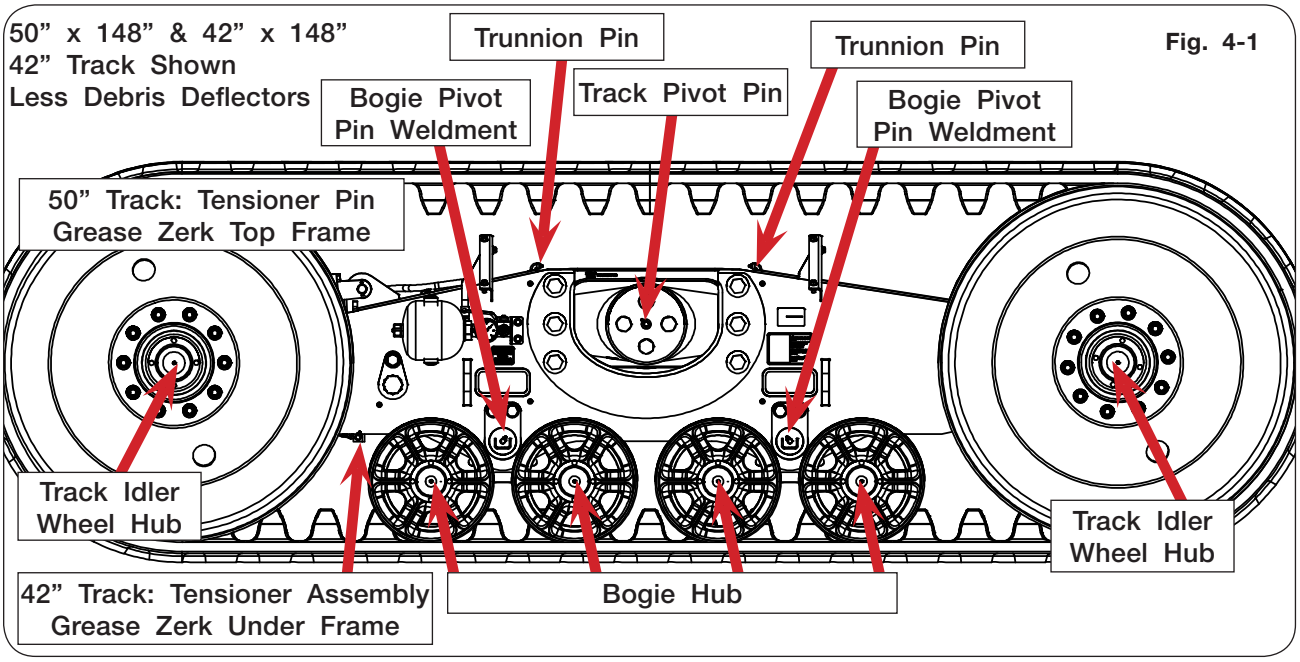


Fig. 4-1

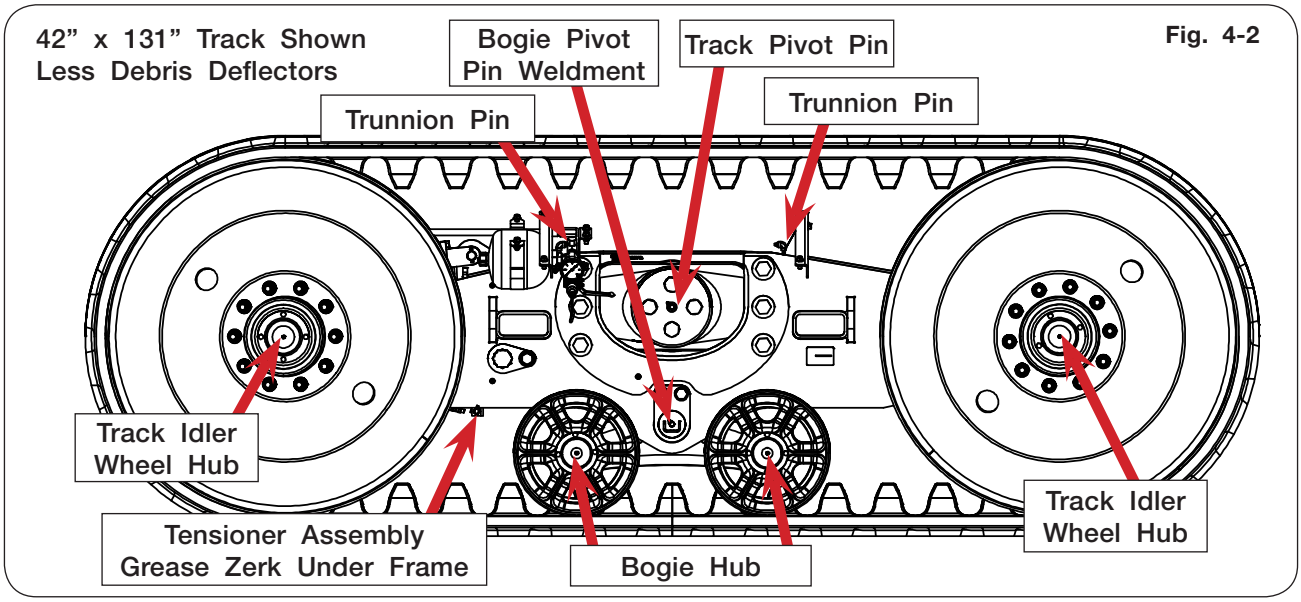


Fig. 4-2

DESCRIPTION	POINTS	LUBRICANT	QTY	HOURS
Track Idler Wheels and Bogie Hubs	8 (Two-Bogie) 12 (Four-Bogie)	EP-2	2 Shots	Weekly* (50 - 75 Hours)
			Repack	2 Years

* If operating in wet or muddy conditions grease Daily (10 - 15 Hours).

DESCRIPTION	POINTS	LUBRICANT	QTY	HOURS
Bogie Pivot, Trunnion Pin, Tensioner Pin, Track Pivot Pin	Connects to the Auto-Greaser			

Alignment

⚠ WARNING

- **ENTANGLEMENT WITH MOVING PARTS CAN CAUSE SERIOUS INJURY OR DEATH. USE EXTREME CARE WHEN INSPECTING AND ADJUSTING BELT TRACKING. AVOID PERSONAL ATTIRE SUCH AS LOOSE FITTING CLOTHING, SHOESTRINGS, DRAW-STRINGS, PANTS CUFF, LONG HAIR, ETC., THAT MAY BECOME ENTANGLED IN MOVING PARTS.**
- **EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHILE SERVICING IMPLEMENT.**
- **KEEP HANDS CLEAR OF PINCH POINT AREAS.**
- **TIPPING OR MOVEMENT OF THE MACHINE CAN CAUSE SERIOUS INJURY OR DEATH. BE SURE MACHINE IS SECURELY BLOCKED.**

The maintenance criteria listed below are very important for proper track operation. Follow these recommendations before and during the adjustment process as necessary.

Check these items every day to prevent undue wear to wheels and track.

All tracks have been factory adjusted. But as the tracks wear and cure, they may need to be realigned. If wear is noticed on the guide lugs, follow the instructions for realignment.

NOTE: Tracks can be adjusted while tensioned.

1. Verify track tension is set properly. Refer to OPERATION section.
2. Drive cart for 1 mile minimum. Pull the cart in a straight line. Stop on hard, level, uniform surface.
3. Stop tractor. Place in PARK. Block the tracks on the cart to keep it from moving. Set the tractor’s parking brake, shut-off the engine, and remove the ignition key.
4. Check the alignment as follows: Space between guide lugs and inside of front/rear track idler wheels should be equal and guide lugs shoulders should be evenly warm. If spacing is equal and both sides of guide lug are evenly heated, tracks are in alignment. If spacing or heating is unequal, proceed to next step.
5. Remove the bolt retainer plate (282771B) and hardware. Retain these for reassembly. See Fig. 4-3.
6. Adjust the alignment bolt (267791 - 50” Tracks; 9006454 - 42” Tracks) in 1/2 turn increments. See Fig. 4-3.

NOTE: For current alignment, rotating the alignment bolt clockwise moves the track belt in towards cart. Turning alignment bolt counter clockwise moves the track belt out away from cart. Move the track away from the warmer side and towards the side with more gap.

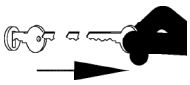
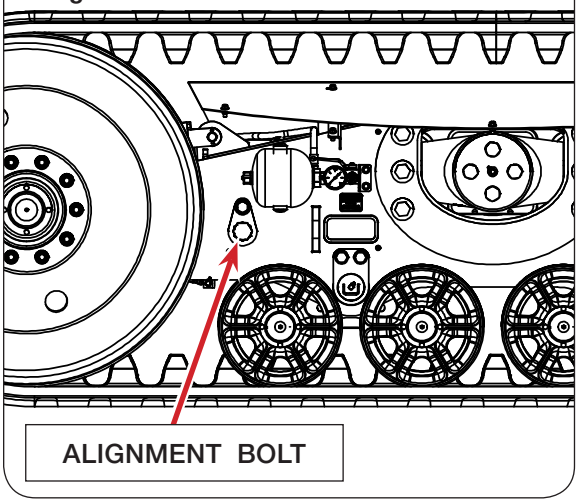


Fig. 4-3



(continued on next page)

Alignment (continued)

NOTE: For previous alignment with adjustment bolts on both inside and outside track frame, the alignment procedure is opposite. Turning outside bolt clockwise moves belt out away from cart, and turning inside bolt clockwise moves belt in toward cart.

7. Replace bolt retainer plate and hardware removed in step 5.

8. Repeat process beginning at step 1.

IMPORTANT

- *For new rubber belts, follow conditioning instructions in "Conditioning Tracks Prior to Initial Use" in SET UP section.*

Rotate Tracks if Required

In some applications, wear on the tracks can be uneven (due to extensive side hill operation, excessive camber, non-uniform load distribution, etc.). In applications where the undercarriage adjustments necessary to correct these uneven wear patterns do not exist, "rotation" of the tracks (from side to side) may maximize their service life. This is particularly true in situations where the track exhibits accelerated wear on either the extreme inboard or extreme outboard edges.

Maintenance

Track Tension Cylinder Replacement

⚠ WARNING

- **EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHILE SERVICING IMPLEMENT.**
- **KEEP HANDS CLEAR OF PINCH POINT AREAS.**
- **HIGH-PRESSURE FLUIDS CAN PENETRATE THE SKIN AND CAUSE SERIOUS INJURY OR DEATH. SEEK MEDICAL TREATMENT IMMEDIATELY IF INJURED BY HIGH-PRESSURE FLUIDS. USE CARDBOARD OR WOOD TO DETECT LEAKS IN THE HYDRAULIC SYSTEM.**
- **ACCUMULATORS USED IN THIS HYDRAULIC SYSTEM CAN RETAIN FLUID UNDER PRESSURE EVEN AFTER TRACTOR HYDRAULIC VALVE IS PLACED IN FLOAT. SEE TRACTOR OPERATOR’S MANUAL FOR PROPER PRESSURE RELIEF PROCEDURE. APPLY PRESSURE RELIEF PROCEDURE FOR AT LEAST 20 SECONDS AFTER CYLINDER(S) HAVE STOPPED MOVING.**
- **DO NOT PUNCTURE OR DENT SHELL AND DO NOT WELD NEAR ACCUMULATOR.**
- **FALLING OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT WORK UNDER THE MACHINE AT ANY TIME WHILE BEING HOISTED. BE SURE ALL LIFTING DEVICES AND SUPPORTS ARE RATED FOR THE LOADS BEING HOISTED. THESE ASSEMBLY INSTRUCTIONS WILL REQUIRE SAFE LIFTING DEVICES UP TO 25,000 LBS. FOR 2000 & 2500 BUSHEL CARTS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.**

The accumulator in the hydraulic system is precharged with nitrogen to a very high pressure. Do not break fittings in accumulator. The accumulator itself is under pressure at all times. Once connected into the hydraulic system, the accumulator will maintain pressure in the system until pressure is relieved by the tractor’s hydraulic system.

1. Park the empty cart on a firm, level surface. Set the tractor’s parking brake, shut off the engine, remove the ignition key and disconnect the PTO shaft and hydraulics from the tractor and cart.

2. Use a safe lifting device and support stands rated for cart weight plus 9,000 lbs. for the track assembly. See base cart operator manual for proper lifting procedures and add weight of track assembly to lifting device requirements.

3. Raise one side of the cart. Support with adequate blocking.

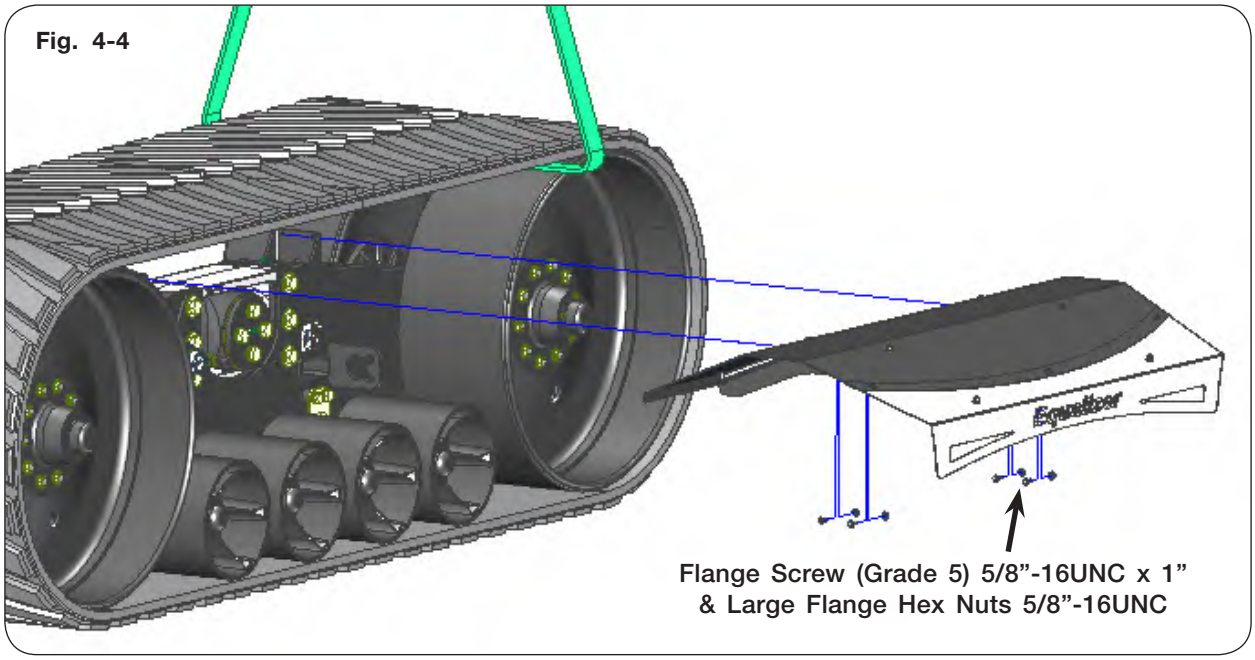
4. Detension track using procedure in OPERATION section of this manual.

Maintenance (continued)

Track Tension Cylinder Replacement (continued)

5. Remove debris deflector plates, brackets and hardware. Retain parts and hardware for reassembly. (Fig. 4-4)

Fig. 4-4



Maintenance (continued)

Track Tension Cylinder Replacement (continued)

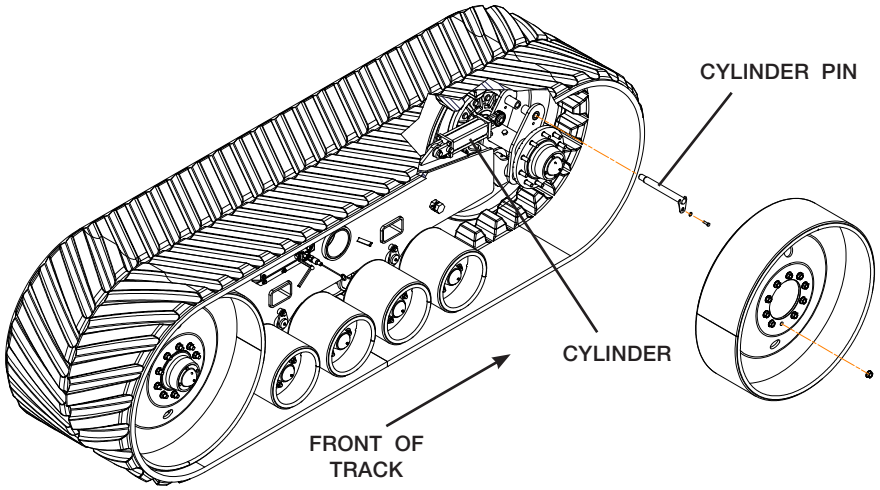
⚠ CAUTION

- **IMPROPERLY TORQUED WHEEL NUTS/BOLTS CAN CAUSE A LOSS OF IMPLEMENT CONTROL AND MACHINE DAMAGE. WHEEL NUTS/BOLTS MUST BE CHECKED REGULARLY. SEE WHEEL TORQUE DIAGRAM PAGE IN THE MAINTENANCE SECTION FOR PROPER WHEEL NUT/BOLT SPECIFICATIONS. WARRANTY DOES NOT COVER FAILURES CAUSED BY IMPROPERLY TORQUED WHEEL NUTS/BOLTS.**

6. Using a safe lifting device rated for 600 lbs., remove front outside idler wheel by removing nuts securing the wheel to the hub and pull the idler wheel away from the cart. (Fig. 4-5)

7. Remove rod end cylinder pin from the track tensioner by removing securing hardware. (Fig. 4-5)

Fig. 4-5



8. Remove hose and fitting from the top side of the cylinder, and plug with a 3/4”-16 O-ring port plug to prevent excess oil leakage.

9. Remove 90 degree hydraulic fitting from old cylinder and install on new cylinder paying special attention to alignment of 90 degree fitting.

10. Remove base end cylinder pin and replace cylinder using hardware previously removed.

11. Align, assemble and tighten hose fittings. Check hose routing clearance.

NOTE: Route hoses away from areas that may cause abrasion or kinking of hoses during operation.

12. Using a safe lifting device rated for 600 lbs., align idler wheel with the hub and attach using nuts previously removed.

13. Torque wheel nuts per torque diagram in the MAINTENANCE section.

14. Tension track according to procedure in OPERATION section.

15. Secure the deflector plates and brackets with hardware previously removed. See torque chart in MAINTENANCE section for proper tightening of hardware.

16. Lower cart to the ground and remove safe lifting device.

17. Reverify track alignment as per procedure in MAINTENANCE section.

Maintenance (continued)

Hub Seal Installation

When installing the seal, make sure the spring on the seal lip is facing the outside of the hub, closest to the seal guard. The seal guard will cover the seal using capscrews. (Fig. 4-6 and 4-7)

NOTE: The spring side of the seal must face the outside of the hub to allow the grease to purge. (Fig. 4-6 and 4-7)

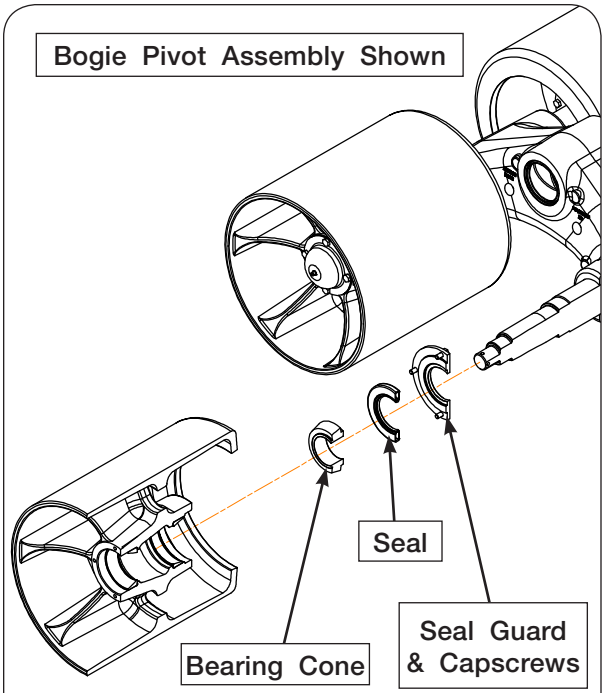
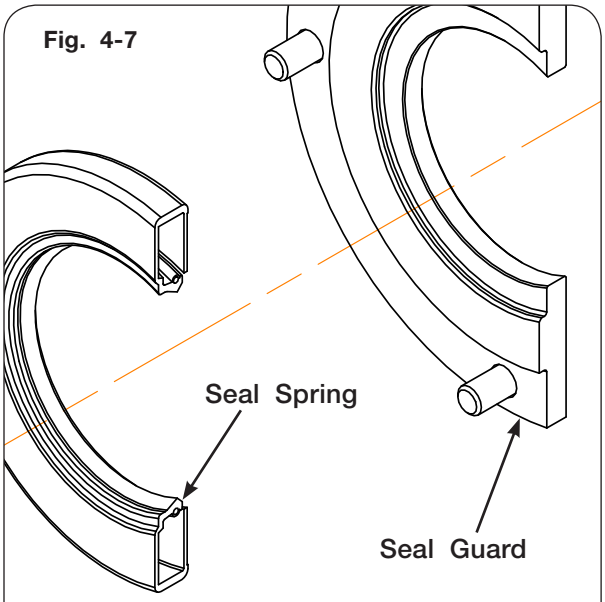


Fig. 4-6

Fig. 4-7



Be sure spring side of the seal faces outside of hub towards the seal guard.

Maintenance (continued)

Trunnion Replacement

⚠ WARNING

- **TIPPING OR MOVEMENT OF THE MACHINE CAN CAUSE SERIOUS INJURY OR DEATH. BE SURE MACHINE IS SECURELY BLOCKED.**
- **EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHILE SERVICING IMPLEMENT.**
- **KEEP HANDS CLEAR OF PINCH POINT AREAS.**
- **HIGH-PRESSURE FLUIDS CAN PENETRATE THE SKIN AND CAUSE SERIOUS INJURY OR DEATH. SEEK MEDICAL TREATMENT IMMEDIATELY IF INJURED BY HIGH-PRESSURE FLUIDS. USE CARDBOARD OR WOOD TO DETECT LEAKS IN THE HYDRAULIC SYSTEM.**
- **ACCUMULATORS USED IN THIS HYDRAULIC SYSTEM CAN RETAIN FLUID UNDER PRESSURE EVEN AFTER TRACTOR HYDRAULIC VALVE IS PLACED IN FLOAT. SEE TRACTOR OPERATOR’S MANUAL FOR PROPER PRESSURE RELIEF PROCEDURE. APPLY PRESSURE RELIEF PROCEDURE FOR AT LEAST 20 SECONDS AFTER CYLINDER(S) HAVE STOPPED MOVING.**
- **DO NOT PUNCTURE OR DENT SHELL AND DO NOT WELD NEAR ACCUMULATOR.**
- **FALLING OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT WORK UNDER THE MACHINE AT ANY TIME WHILE BEING HOISTED. BE SURE ALL LIFTING DEVICES AND SUPPORTS ARE RATED FOR THE LOADS BEING HOISTED. THESE ASSEMBLY INSTRUCTIONS WILL REQUIRE SAFE LIFTING DEVICES UP TO 38,000 LBS. FOR 2000 & 2500 BUSHEL CARTS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.**

The accumulator in the hydraulic system is precharged with nitrogen to a very high pressure. Do not break fittings in accumulator. The accumulator itself is under pressure at all times. Once connected into the hydraulic system, the accumulator will maintain pressure in the system until pressure is relieved by the tractor’s hydraulic system.

1. Park the empty cart on a firm, level surface. Set the tractor’s parking brake, shut off the engine, remove the ignition key and disconnect the PTO shaft and hydraulics from the tractor and cart.

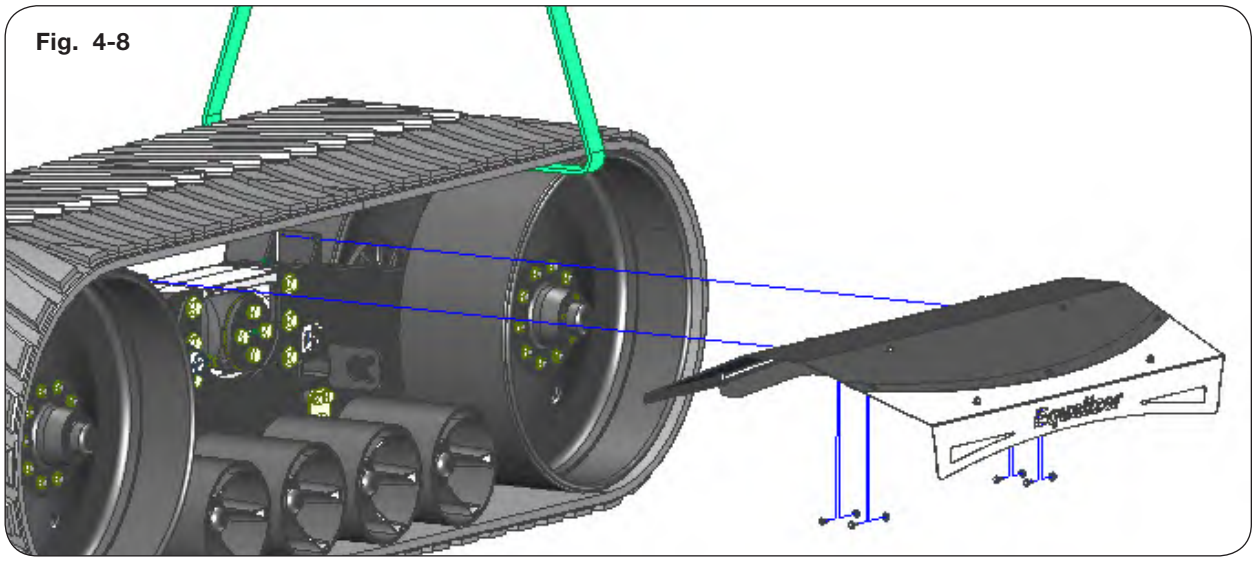
2. Use a safe lifting device and support stands rated for cart weight plus 9,000 lbs. for the track assembly. See base cart operator manual for proper lifting procedures and add weight of track assembly to lifting device requirements.

3. Raise one side of the cart. Place equally rated lifting devices under the axle nearest to the track that will be removed.

Maintenance (continued)

4. Remove debris deflector plates, brackets and hardware. Retain parts and hardware for reassembly. (Fig. 4-8).

Fig. 4-8



5. Detension track using procedure in OPERATION section of this manual.

6. Disconnect Auto Greaser hoses from track assembly, marking each line so it can be reassembled in the correct position.

NOTE: It is critical the hose to the main pivot pin be placed in the correct location as this gets a different amount of grease than the others.

7. Using safe lifting devices rated at 38,000 lbs., raise the track off the ground.

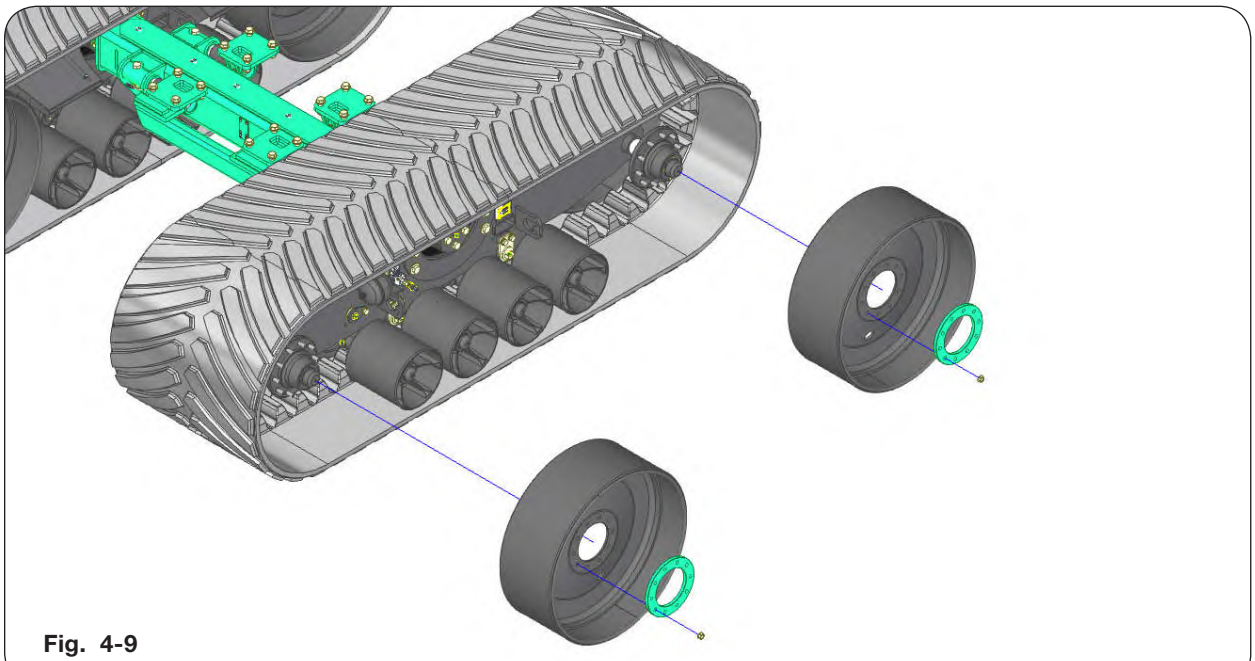


Fig. 4-9

8. Using a safe lifting device rated at 600 lbs., remove front and rear outside idler wheels. Retain parts and hardware for reassembly. (Fig. 4-9)

Maintenance (continued)

9. Using a safe lifting device rated at 3,000 lbs., remove the track belt and pull the track belt away from the track assembly. (Fig. 4-10)

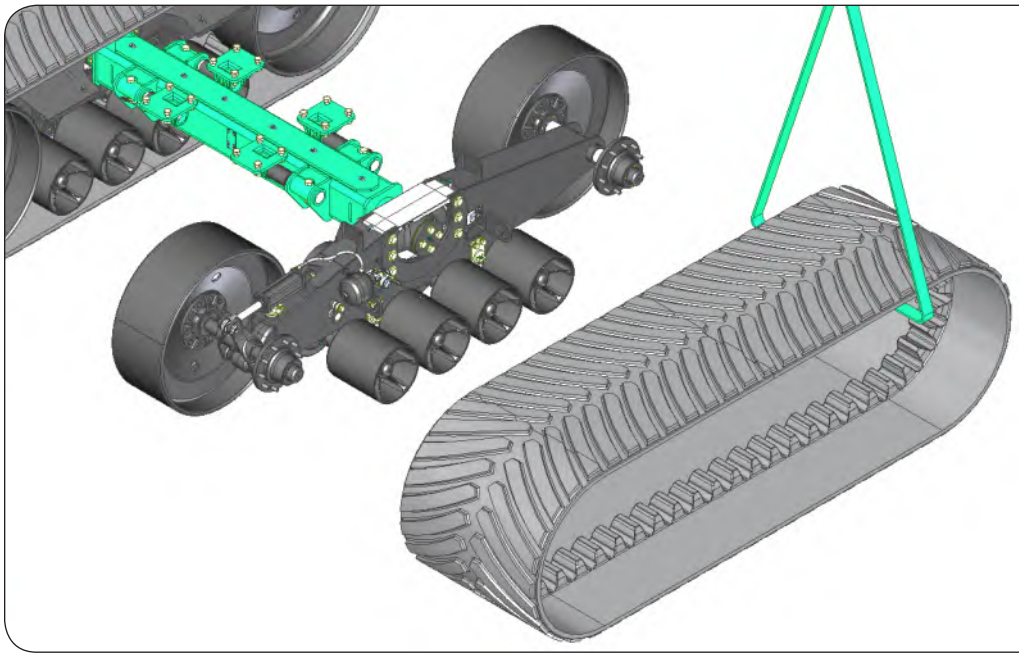


Fig. 4-10

10. Remove the pivot shaft plate cover and retaining hardware as shown in Fig. 4-11. Keep parts for reassembly.

11. Using a safe lifting device rated at 6,000 lbs., pull the track away from the cart. (Fig. 4-11)

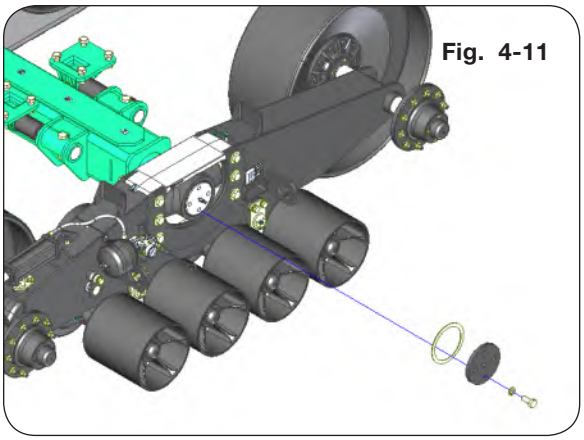


Fig. 4-11

12. Remove the six 1”-8UNC x 10 1/2” cap-screws, twelve 1” flat washers (9405-118), and six 1”-8UNC locknuts (92199) holding the trunnion housing to the track frame. Keep hardware for reassembly. (Fig. 4-12)

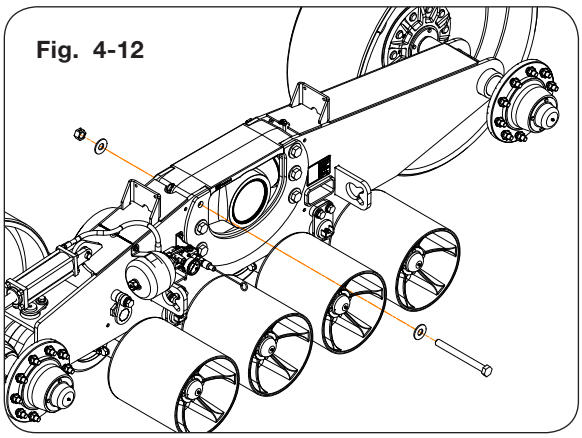
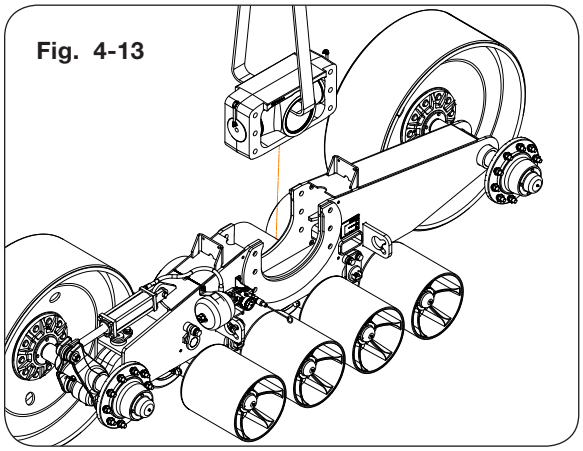


Fig. 4-12

Maintenance (continued)

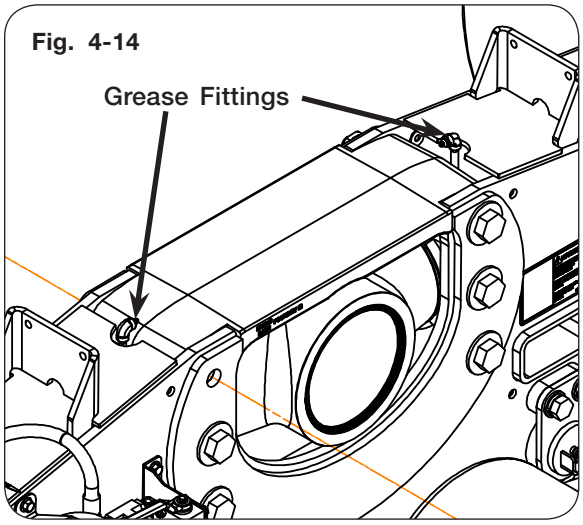
13. Using a safe lifting device rated for 500 lbs., remove the trunnion assembly (Fig. 4-13).

Fig. 4-13



14. Place the new trunnion assembly into track frame with the grease fittings facing up as shown in Fig. 4-14.

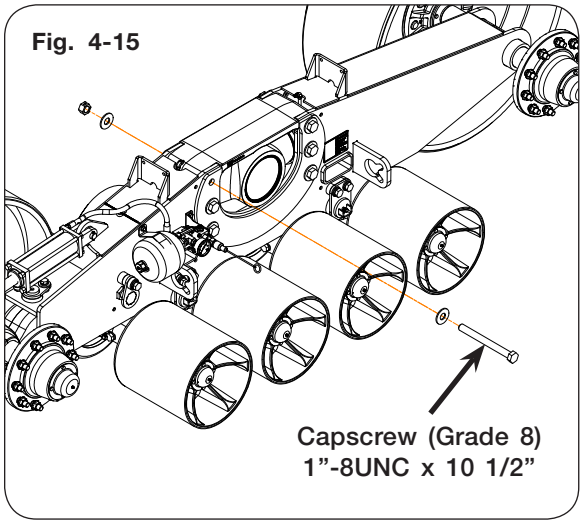
Fig. 4-14



15. Secure with the six 1”-8UNC x 10 1/2” capscrews, twelve 1” USS flat washers (9405-118), and six 1”-8UNC locknuts (92199) from step 11. (Fig. 4-15)

16. Torque hardware to 640 ft.-lbs.

Fig. 4-15



Maintenance (continued)

17. Grease the pivot shaft and inside of bushing and seals prior to assembly. Be careful not to damage the seal when assembling the track on the shaft. Using a safe lifting device rated at 6,000 lbs. align the track frame with the cart pivot shaft.

18. Attach the pivot shaft plate cover and retaining hardware as shown in Fig. 4-16. See torque chart in MAINTENANCE section for proper tightening of all hardware.

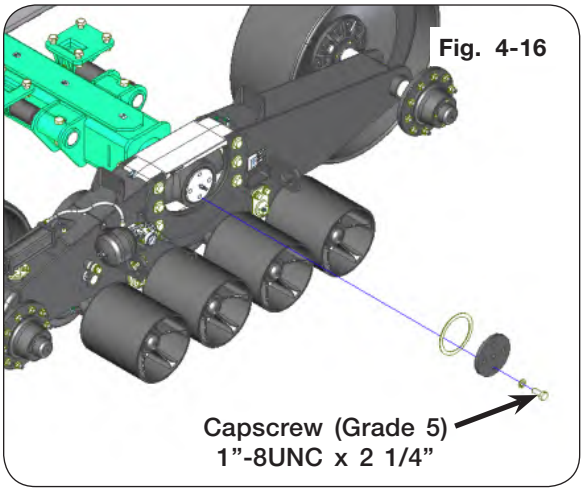


Fig. 4-16

19. Using safe lifting devices rated at 38,000 lbs., raise the track off the ground.

20. Using a safe lifting device rated at 3,000 lbs., install the track belt (Fig. 4-17).

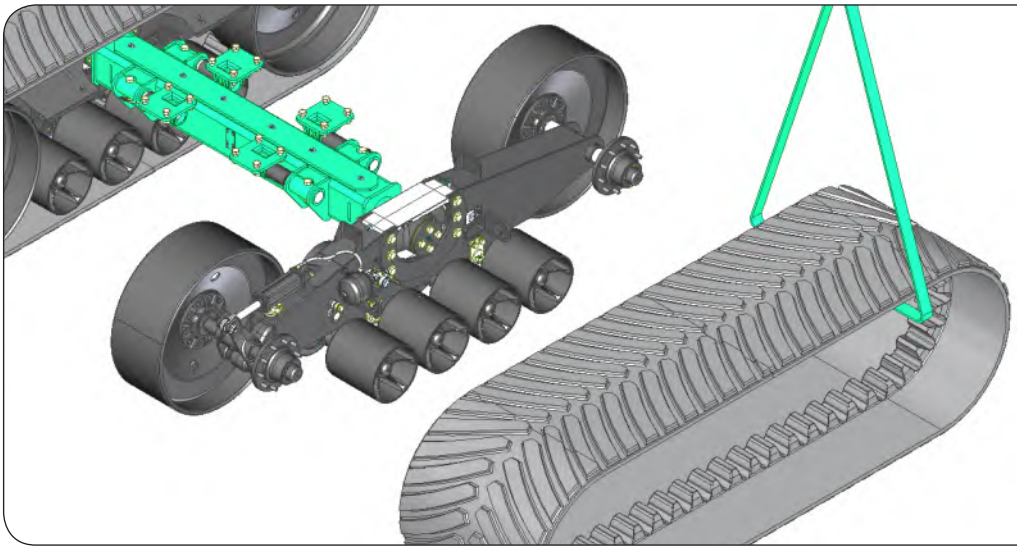


Fig. 4-17

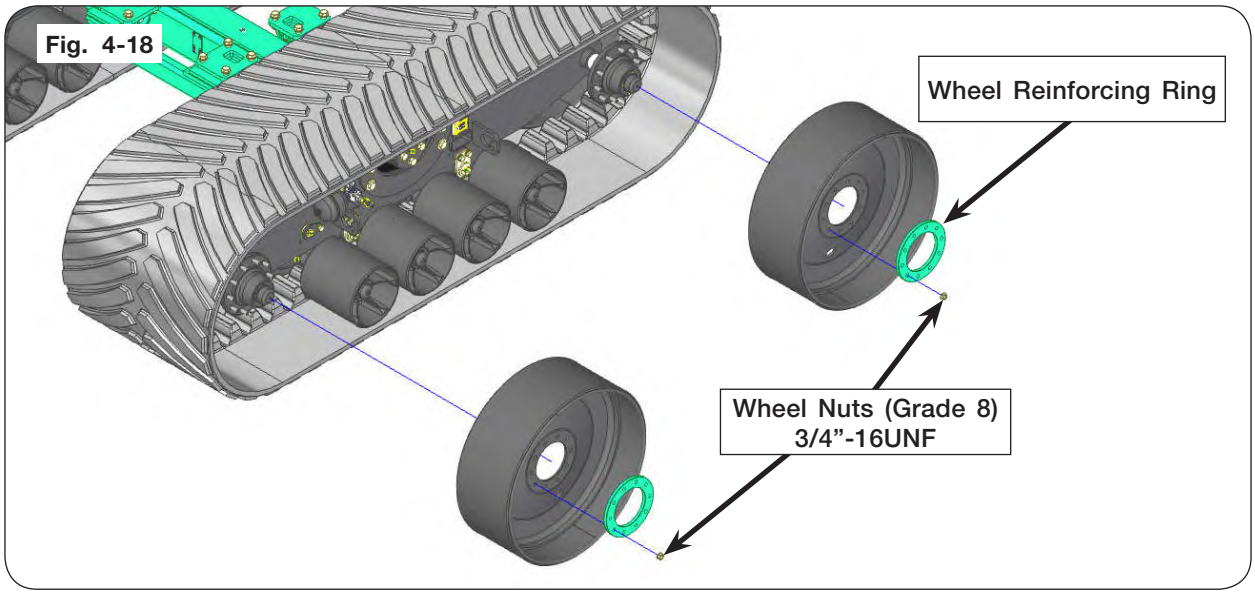
Maintenance (continued)

⚠ CAUTION

- **IMPROPERLY TORQUED WHEEL NUTS/BOLTS CAN CAUSE A LOSS OF IMPLEMENT CONTROL AND MACHINE DAMAGE. WHEEL NUTS/BOLTS MUST BE CHECKED REGULARLY. SEE WHEEL TORQUE DIAGRAM PAGE IN THE MAINTENANCE SECTION FOR PROPER WHEEL NUT/BOLT SPECIFICATIONS. WARRANTY DOES NOT COVER FAILURES CAUSED BY IMPROPERLY TORQUED WHEEL NUTS/BOLTS.**

21. Using a safe lifting device rated at 600 lbs., reinstall the idler wheels and, for 50” tracks only, the wheel reinforcing rings (Fig. 4-18). Torque wheel nuts and tensioner track per torque diagram in the MAINTENANCE section.

Fig. 4-18



Maintenance (continued)

22. Connect Auto Greaser hoses to track assembly paying special attention to the locations identified and labled during removal.

NOTE: It is critical the hose to the main pivot pin be placed in the correct location as this gets a different amount of grease than the others.

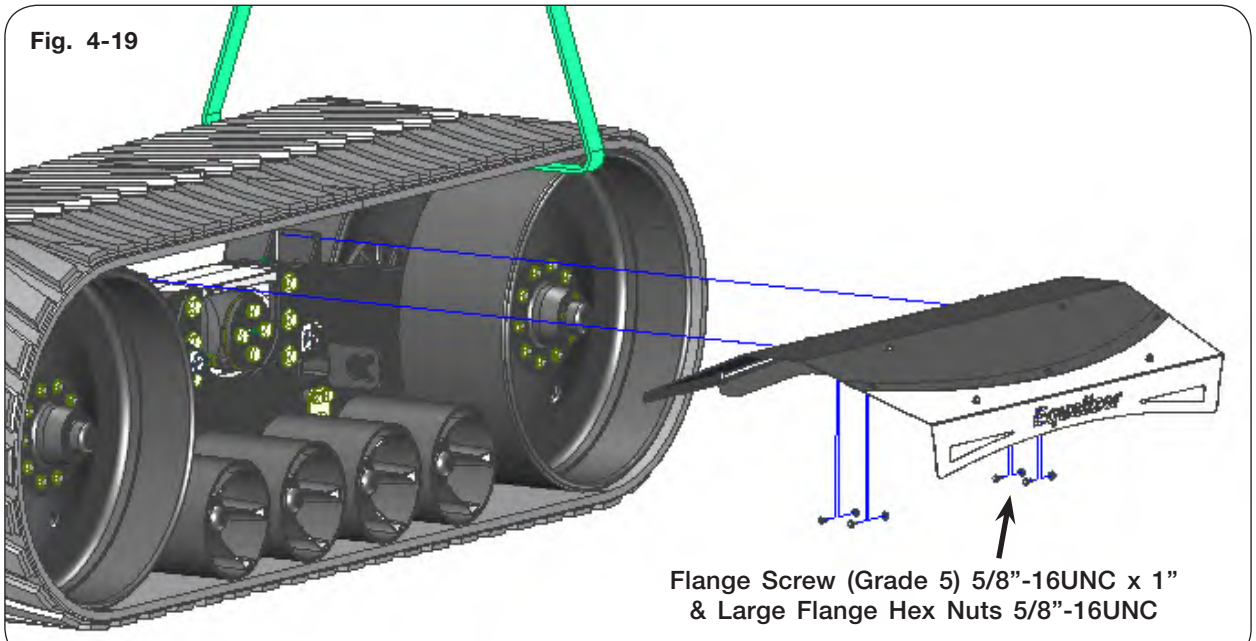
23. Tension track using procedure in OPERATION section of this manual.

24. Secure the deflector plates and brackets (Fig. 4-19). See torque chart in MAINTENANCE section for proper tightening of all hardware.

25. Lower cart to the ground and remove safe lifting device.

26. Align track as per procedure in MAINTENANCE section.

Fig. 4-19



Flange Screw (Grade 5) 5/8”-16UNC x 1”
& Large Flange Hex Nuts 5/8”-16UNC

Maintenance (continued)

Tensioner and Alignment Assembly Replacement

⚠ WARNING

- **TIPPING OR MOVEMENT OF THE MACHINE CAN CAUSE SERIOUS INJURY OR DEATH. BE SURE MACHINE IS SECURELY BLOCKED.**
- **EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHILE SERVICING IMPLEMENT.**
- **KEEP HANDS CLEAR OF PINCH POINT AREAS.**
- **HIGH-PRESSURE FLUIDS CAN PENETRATE THE SKIN AND CAUSE SERIOUS INJURY OR DEATH. SEEK MEDICAL TREATMENT IMMEDIATELY IF INJURED BY HIGH-PRESSURE FLUIDS. USE CARDBOARD OR WOOD TO DETECT LEAKS IN THE HYDRAULIC SYSTEM.**
- **ACCUMULATORS USED IN THIS HYDRAULIC SYSTEM CAN RETAIN FLUID UNDER PRESSURE EVEN AFTER TRACTOR HYDRAULIC VALVE IS PLACED IN FLOAT. SEE TRACTOR OPERATOR’S MANUAL FOR PROPER PRESSURE RELIEF PROCEDURE. APPLY PRESSURE RELIEF PROCEDURE FOR AT LEAST 20 SECONDS AFTER CYLINDER(S) HAVE STOPPED MOVING.**
- **DO NOT PUNCTURE OR DENT SHELL AND DO NOT WELD NEAR ACCUMULATOR.**
- **FALLING OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT WORK UNDER THE MACHINE AT ANY TIME WHILE BEING HOISTED. BE SURE ALL LIFTING DEVICES AND SUPPORTS ARE RATED FOR THE LOADS BEING HOISTED. THESE ASSEMBLY INSTRUCTIONS WILL REQUIRE SAFE LIFTING DEVICES UP TO 38,000 LBS. FOR 2000 & 2500 BUSHEL CARTS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.**

The accumulator in the hydraulic system is precharged with nitrogen to a very high pressure. Do not break fittings in accumulator. The accumulator itself is under pressure at all times. Once connected into the hydraulic system, the accumulator will maintain pressure in the system until pressure is relieved by the tractor’s hydraulic system.

1. Park the empty cart on a firm, level surface. Set the tractor’s parking brake, shut off the engine, remove the ignition key and disconnect the PTO shaft and hydraulics from the tractor and cart.

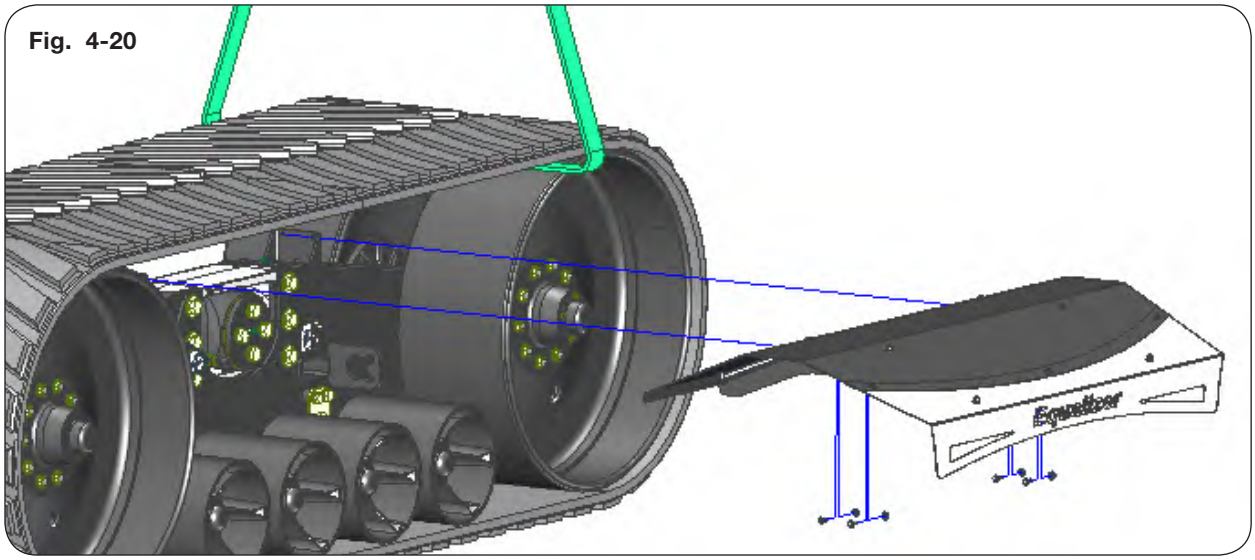
2. Use a safe lifting device and support stands rated for cart weight plus 9,000 lbs. for the track assembly. See base cart operator manual for proper lifting procedures and add weight of track assembly to lifting device requirements.

3. Raise one side of the cart. Place equally rated lifting devices under the axle nearest to the track that will be removed.

Maintenance (continued)

4. Remove debris deflector plates, brackets and hardware. Retain parts and hardware for reassembly. (Fig. 4-20).

Fig. 4-20



5. Detension track using procedure in OPERATION section of this manual.

6. Disconnect Auto Greaser hoses from track assembly, marking each line so it can be reassembled in the correct position.

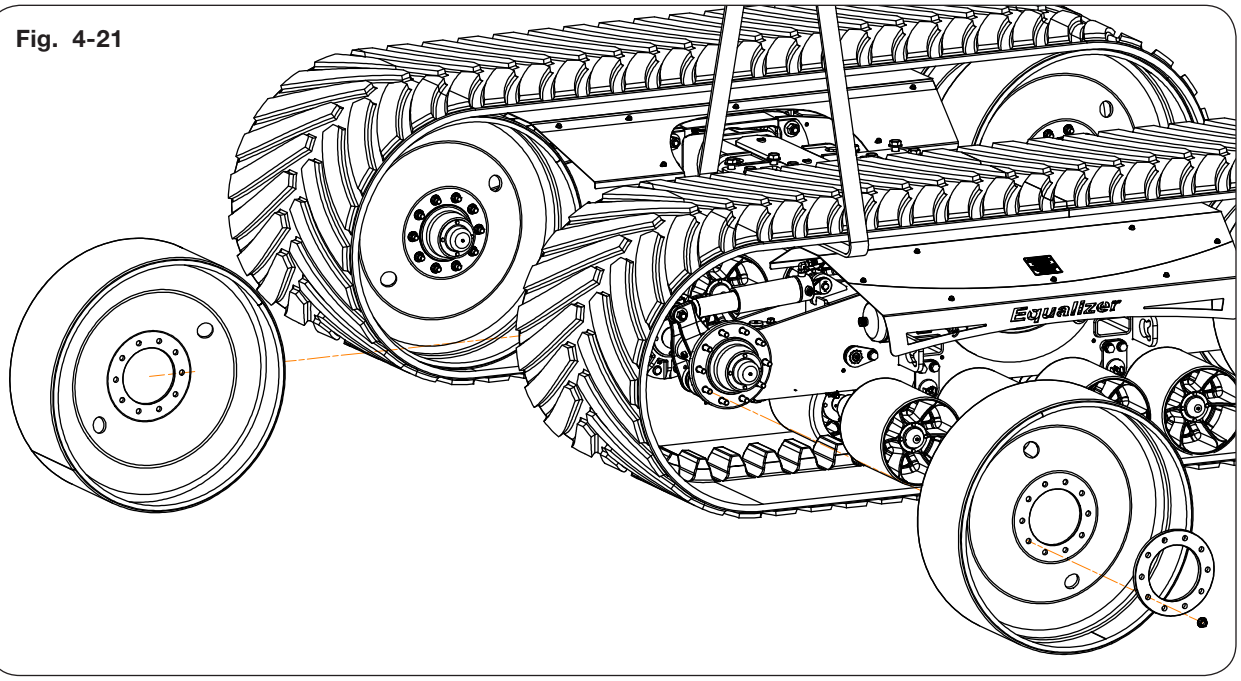
7. Using safe lifting devices rated at 38,000 lbs., raise the track off the ground.

Maintenance (continued)

8. Using a safe lifting device rated at 3,000 lbs., support the track near the idler wheels. (Fig. 4-21)

9. Using a safe lifting device rated at 600 lbs., remove front inside and outside idler wheels. Retain parts and hardware for reassembly. (Fig. 4-21)

Fig. 4-21



Maintenance (continued)

10. Remove the hydraulic cylinder rod end retaining hardware. Retain hardware for reassembly. (Fig. 4-22)

11. For 50” Equalizer, disconnect 90 degree adapter street elbow (9006817) from alignment pin weldment (267756). (Fig. 4-23)

12. For 42” Equalizer, disconnect 90 degree adapter street elbow (9006817) from front tensioner assembly (267921B). (NOT SHOWN)

13. Note alignment rod weldment (267791) position. Remove alignment bolt retainer plate (282771B). Remove alignment rod weldment and retain all hardware for reassembly as shown in Fig. 4-23.

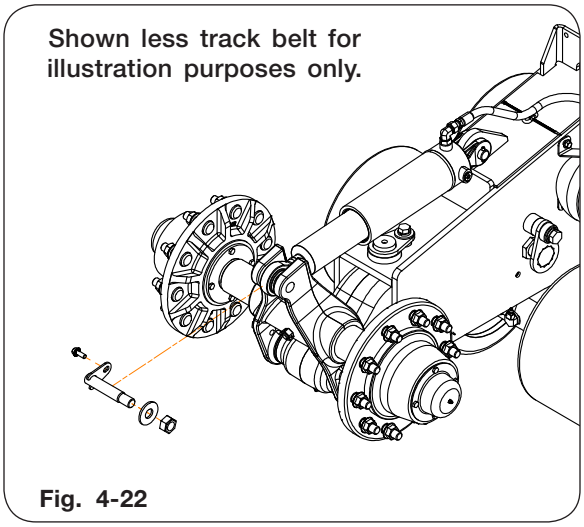


Fig. 4-22

14. Remove alignment pin weldment (267756 for 50” and 268267 for 42”). Retain pin and all hardware for reassembly. (Fig. 4-23)

15. Using a safe lifting device rated at 500 lbs., remove front tensioner/alignment assembly (267742B for 50” and 267921B for 42”). (Fig. 4-23)

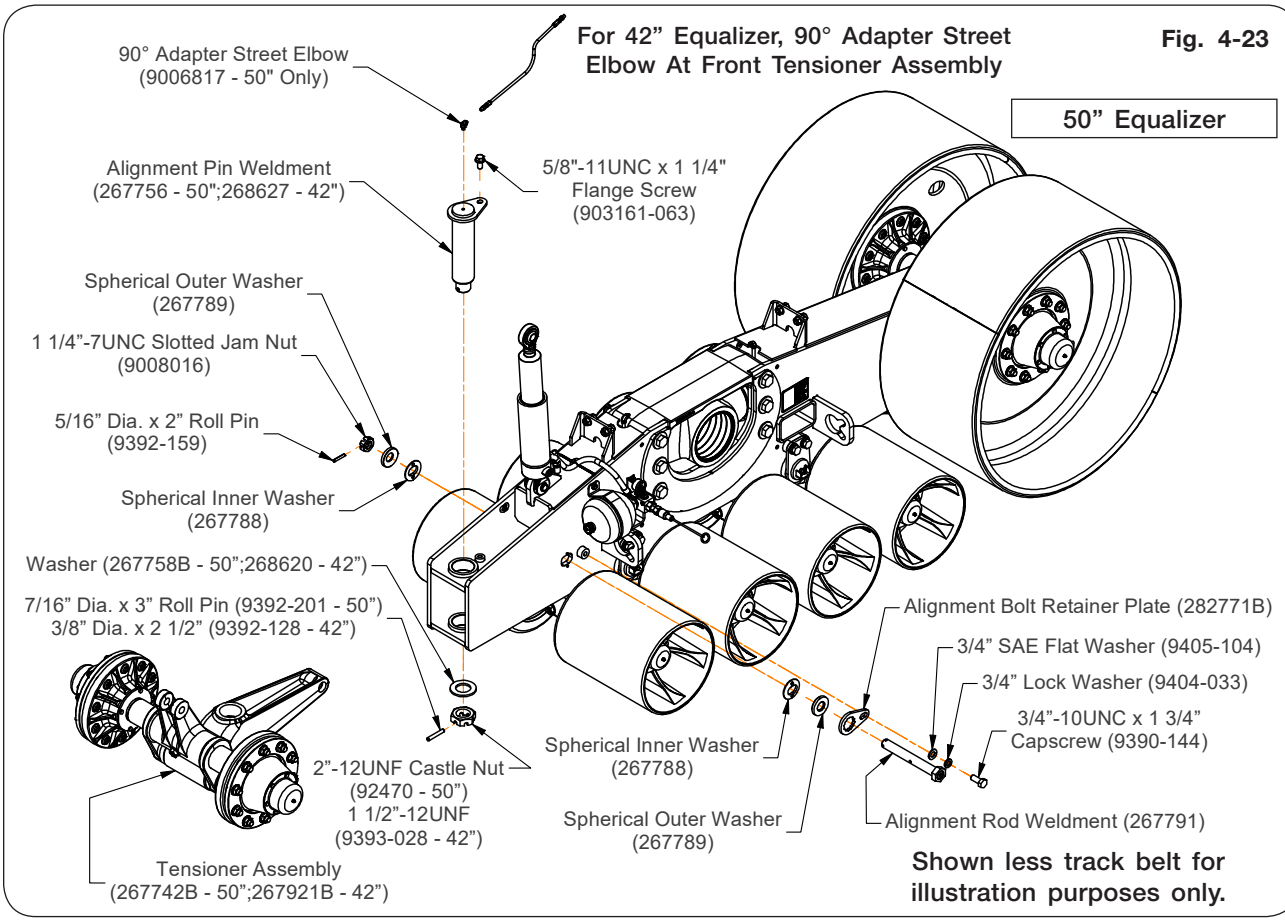


Fig. 4-23

Maintenance (continued)

NOTE: Start with alignment rod weldment (267791) in similar position to disassembly in step 13.

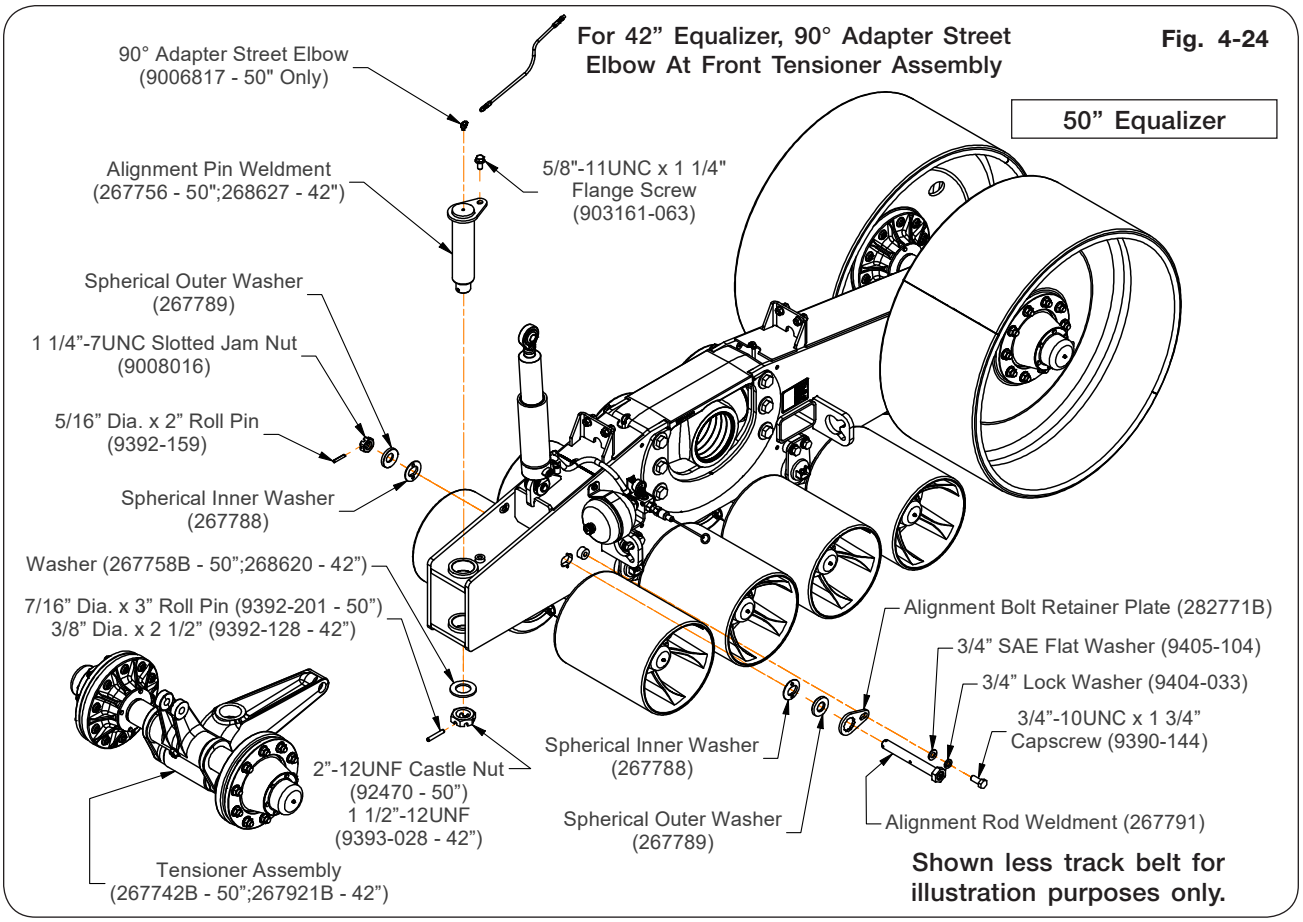
16. Using a safe lifting device rated at 500 lbs., install new tensioner assembly (267742B for 50” and 267921B for 42”). Fig. 4-24

17. Install new alignment rod weldment (267791) with previously used hardware shown in Fig. 4-24.

18. Install alignment pin weldment (267756 for 50” and 268267 for 42”) with previously used hardware as shown in Fig. 4-24.

19. For 50” Equalizer, reconnect 90 degree adapter street elbow (9006817) to alignment pin weldment. (Fig. 4-24)

20. For 42” Equalizer, reconnect 90 degree adapter street elbow (9006817) to front tensioner assembly (267921B). (NOT SHOWN)



Maintenance (continued)

21. Secure the hydraulic cylinder rod end with the hardware removed in step #10 (Fig. 4-25).

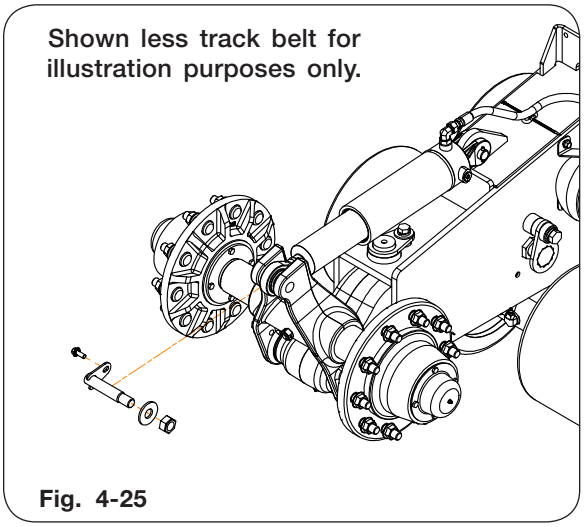


Fig. 4-25

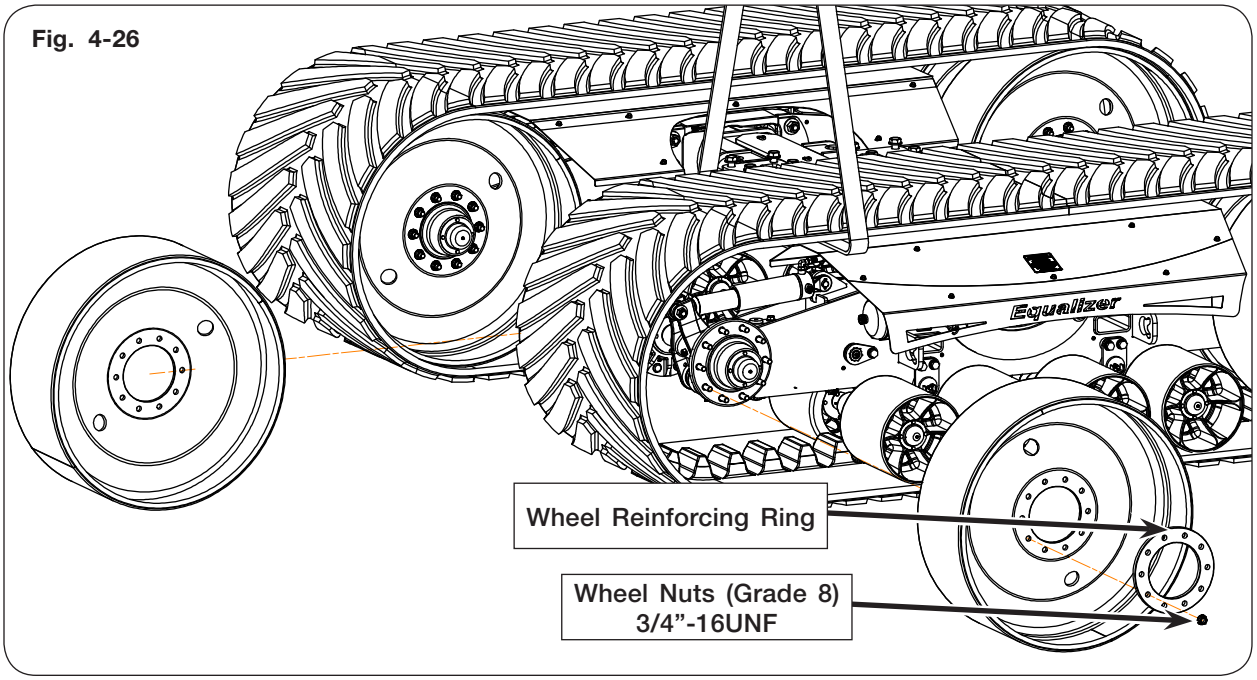
22. Using a safe lifting device rated at 600 lbs., reinstall the idler wheels and, for 50” tracks only, the wheel reinforcing rings (Fig. 4-26). Torque wheel nuts and tensioner track per torque diagram in the MAINTENANCE section.

⚠ CAUTION

- **IMPROPERLY TORQUED WHEEL NUTS/BOLTS CAN CAUSE A LOSS OF IMPLEMENT CONTROL AND MACHINE DAMAGE. WHEEL NUTS/BOLTS MUST BE CHECKED REGULARLY. SEE WHEEL TORQUE CHART PAGE IN THIS MANUAL FOR PROPER WHEEL NUT/BOLT SPECIFICATIONS. WARRANTY DOES NOT COVER FAILURES CAUSED BY IMPROPERLY TORQUED WHEEL NUTS/BOLTS.**

23. Remove safe lifting device rated at 3,000 lbs. supporting the track near idler wheels. (Fig. 4-26)

Fig. 4-26



Maintenance (continued)

24. Connect Auto Greaser hoses to track assembly paying special attention to the locations identified and labled during removal.

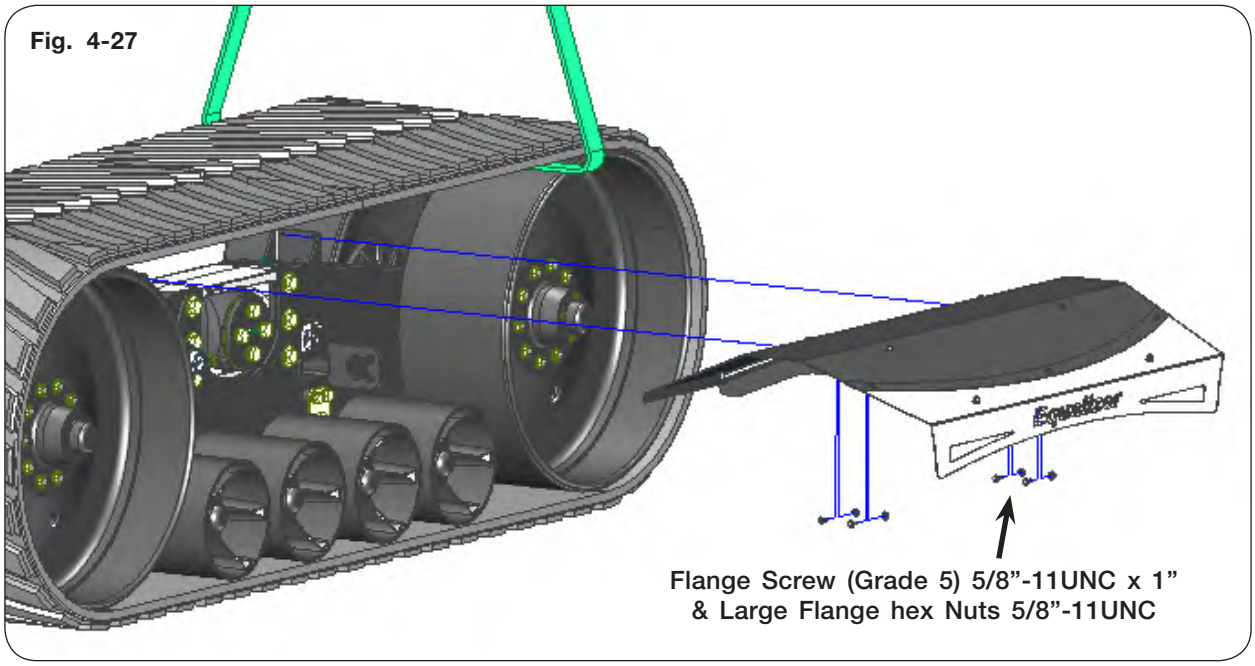
25. Tension track using procedure in OPERATION section of this manual.

26. Secure the deflector plates and brackets (Fig. 4-27). See torque chart for proper tightening of all hardware.

27. Lower cart to the ground and remove safe lifting device.

28. Align track as per procedure in MAINTENANCE section.

Fig. 4-27



Flange Screw (Grade 5) 5/8”-11UNC x 1”
& Large Flange hex Nuts 5/8”-11UNC

Storage

1. Avoid storing in sunlight.

2. Avoid excessive moisture.

Ideally, rubber tracks should be stored indoors, in a draft-free area. If tracks must be stored outdoors, a tarpaulin or other covering should be used to protect it from the weather.

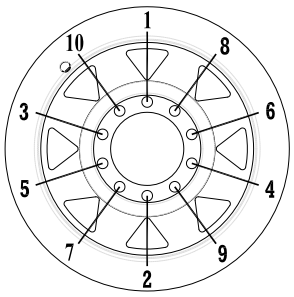
Track Wheel Torque

⚠ CAUTION

- **IMPROPERLY TORQUED WHEEL NUTS/BOLTS CAN CAUSE A LOSS OF IMPLEMENT CONTROL AND MACHINE DAMAGE. TORQUE WHEEL NUTS/BOLTS TO VALUES IN TABLE. CHECK TORQUE BEFORE USE, AFTER ONE HOUR OF UNLOADED USE OR AFTER FIRST LOAD, AND EACH LOAD UNTIL WHEEL NUTS/BOLTS MAINTAIN TORQUE VALUE. CHECK TORQUE EVERY 10 HOURS OF USE THERE-AFTER. AFTER EACH WHEEL REMOVAL START TORQUE PROCESS FROM BEGINNING. WARRANTY DOES NOT COVER FAILURES CAUSED BY IMPROPERLY TORQUED WHEEL NUTS/BOLTS.**

Failure to check torque before first load may damage wheel nut/bolt seats. Once seats are damaged, it will become impossible to keep nuts/bolts tight. Tighten nuts/bolts to applicable torque value shown in table. Start all nuts/bolts by hand to prevent cross threading. Torque nuts/bolts in the recommended sequence as shown in Diagram 1.

WHEEL HARDWARE	
SIZE	FOOT-POUNDS
3/4-16 (UNF)	365 ft.-lbs.



10 BOLT

DIAGRAM 1

Proper Tightening of Hub Bearings

1. Tighten the slotted hex nut while spinning the hub until drag can be felt in the hub.

2. Loosen the slotted hex nut until there is no pressure on the hub.

3. Tighten the slotted hex nut until resistance can be felt in the hub. Back off the nut to the nearest hole. If there is any side play in the hub, tighten to the next hole.

Complete Torque Chart

Capscrews - Grade 5

NOTE:

- Grade 5 capscrews can be identified by three radial dashes on the head.
- For track wheel torque requirements, refer to Track Wheels.
- Tighten U-bolts evenly and equally to have the same number of threads exposed on each end.

SIZE	FOOT POUNDS	NEWTON METERS
1/4-20 1/4-28	8-10 9-11	11-13 12-15
5/16-18 5/16-24	15-17 17-19	20-23 23-26
3/8-16 3/8-24	25-28 28-31	34-38 38-42
7/16-14 7/16-20	40-45 45-50	54-61 61-68
1/2-13 1/2-20	62-68 68-75	84-92 92-102
9/16-12 9/16-18	90-98 100-110	122-133 134-148
5/8-11 5/8-18	120-135 124-137	162-183 168-186
3/4-10 3/4-16	200-220 210-230	270-300 285-310
7/8-9 7/8-14	330-350 360-380	425-475 460-515
1-8 1-14	500-525 540-560	675-710 730-760
1 1/8-7 1 1/8-12	600-635 665-700	815-860 920-950
1 1/4-7 1 1/4-12	850-895 940-990	1150-1215 1275-1340
1 3/8-6 1 3/8-12	1125-1175 1280-1335	1525-1590 1735-1810
1 1/2-6 1 1/2-12	1500-1560 1685-1755	2035-2115 2285-2380

IMPORTANT

- *Follow these torque recommendations except when specified in text.*

Complete Torque Chart

Capscrews - Grade 8

NOTE:

- Grade 8 capscrews can be identified by six radial dashes on the head.
- For track wheel torque requirements, refer to Track Wheels.
- Tighten U-bolts evenly and equally to have the same number of threads exposed on each end.

SIZE	FOOT POUNDS	NEWTON METERS
5/16-18 5/16-24	20-22 21-23	27-30 28-31
3/8-16 3/8-24	35-39 36-41	47-53 49-55
7/16-14 7/16-20	54-58 55-60	73-78 75-80
1/2-13 1/2-20	82-88 94-99	110-120 125-135
9/16-12 9/16-18	127-134 147-155	170-180 199-210
5/8-11 5/8-18	160-170 165-175	215-230 225-235
3/4-10 3/4-16	280-295 330-365	380-400 445-495
7/8-9 7/8-14	410-430 420-440	555-580 570-595
1-8 1-14	630-650 680-700	850-880 920-950
1 1/8-7 1 1/8-12	900-930 930-950	1220-1260 1260-1290
1 1/4-7 1 1/4-12	1250-1300 1280-1320	1695-1760 1735-1790

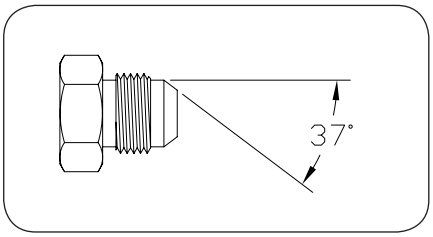
IMPORTANT

- *Follow these torque recommendations except when specified in text.*

Hydraulic Fittings - Torque and Installation

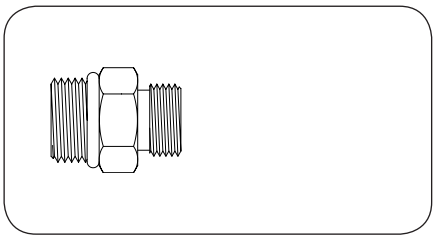
SAE Flare Connection (J. I. C.)

1. Tighten nut with finger until it bottoms the seat.
2. Using a wrench, rotate nut to tighten. Turn nut 1/3 turn to apply proper torque.



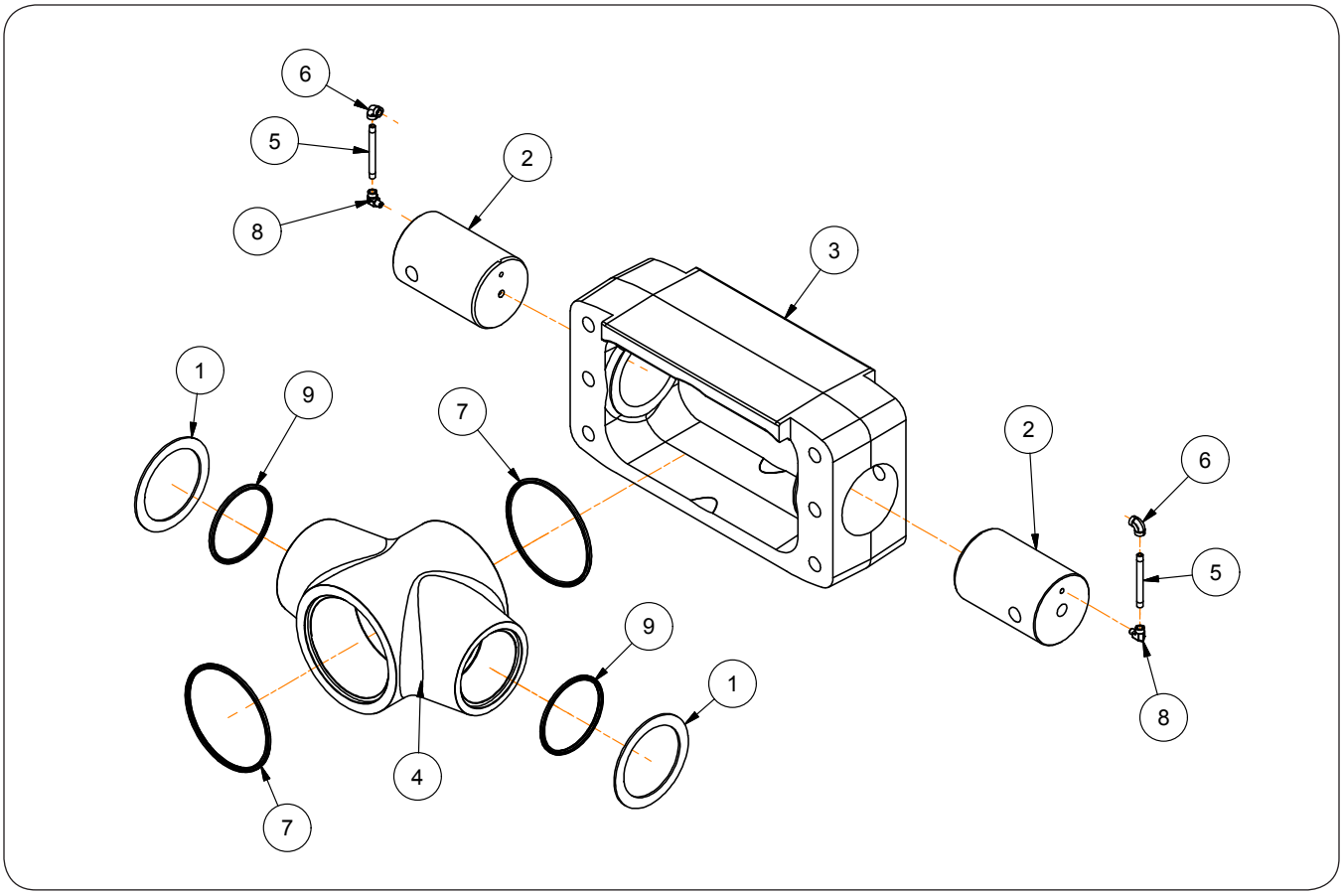
SAE Straight Thread O-Ring Seal

1. Insure jam nut and washer are backed up to the back side of smooth portion of elbow adapter.
2. Lubricate o-ring.
3. Thread into port until washer bottoms onto spot face.
4. Position elbows by backing up adapter.
5. Tighten jam nut.



Section V
Parts

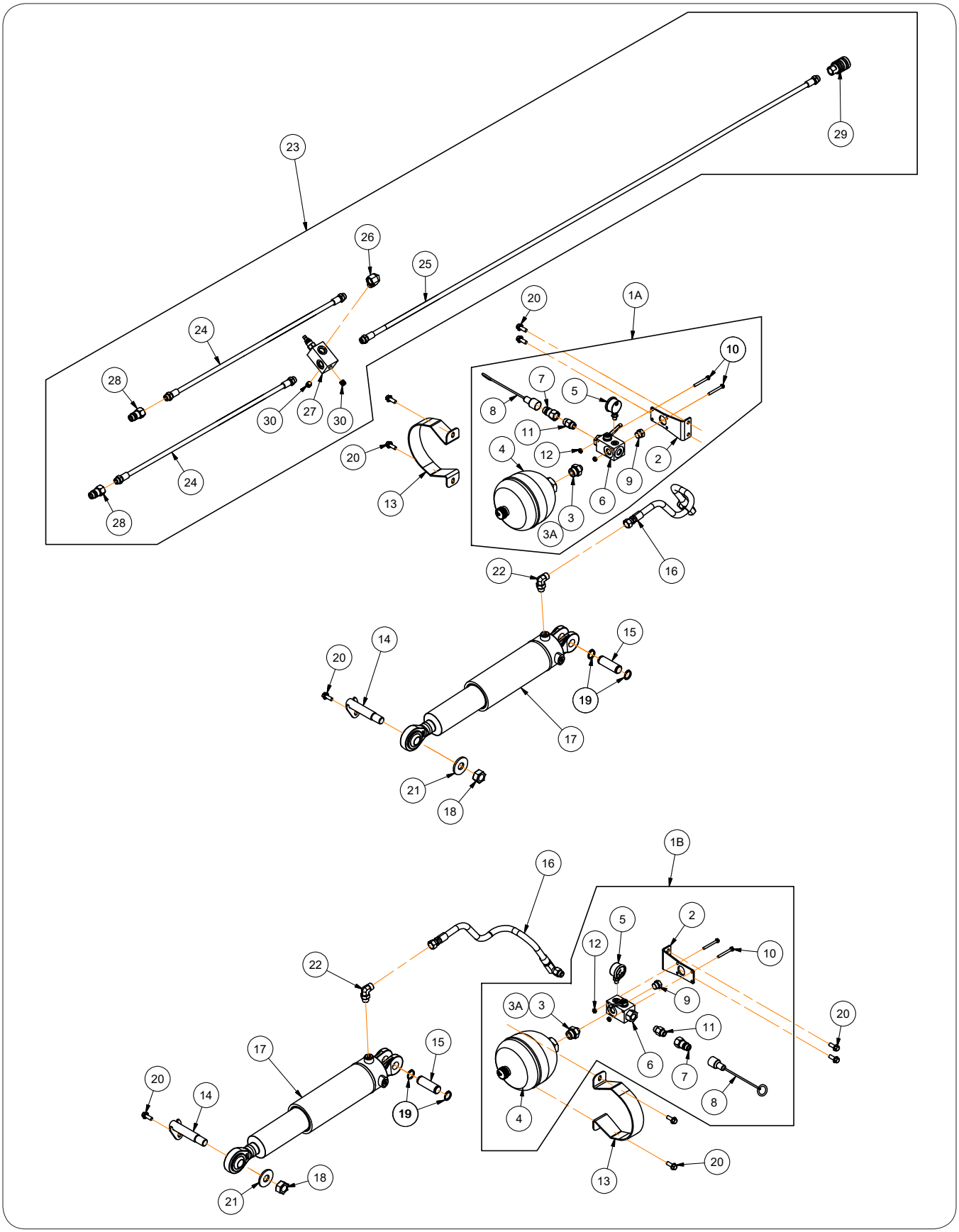
Trunnion Assembly Components



ITEM	PART NO.	DESCRIPTION	QTY	NOTE
	282014B	Trunnion Assembly (Black)	1	
1	282011	Washer 6.563 OD x 5.063 ID	2	
2	282024	Trunnion Pin 5 1/4” Dia. x 7 5/16	2	
3	282041B	Trunnion Housing =Black=	1	
4	282125B	Trunnion =Black=	1	
5	9000512	Nipple-Pipe 1/8” SCH40 x 4 1/8-27NPT x 1/8-27NPT	2	
6	9004764	90° Elbow 1/8 NPTF Female	2	Connects to Auto-Greaser
7	9006410	Seal 7.515 Bore Single Lip	2	
8	9006817	90° Street Elbow 1/8-27 Male x 1/8-27 Female	2	
9	9007154	Seal 5.500 Bore Single Lip	2	

Notes

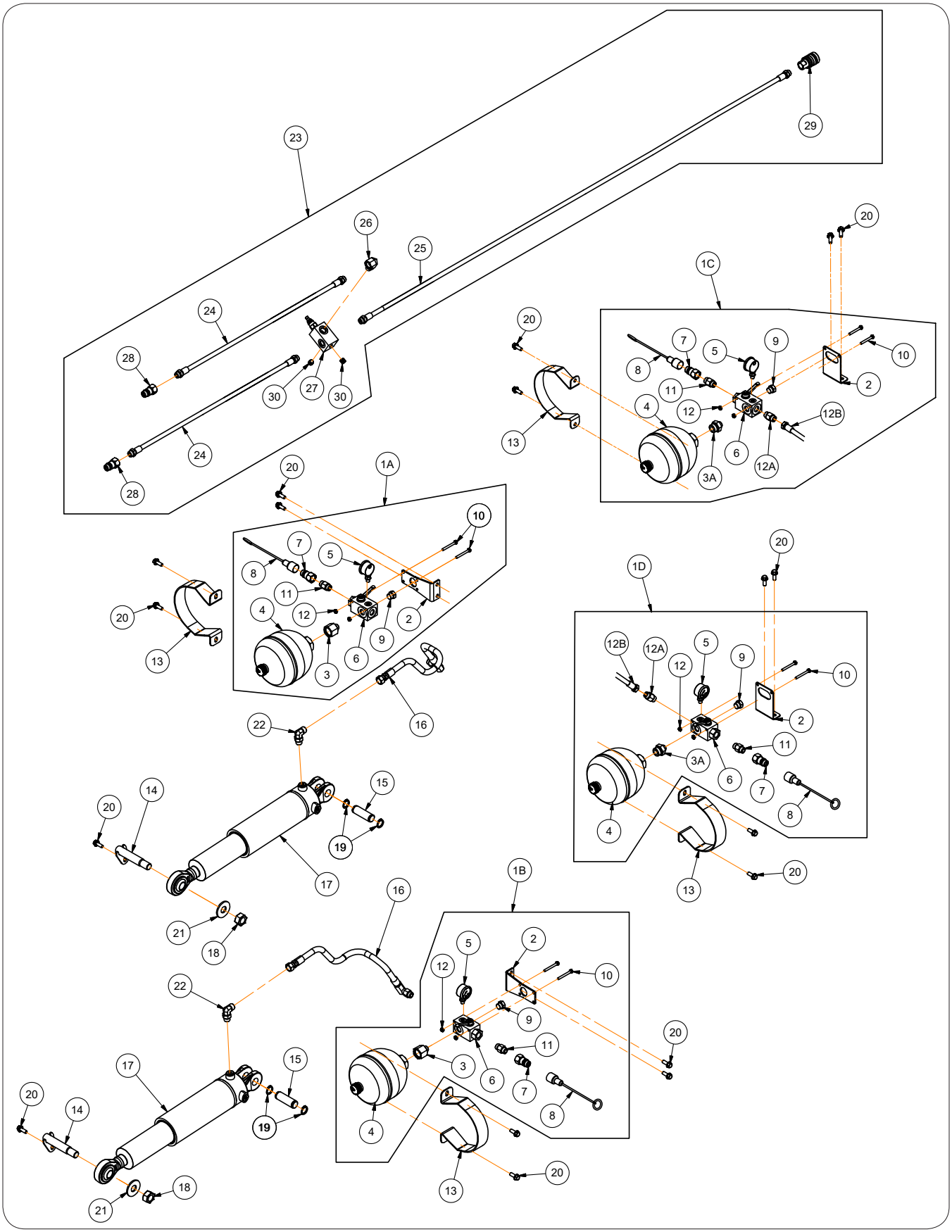
50” Accumulator Components



50” Accumulator Components

ITEM	PART NO.	DESCRIPTION	QTY	NOTES
1A	267697B	Valve Assembly - Right-Hand (Black)	1	Includes Items 2 through 12
1B	267696B	Valve Assembly - Left-Hand (Black)	1	Includes Items 2 through 12
2	267812B	Valve Bracket =Black=	1	
3	9008060	Expander 3/4-16 O-Ring Male Boss x 1 1/16-12 O-Ring Female	1	For SN B41650100-B42540099 If accumulator replacement kit 295910 has been installed, fitting will not be present.
3A	9004465	Reducer 1 1/16-12 O-Ring Male Boss x 3/4-16 O-Ring Male	1	
4	295910	Accumulator Replacement Kit	1	For SN B41650100-B42540099
	9008367	Hydraulic Accumulator (1120 PSI-PRECHARGE)	1	
5	9008368	2 1/2 Panel Mount Gauge (3000PSI)	1	
6	9008373	Ball Valve 3/4-16 O-Ring Female Ports	1	
7	91383	Male Tip Coupling 3/4-16 O-Ring Female	1	
8	91511	Dust Cap / ISO Coupler	1	
9	93657	Plug	1	
10	9390-010	Capscrew 1/4-20UNC x 2 1/4 G5	2	
11	98508	Union Adapter 3/4-16 x 3/4-16 Male	1	
12	9936	Locknut 1/4-20UNC	2	
13	267817B	Accumulator Clamp =Black=	1	
14	268189	Pin Weldment	1	
15	272587	Pin	1	
16	9007092	Hose 3/8 x 24 (3000PSI) 90° 3/4-16 O-Ring Male x 90° 3/4-16 O-Ring Male	1	
17	282603	Cylinder Ram 3 x 8 (3000PSI)	1	
18	91141	Locknut/Center 7/8”-9UNC	1	
19	91192	Retaining Ring	2	
20	91262	Flange Screw 3/8”-16UNC x 1”	4	
21	9405-112	Flat Washer 7/8” USS	1	
22	TA0-934612-0	90° Elbow	1	
23	268063	Tensioner Hose Assembly	1	Includes Items 24 through 30
24	9005563	Hose 1/4 x 30 (3000PSI) 3/4-16 UNF-1A O-Ring Male Both Ends	2	
25	9005564	Hose 1/4 x 305 (3000PSI) 3/4-16 UNF-1A O-Ring Male Both Ends	1	
26	9005566	90° Fitting 3/4-16 UNF-2B O-Ring Boss	1	
27	9006248	Pressure Relief Valve (1000PSI)	1	
28	91383	Male Tip Coupling 3/4-16 O-Ring Female	2	
29	97286	Pioneer Coupler SAE 3/4-16 O-Ring Female	1	
30	98522	Drain Plug 1/4-18 NPTF Male	2	

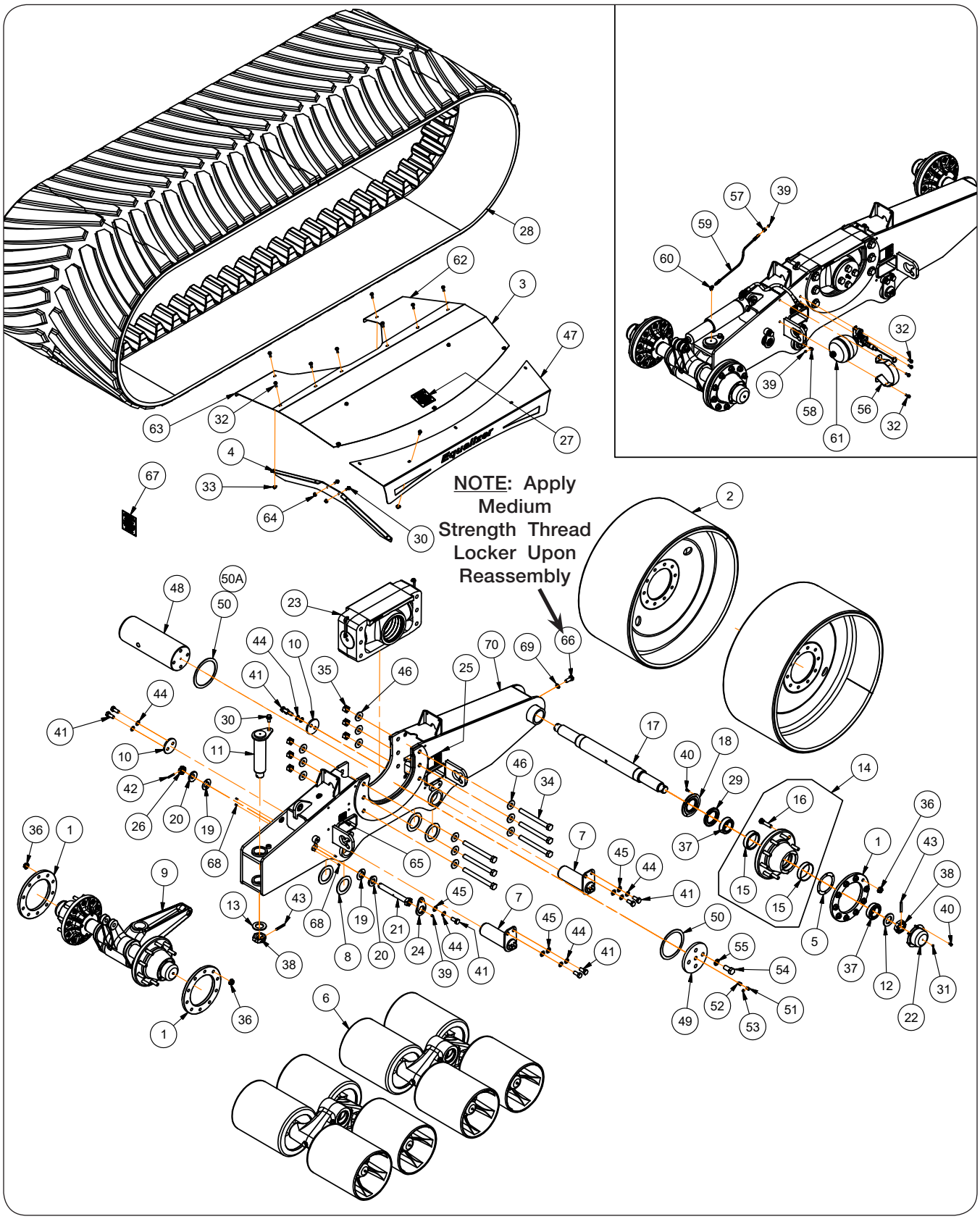
42” Accumulator Components



42” Accumulator Components

ITEM	PART NO.	DESCRIPTION	QTY	NOTES
1A	267813B	Valve Assembly - Right-Hand (SHOWN) (Black) Includes Items 2 & 3 through 12	1	For Track 148” x 42”
1B	267808B	Valve Assembly - Left-Hand (SHOWN) (Black) Includes Items 2 & 3 through 12	1	For Track 148” x 42”
1C	267932B	Valve Assembly - Right-Hand (SHOWN) (Black) Includes Items 2 & 3A through 12B	1	For Track 131” x 42”
1D	267931B	Valve Assembly - Left-Hand (SHOWN) (Black) Includes Items 2 & 3A through 12B	1	For Track 131” x 42”
2	267812B	Valve Bracket =Black=	1	For Track 148” x 42”
	267930B			For Track 131” x 42”
3	9008060	Expander 3/4-16 O-Ring Male Boss x 1 1/16-12 O-Ring Female	1	For Track 148” x 42” SN B42160100-B42830099 If accumulator replacement kit 295909 has been installed, fitting will not be present.
3A	9008356	Reducer 1 1/16-12 O-Ring Male Boss x 3/4-16 O-Ring Male	1	For Track 131” x 42”
4	295909	Accumulator Replacement Kit Includes Accumulator & Item 3A	1	For Track 148” x 42” SN B42160100-B42830099
	9006262	Hydraulic Accumulator (850PSI-PRECHARGE)	1	
5	9008368	2 1/2 Panel Mount Gauge (3000PSI)	1	
6	9008373	Ball Valve 3/4-16 O-Ring Female Ports	1	
7	91383	Male Tip Coupling 3/4-16 O-Ring Female	1	
8	91511	Dust Cap / ISO Coupler	1	
9	93657	Plug	1	
10	9390-010	Capscrew 1/4-20UNC x 2 1/4 G5	2	
11	98508	Union Adapter 3/4-16 x 3/4-16 Male	1	
12	9936	Locknut 1/4-20UNC	2	
12A	9005438	Adapter 3/4-16 O-Ring Male x 13/16-16 O-Ring	1	For Track 131” x 42”
12B	9007093	Hose 3/8 x 24 (3000PSI) 13/16-16 UNF O-Ring Female x 13/16-16 UNF O-Ring Female	1	For Track 131” x 42”
13	267817B	Accumulator Clamp =Black=	1	
14	268189	Pin Weldment	1	
15	272587	Pin	1	
16	9007092	Hose 3/8 x 24 (3000PSI) 90° 3/4-16 O-Ring Male x 90° 3/4-16 O-Ring Male	1	For Track 148” x 42”
17	282603	Cylinder Ram 3 x 8 (3000PSI)	1	
18	91141	Locknut/Center 7/8”-9UNC	1	
19	91192	Retaining Ring	2	
20	91262	Flange Screw 3/8”-16UNC x 1”	4	
21	9405-112	Flat Washer 7/8” USS	1	
22	TA0-934612-0	90° Elbow	1	
23	268063	Tensioner Hose Assembly	1	Includes Items 24 through 30
24	9005563	Hose 1/4 x 30 (3000PSI) 3/4-16 UNF-1A O-Ring Male Both Ends	2	
25	9005564	Hose 1/4 x 305 (3000PSI) 3/4-16 UNF-1A O-Ring Male Both Ends	1	
26	9005566	90° Fitting 3/4-16 UNF-2B O-Ring Boss	1	
27	9006248	Pressure Relief Valve (1000PSI)	1	
28	91383	Male Tip Coupling 3/4-16 O-Ring Female	2	
29	97286	Pioneer Coupler SAE 3/4-16 O-Ring Female	1	
30	98522	Drain Plug 1/4-18 NPTF Male	2	

50” Track Components



50” Track Components

ITEM	PART NO.	DESCRIPTION	QTY	NOTE
1	110496SM	Reinforcing Ring =Sliver Mist=	4	
2	110839B	Track Idler Wheel =Black=	4	
3	267951B	Plate-Debris Deflector =Black=	1	
4	267898B	Plate-Support =Black=	2	
5	267725	Hub Cap Gasket	2	
6	267728B	Bogie Pivot Assembly =Black=	2	
7	267730	Bogie Pin Weldment	2	
8	267734	Washer	4	
9	267742B	Tensioner Assembly =Black=	1	
10	267754B	Plate-Retainer, Bogie Pin =Black=	2	
11	267756	Alignment Pin Weldment	1	
12	267758	Washer-Spindle	2	
13	267758B	Washer-Painted =Black=	1	
14	267784B	Hub-Machined =Black=	2	
15	92462	Bearing Cup (HM212011)	2	
16	93333	Stud Bolt 3/4”-16UNF x 3.50	10	
17	267785	Spindle	1	
18	267786B	Plate-Seal Guard =Black=	2	
19	267788	Washer-Spherical, Inner	2	
20	267789	Washer-Spherical, Outer	2	
21	267791	Alignment Rod Weldment	1	
22	267848	Hub Cap	2	
23	282014B	Trunnion Assembly =Black=	1	
24	282771B	Plate-Retainer, Alignment Bolt =Black=	1	
25	900024	Decal, WARNING “High-Pressure Oil”	1	
26	9008016	Slotted Jam Nut 1 1/4”-7UNC G2	1	
27	9008161	Decal, IMPORTANT “Track Operational Guidelines”	1	
28	9008215	Track Belt 336" x 50"	1	
29	9008425	Seal 5.118” OD x 3.346” ID x 0.472	2	
30	903161-063	Flange Screw 5/8-11UNC x 1 1/4” G5	5	
31	91160	Grease Zerk 1/4-28 STT	2	
32	91262	Flange Screw 3/8”-16UNC x 1” G5	15	
33	91263	Nut/Large Flange 3/8”-16UNC	10	
34	91299-272	Capscrew 1”-8UNC x 10 1/2” G8	6	
35	92199	Lock Nut/Center 1”-8UNC	6	
36	92458	Wheel Nut 3/4”-16UNF G8	40	
37	92464	Bearing Cone	4	

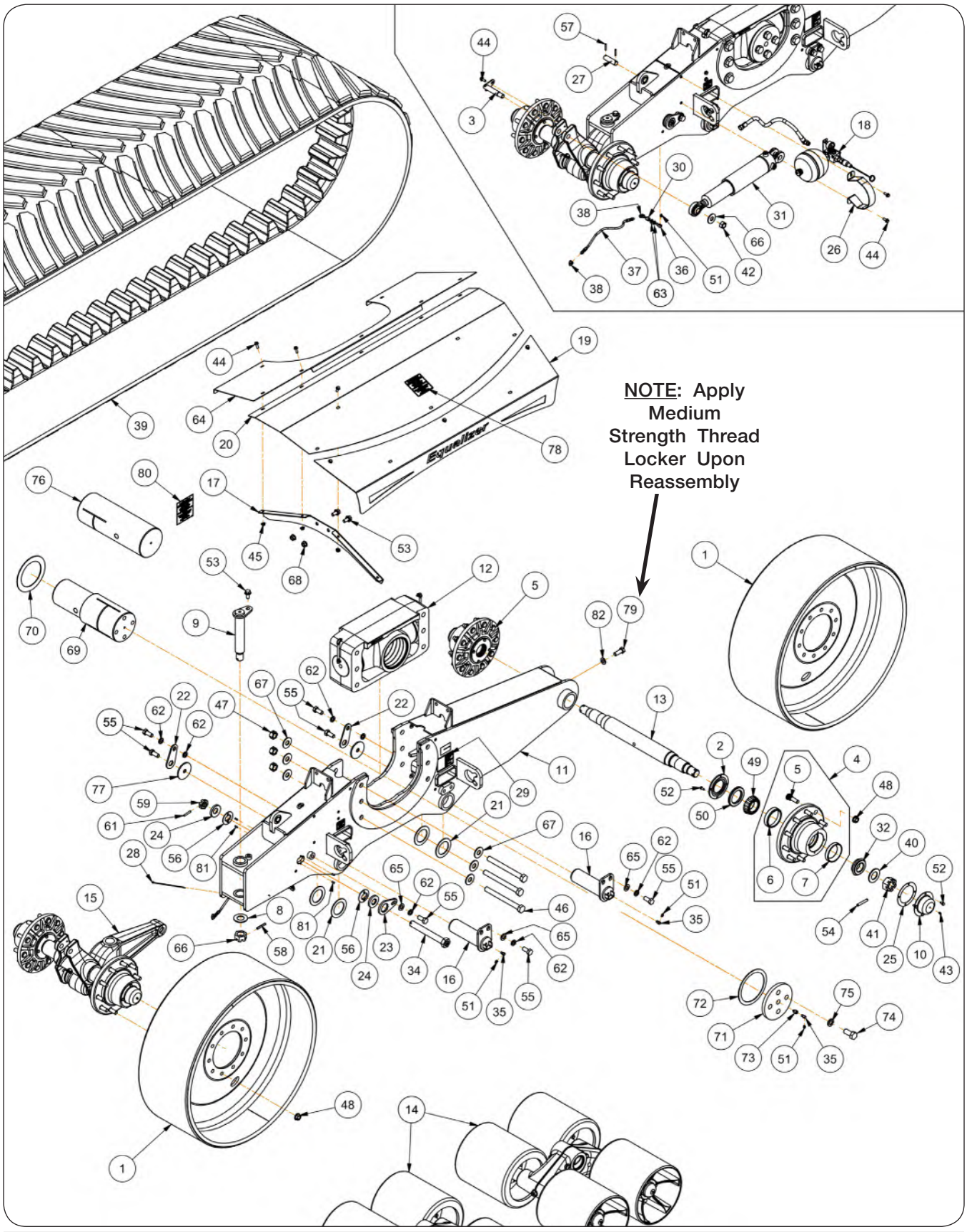
(Continued on next page)

50” Track Components (continued)

ITEM	PART NO.	DESCRIPTION	QTY	NOTE
38	92470	Slotted Hex Nut	3	
39	93426	Grease Zerk 1/8”-27 NPT	4	
40	9390-028	Capscrew 5/16”-18UNC x 3/4” G5	20	
41	9390-144	Capscrew 3/4”-10UNC x 1 3/4” G5	9	
42	9392-159	Roll Pin 5/16” Dia. x 2”	1	
43	902614-225	Spiral Pin 7/16” Dia. x 3”	3	
44	9404-033	Lock Washer 3/4”	9	
45	9405-104	Flat Washer 3/4” SAE	5	
46	9405-118	Flat Washer 1” USS	12	
47	267724SM	Plate-Deflector, Debris =Silver Mist=	2	
48	282026	Shaft-Pivot, Track	2	For 1100 - 1300 Bu. Carts
	282102			For 1500 & Higher Bu. Carts
49	282689B	Plate Cover =Black=	2	
50A	282397	Inner Washer	2	For 1100 - 1300 Bu. Carts
50	282690	Washer	2	
			4	For 1500 & Higher Bu. Carts
51	9006785	90° Adapter 1/8” NPT	2	
52	9006816	Adapter 1/8" NPT	2	
53	93426	Grease Zerk 1/8”-27 NPT	2	
54	9390-184	Capscrew 1”-8UNC x 2 1/4” G5	8	
55	9404-041	Lock Washer 1”	8	
56	267817B	Accumulator Clamp =Black=	1	
57	9003949	Coupling Pipe 1/8” NPT Female x 1/8 NPT Female	1	
58	9006785	90° Adapter 1/8” NPT	2	
59	9006807	Hose 1/4” x 21” (12000 psi)	1	
60	9006817	90° Street Elobw 1/8-27 Male x 1/8-27 Female	1	
61	267696B	Accumulator Assembly Left-Hand (Shown) (Black)	1	
	267697B	Accumulator Assembly Right-Hand (Black)	1	
62	267952B	Debris Deflector Plate =Black=	1	
63	267953B	Debris Deflector Plate =Black=	1	
64	9502324	Large Flange Nut 5/8”-11UNC	4	
65	9008444	Decal, IMPORTANT “Track Pressure 1250 PSI”	1	
66	91299-145	Capscrew, 3/4”-10UNC x 2” G8	1	Apply Medium Strength Thread Locker Upon Reassembly
67	9008154	Tag, IMPORTANT “Track Operation Guide”	1	
68	902614-152	Spiral Pin 1/4” Dia. x 5/8”	4	
69	9009708	Flat Washer 3/4” SAE G9	1	
70	267708B	Track Frame Weldment =Black=	1	

Notes

42” Track Components



42” Track Components

ITEM	PART NO.	DESCRIPTION	QTY	NOTE
1	110115B	Idler Wheel 15.5 x 40 =Black=	4	
2	268164B	Seal Guard =Black=	2	
3	268189	Pin Weldment 1" Dia. x 5 1/2	1	
4	268606B	Hub Assembly #871 w/Bearing Cups & Stud Bolts =Black=	2	Includes items 5 through 7
5	9004943	Stud Bolt 3/4-16UNF x 2.75 (Drive In Wheel Bolt)	10	
6	92733	Bearing Cup 4.4375” Dia. #39585	1	
7	9005457	Bearing Cup 4.375” Dia. #55437	1	
8	268620	Washer 3" OD	1	
9	268627	Alignment Pin Weldment 2" Dia. x 12 9/16	1	
10	281881B	Hub Cap (Bolt-On Type) w/Grease Hole =Black=	2	
11	267916B	Track Frame Weldment (SHOWN) =Black=	1	For Track 148” x 42”
	267914B	Track Frame Weldment =Black=		For Track 131” x 42”
12	See page 3-2	Trunnion Assembly	1	
13	282017	Spindle 3 1/4" Dia. x 34 1/8	1	
14	See page 3-18	Bogie Pivot Assembly	2	
15	See page 3-22	Tensioner Assembly	1	
16	282033	Bogie Pin Weldment 3" Dia.	2	For Track 148” x 42”
			1	For Track 131” x 42”
17	267955B	Support Plate =Black=	2	
18	See page 3-6	Valve Assembly Left-Hand (SHOWN)	1	
		Valve Assembly - Right-Hand	1	
19	282071SM	Debris Deflector Plate (SHOWN) =Sliver Mist=	1	For Track 148” x 42”
	283286SM	Debris Deflector Plate =Sliver Mist=		For Track 131” x 42”
20	267949B	Debris Deflector Plate =Black=	1	For Track 148” x 42”
	267947B		1	For Track 131” x 42”
21	282377	Washer 4.5" OD x 3.063" ID	4	
22	282378B	Retainer Bolt Plate =Black=	2	For Track 148” x 42”
			1	For Track 131” x 42”
23	282771B	Bolt Alignment Retainer Plate =Black=	2	
24	267789	Spherical Outer Washer	2	
25	284229	Hub Cap Gasket	2	
26	267817B	Accumulator Clamp =Black=	1	
27	804572	Pin 1" Dia. x 3 1/2	1	
28	9000106	Cable Tie 7 1/2" Long	3	
29	900024	Decal, WARNING "High-Pressure Fluids…"	1	

(Continued on next page)

42” Track Components (continued)

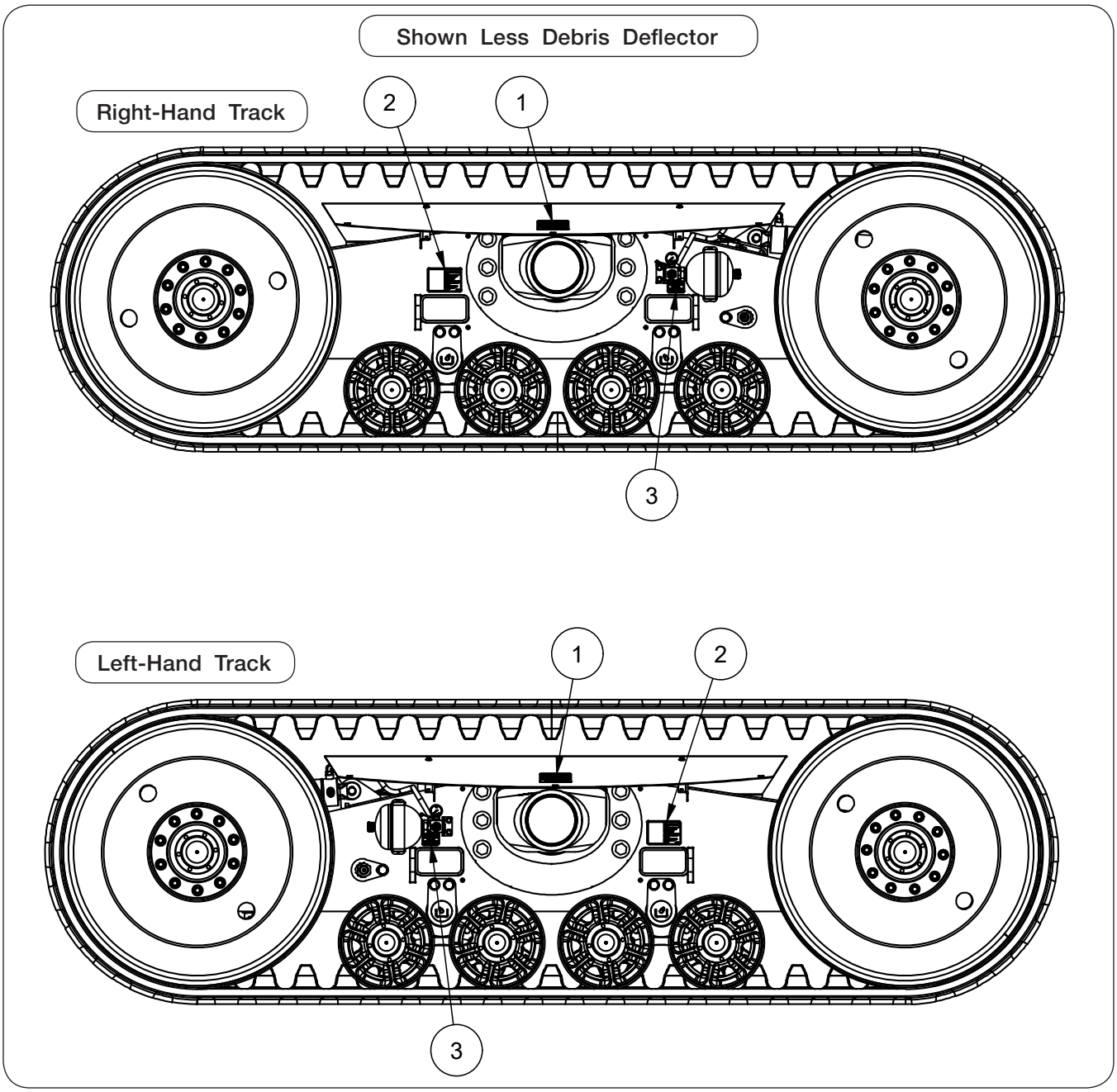
ITEM	PART NO.	DESCRIPTION	QTY	NOTE
30	9003949	Pipe Coupling 1/8NPT Female to 1/8NPT Female Coupling w/Center Hex	1	
31	282603	Welded Cylinder 3 x 8 (3000PSI)	1	
32	9005458	Bearing Cone #55200C (2.000 Bore)	2	
33	9006247	Decal, IMPORTANT "Track Pressure"	1	
34	267791	Alignment Rod Weldment	2	
35	9006785	90° Adapter 1/8NPT	4	For Track 148” x 42”
			3	For Track 131” x 42”
36	9006803	90° Adapter 1/8NPT, Long	1	
37	9006807	Grease Hose 1/4 x 20	1	
38	9006817	90° Street Elbow 1/8-27 Male x 1/8-27 Female	2	
39	9006980	Track Belt 336" x 42" (SHOWN)	1	For Track 148” x 42”
	9006973	Track Belt 300” x 42”		For Track 131” x 42”
40	9007230	Spindle Washer 3 1/4" OD x 1.800" ID (Hardened)	2	
41	9007231	Slotted Hex Nut 1 3/4-12	2	
42	91141	Locknut 7/8-9UNC	1	
43	91160	Grease Zerk 1/4-28 STT	2	
44	91262	Flange Screw 3/8-16UNC x 1 Grade 5	20	
45	91263	Large Flange Hex Nut 3/8-16UNC	15	
46	91299-272	Capscrew 1-8UNC x 10 1/2 Grade 8	6	
47	92199	Locknut 1-8UNC	6	
48	92458	Wheel Nut 3/4-16UNF Grade 8	40	
49	92734	Bearing Cone #39585 (2.5 Bore)	2	
50	92825	Seal 3" #30454SA	2	
51	93426	Grease Zerk 1/8”-27 NPT	4	
52	9390-028	Capscrew 5/16”-18UNC x 3/4” G5	16	
53	903161-063	Flange Screw 5/8”-11UNC x 1 1/4” G5	5	
54	902614-225	Spiral Pin 7/16” Dia. x 3”	2	
54	9390-134	Capscrew 5/8”-11UNC x 5” G5	1	
55	9390-144	Capscrew 3/4”-10UNC x 1 3/4” G5	9	For Track 148” x 42”
			3	For Track 131” x 42”
56	267788	Spherical Inner Washer	2	
57	9392-136	Roll Pin 1/4" Dia. x 1 1/2”	2	
58	9392-182	Roll Pin 3/8" Dia. x 2 1/2”	1	
59	9008016	Slotted Jam Nut 1 1/4”-7UNC	1	

(Continued on next page)

42” Track Components (continued)

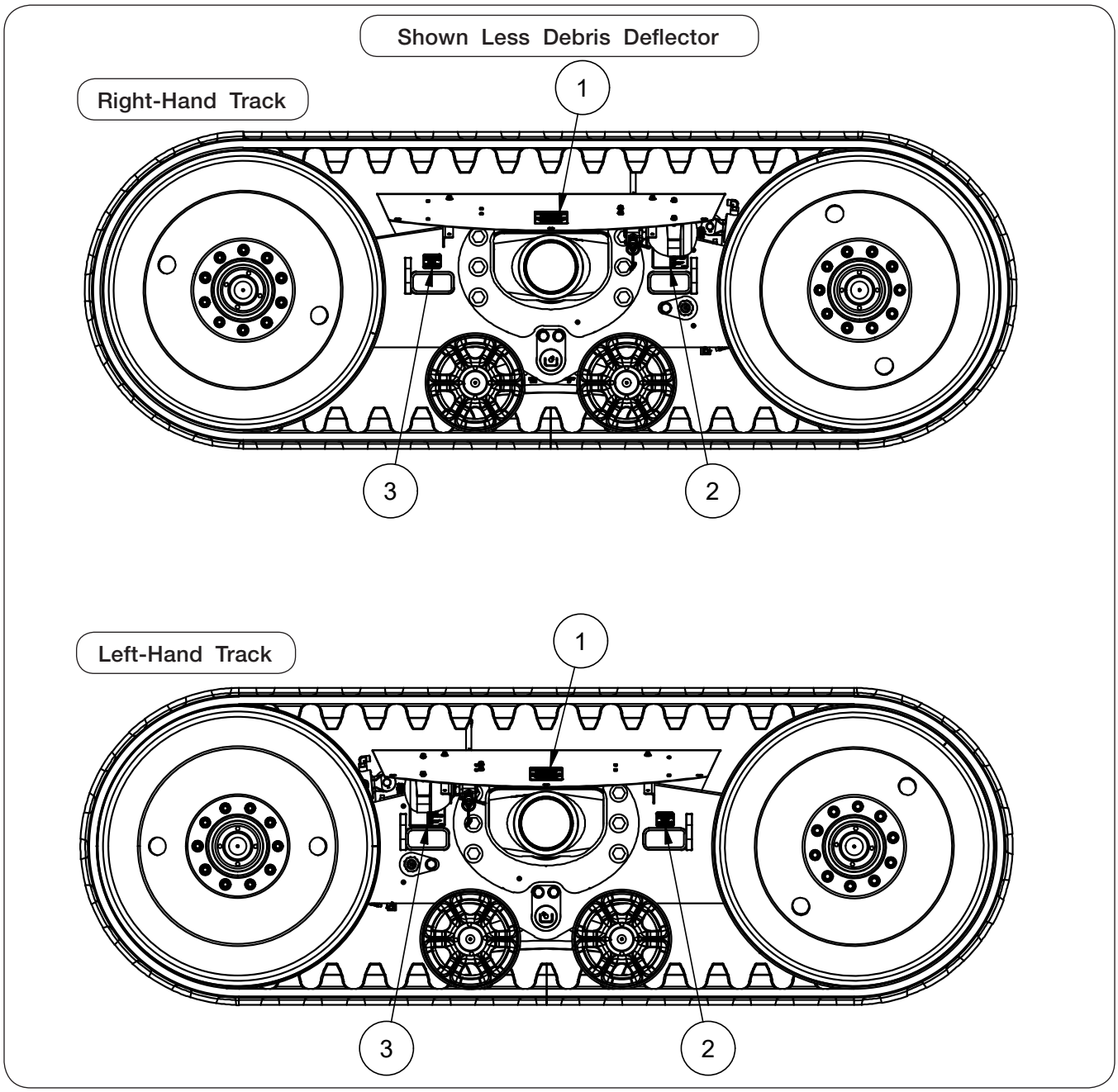
ITEM	PART NO.	DESCRIPTION	QTY	NOTE
60	9393-028	Slotted Nut 1 1/2”-12UNF	1	
61	9392-159	Roll Pin 5/16” Dia. x 2”	1	
61	9404-030	Lock Washer 5/8"	1	
62	9404-033	Lock Washer 3/4" (#10)	9	For Track 148” x 42”
			5	For Track 131” x 42”
63	9405-074	Flat Washer 3/8" SAE	2	
64	267950B	Debris Deflector Plate =Black=	1	For Track 148” x 42”
	267948B			For Track 131” x 42”
65	9405-104	Flat Washer 3/4" SAE	6	For Track 148” x 42”
			4	For Track 131” x 42”
66	9405-112	Flat Washer 7/8" USS	1	
67	9405-118	Flat Washer 1" USS	12	
68	9502324	Flange Nut 5/8-11UNC Grade 5	2	
69	282026	Track Pivot Shaft	2	1100 & 1300 Bushel Carts 1850, 2250 & 2650 Pull-Type Spreaders
70	282397	Washer 8 1/2" OD x 6.063" ID	2	1100 & 1300 Bushel Carts 1850, 2250 & 2650 Pull-Type Spreaders
71	282689B	Cover Plate =Black=	2	
72	282690	Washer 8 1/2" OD x 7.063" ID	2	1100 & 1300 Bushel Carts 1850, 2250 & 2650 Pull-Type Spreaders
			4	1500, 1600 & 2000 Bushel Carts
73	9006816	Adapter 1/8" NPT	2	
74	9390-184	Capscrew 1-8UNC x 2 1/4 Grade 5	8	
75	9404-041	Lock Washer 1"	8	
76	282102	Track Pivot Shaft	1	1500, 1600 & 2000 Bushel Carts
77	282379B	Washer =Black=	2	
78	9008161	Decal, IMPORTANT “Track Operational Guidelines”	2	
79	91299-145	Capscrew, 3/4”-10UNC x 2” G8	1	Apply Medium Strength Thread Locker Upon Reassembly
80	9008154	Tag, IMPORTANT “Track Operation Guide”	1	
81	902614-152	Spiral Pin 1/4” Dia. x 5/8”	4	
82	9009708	Flat Washer 3/4” SAE G9	1	

148” Long Track Decals



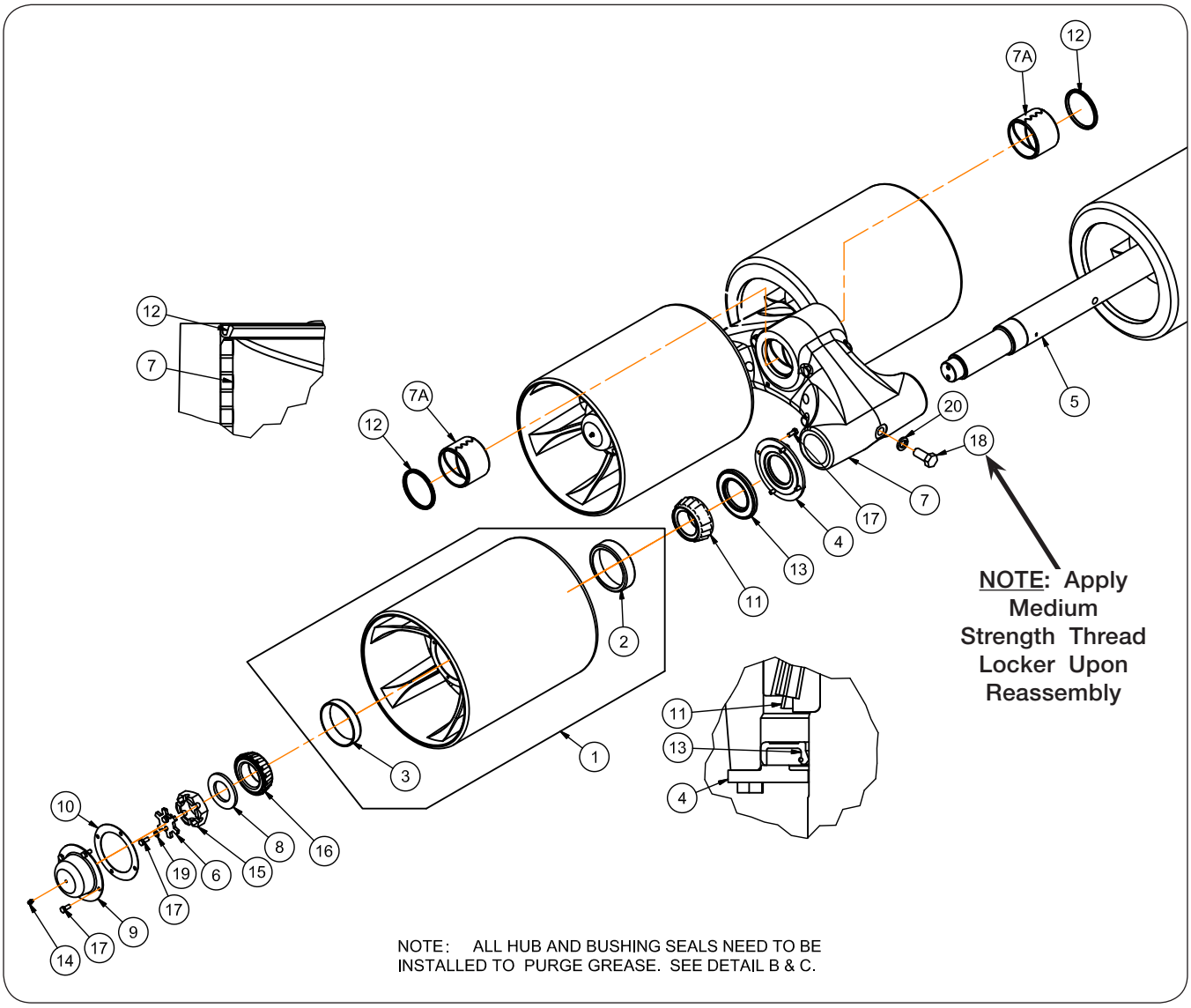
ITEM	PART NO.	DESCRIPTION	QTY	NOTE
1	9008161	Decal, IMPORTANT “Track Operational Guidelines”	2	
2	900024	Decal, WARNING “High-Pressure Fluids…”	2	
3	9008444	Decal, IMPORTANT “Track Pressure 1250 PSI”	2	

131” Long Track Decals



ITEM	PART NO.	DESCRIPTION	QTY	NOTE
1	9008161	Decal, IMPORTANT “Track Operational Guidelines”	2	
2	900024	Decal, WARNING “High-Pressure Fluids…”	2	
3	9006247	Decal, IMPORTANT “Track Pressure 1000 PSI”	2	

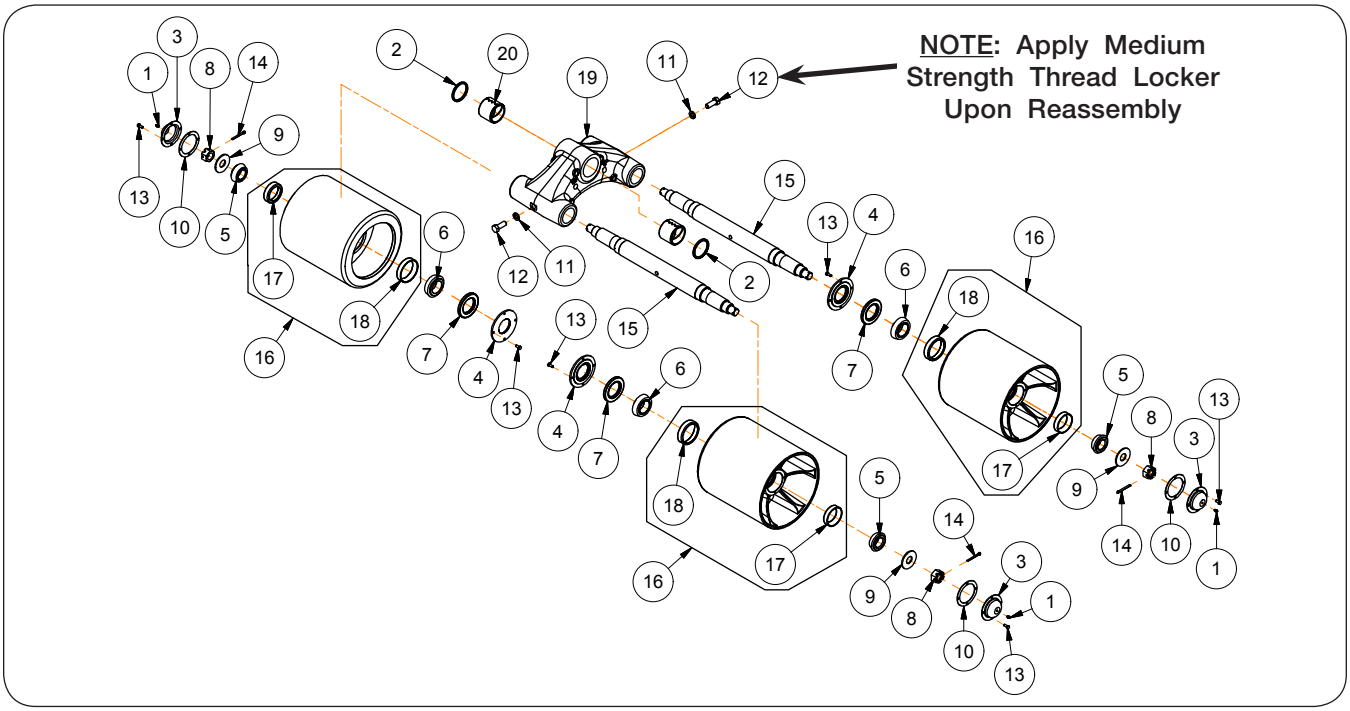
50” Bogie Pivot Assembly Components



50” Bogie Pivot Assembly Components

ITEM	PART NO.	DESCRIPTION	QTY	NOTE
1	110862B	Bogie Wheel Assembly =Black=	4	Includes Items 2 & 3
2	92462	Bearing Cup (HM212011)	1	
3	92733	Bearing Cup (39520)	1	
4	267719B	Seal Guard	4	
5	267720	Spindle 3” Dia. x 35 5/8”	2	
6	267723	Slotted Nut Plate	4	
7	267727B	Bogie Pivot with Bushings =Black=	1	Includes Item 7A
7A	9008299	Split Tension Bushing 4” OD x 3 1/2” ID x 2 13/16”	2	
8	267758	Spindle Washer	4	
9	281881B	Hub Cap =Black=	4	
10	284229	Gasket	4	
11	9008261	Bearing (HM212046)	4	
12	9008300	Seal 4.00” OD x 3.48” ID x 0.250”	2	
13	9008426	Seal 4.921” OD x 2.953” OD x 0.472”	4	
14	91160	Grease Zerk 1/4-28 STT	4	
15	92470	Castle Nut 2-12UNF	4	
16	92734	Bearing Cone (2.50” Dia. Bore) (39585)	4	
17	9390-028	Capscrew 5/16”-18UNC x 3/4” G5	40	
18	91299-145	Capscrew, 3/4”-10UNC x 2” G8	2	Apply Medium Strength Thread Locker Upon Reassembly
19	9404-019	Lock Washer 5/16”	8	
20	9009708	Flat Washer 3/4” SAE G9	2	

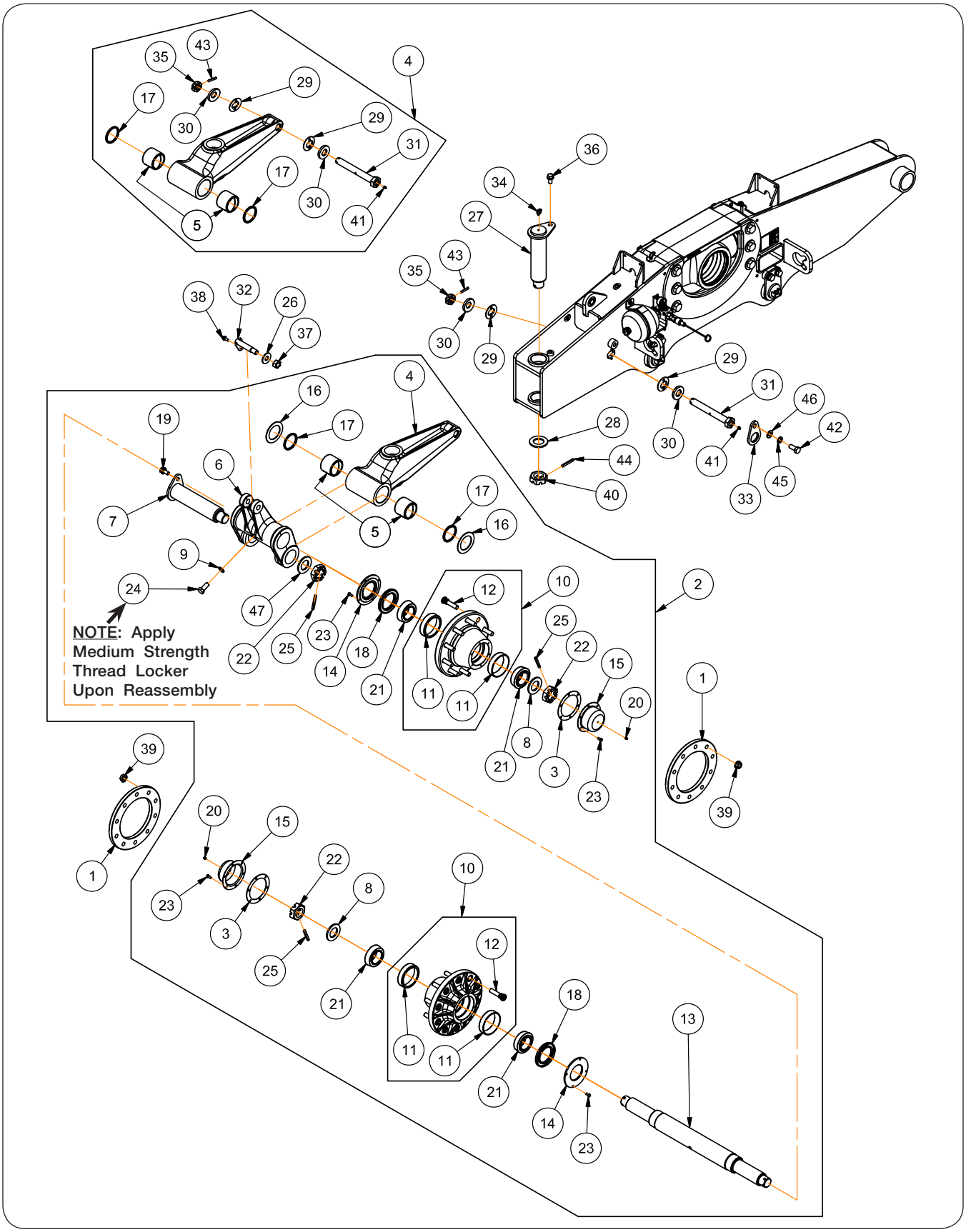
42” Bogie Pivot Assembly Components



ITEM	PART NO.	DESCRIPTION	QTY	NOTE
	282018B	Bogie Pivot Assembly (SHOWN) =Black=	1	For Track 148” x 42”
	283284B	Bogie Pivot Assembly =Black=		For Track 131” x 42”
1	91160	Grease Zerk 1/4-28 STT	4	
2	9005799	Seal 3.50 OD x 3.00 ID Single Lip	2	
3	282372B	Hub Cap =Black=	4	
4	282371B	Seal Plate-Guard =Black=	4	
5	9005794	Bearing Cone #HM803149	4	
6	9005796	Bearing Cone #45289	4	
7	9005798	Seal 4.438 OD x 2.625 ID Single Lip	4	
8	9002721	Slotted Nut 1 1/4-12UNF	4	
9	92471	Spindle Washer 3 1/4 OD x 1.300 ID	4	
10	284221	Hub Cap Gasket	4	
11	9009708	Flat Washer 3/4” SAE G9	2	
12	91299-145	Capscrew, 3/4”-10UNC x 2” G8	2	Apply Medium Strength Thread Locker Upon Reassembly
13	9390-028	Capscrew 5/16-18UNC x 3/4 Grade 5	32	
14	9391-061	Cotter Pin 1/4" Dia. x 2 1/2	4	
15	282019	Spindle 2 3/4" Dia. x 34 11/16	2	
16	19573B	Bogie Wheel 15 x 14 w/Cups =Black=	4	
17	9005795	Bearing Cup #HM803110	1	
18	9005797	Bearing Cup #45220	1	
19	282083B	Bogie Pivot Bracket (SHOWN) =Black=	1	For Track 148” x 42” Includes Item 20
	283288B	Bogie Pivot Bracket =Black=		For Track 131” x 42” Includes Item 20
20	9007163	Split Tension Bushing 3 1/2 OD x 3 ID	2	

Notes

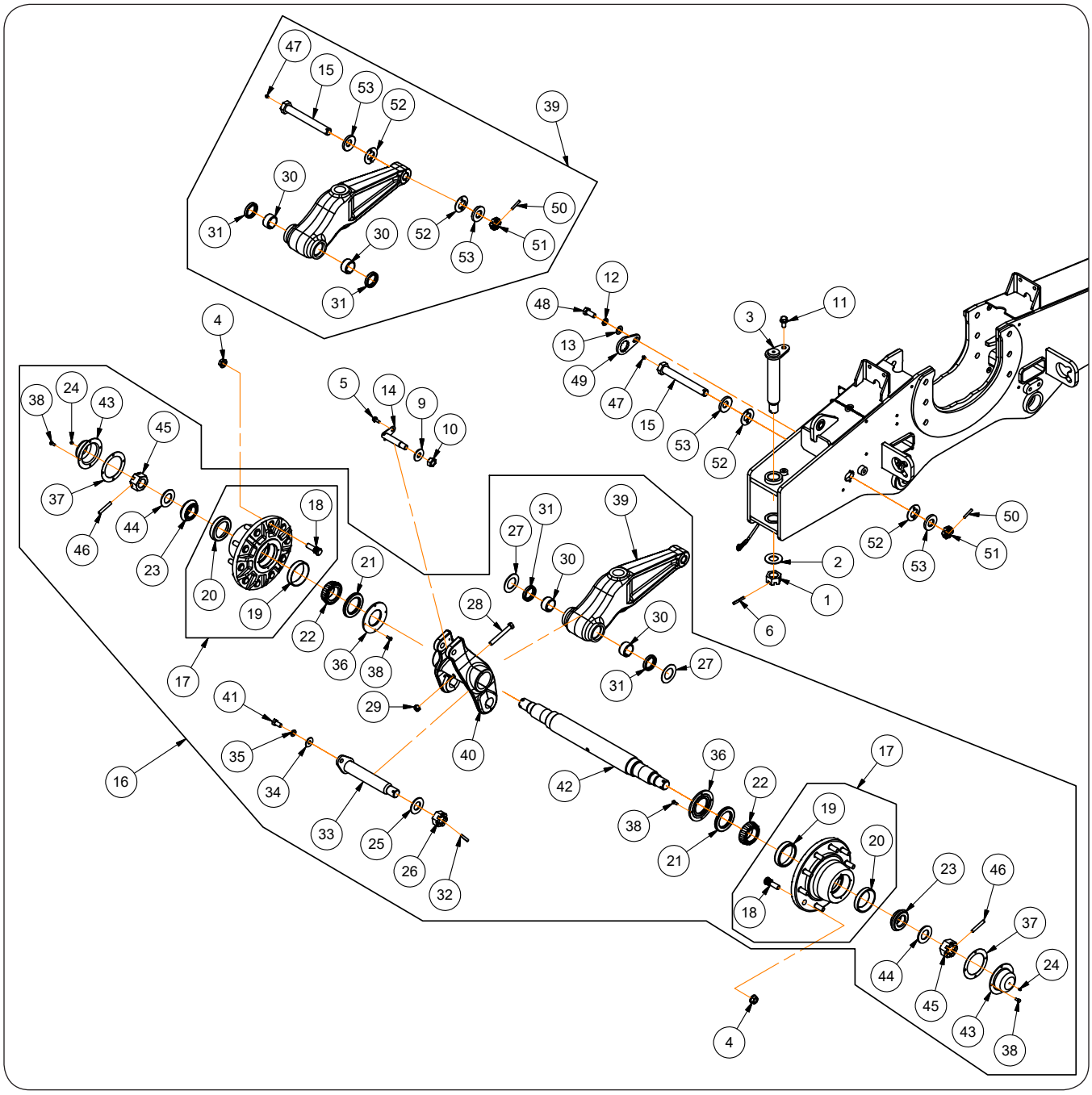
50” Tensioner Components



50” Tensioner Components

ITEM	PART NO.	DESCRIPTION	QTY	NOTE
1	110496SM	Reinforcing Ring (10 Holes)	4	
2	267742B	Tensioner Assembly =Black=	1	Includes Items 3-25
3	267725	Hub Cap Gasket	2	
4	267602B	Track Alignment Replacement Kit =Black=	1	Includes Item #5, 17, 29, 30, 31, 35, 41, 43
5	9007163	Split Tension Bushing 3 1/2 OD x 3 ID x 2 13/16	2	
6	267739B	Tensioner Casting =Black=	1	
7	267743	Tensioner Pin Weldment	1	
8	267758	Spindle Washer	2	
9	9009708	Flat Washer 3/4” SAE G9	1	
10	267784B	Hub with Bearing Cups & Stud Bolts =Black=	2	Includes Items 11 & 12
11	92462	Bearing Cup (HM212011)	2	
12	93333	Stud Bolt 3/4”-16UNF x 3.50	10	
13	267785	Spindle 3 1/2" Dia. x 39 25/32”	1	
14	267786B	Seal Guard =Black=	2	
15	267848	Hub Cap (Bolt-On Type) w/Grease Hole	2	
16	282377	Washer 4 1/2” OD x 3.063” ID	2	
17	9005799	Seal 3.50” OD x 3.0” ID	2	
18	9008425	Seal 5.118”OD x 3.346” ID	2	
19	903161-063	Flange Screw 5/8”-11UNC x 1 1/4” G5	1	
20	91160	Grease Zerk 1/4-28 STT	2	
21	92464	Bearing Cone 2.625 Bore (HM212049)	4	
22	92470	Castle Nut 2-12UNF	3	
23	9390-028	Capscrew 5/16”-18UNC x 3/4” G5	20	
24	91299-145	Capscrew, 3/4”-10UNC x 2” G8	1	Apply Medium Strength Thread Locker Upon Reassembly
25	902614-225	Roll Pin 7/16" Dia. x 3”	3	
26	9405-112	Flat Washer 7/8” USS	1	
27	267756	Alignment Pin Weldment	1	
28	267758B	Spindle Washer =Black=	1	
29	267788	Spherical Inner Washer	2	
30	267789	Spherical Outer Washer	2	
31	267791	Alignment Rod Weldment	1	
32	268189	Pin Weldment	1	
33	282771B	Alignment Bolt Retainer Plate =Black=	1	
34	9006817	90° Street Elbow 1/8-27 Male x 1/8-27 Female	1	
35	9008016	Slotted Jam Nut 1 1/4”-7UNC G2	1	
36	903161-063	Flange Screw 5/8”-11UNC x 1 1/4” G5	1	
37	91141	Locknut/Center 7/8”-9UNC	1	
38	91262	Flange Screw 3/8”-16UNC x 1” G5	15	
39	92458	Wheel Nut 3/4”-16UNF G8	40	
40	92470	Castle Nut 2”-12UNF	3	
41	93426	Grease Zerk 1/8”-27 NPT	4	
42	9390-144	Capscrew 3/4”-10UNC x 1 3/4” G5	10	
43	9392-159	Roll Pin 5/16” Dia. x 2”	1	
44	9392-201	Roll Pin 7/16” Dia. x 3”	3	
45	9404-033	Lock Washer 3/4”	10	
46	9405-104	Flat Washer 3/4” SAE	5	
47	267758B	Spindle Washer =Black=	1	

42” Tensioner Components



ITEM	PART NO.	DESCRIPTION	QTY	NOTE
1	9393-028	Slotted Nut 1 1/2-13UNF Grade 2	1	
2	268620	Washer 3.00 OD x 1.563 ID	1	
3	268627	Alignment Pin Weldment 2" Dia. x 12 9/16	1	
4	92458	Wheel Nut 3/4-16UNF	40	
5	91262	Flange Screw 3/8-16UNC x 1	20	
6	9392-182	Roll Pin 3/8" Dia. x 2 1/2	1	
9	9405-112	Flat Washer 7/8 USS	1	
10	91141	Locknut 7/8-9UNC	1	
11	903161-063	Flange Screw 5/8-11UNC x 1 1/4 Grade 5	1	

42” Tensioner Components

ITEM	PART NO.	DESCRIPTION	QTY	NOTE
12	9404-033	Lock Washer 3/4"	1	
13	9405-104	Flat Washer 3/4" SAE	1	
14	268189	Pin Weldment 1" Dia. x 5 1/2	1	
15	9006454	Alignment Rod Weldment	1	
16	267921B	Tensioner Assembly (Black)	1	
17	268606B	Hub Assembly #871 w/Bearing Cups & Stud Bolts =Black=	2	
18	9004943	Stud Bolt 3/4-16UNF x 2.75 (Drive In Wheel Bolt)	10	
19	92733	Bearing Cup 4.4375” Dia. #39585	1	
20	9005457	Bearing Cup 4.375” Dia. #55437	1	
21	92825	Seal 3" #30454SA	2	
22	92734	Bearing Cone #39585 (2.5 Bore)	2	
23	9005458	Bearing Cone #55200C (2.000 Bore)	2	
24	91160	Grease Zerk 1/4-28 STT	2	
25	268620	Washer 3" OD	1	
26	9393-028	Slotted Nut 1 1/2-12UNF	1	
27	268542	Washer 3 1/2 OD x 2.063 ID	2	
28	9390-134	Capscrew 5/8-11UNC x 5 Grade 5	1	
29	95905	Locknut 5/8-11UNC	1	
30	9005456	Tension Bushing 2 3/8 OD x 2 ID x 1 1/4	2	
31	9005461	Seal 2.75 OD x 2.00 ID	2	
32	9392-182	Roll Pin 3/8" Dia. x 2 1/2	1	
33	268627	Alignment Pin Weldment 2" Dia. x 12 9/16	1	
34	9405-100	Flat Washer 5/8" USS	1	
35	9404-030	Lock Washer 5/8"	1	
36	268164B	Seal Guard =Black=	2	
37	284229	Hub Cap Gasket	2	
38	9390-028	Capscrew 5/16-18UNC x 3/4 Grade 5	16	
39	267601B	Track Alignment Assembly (Black)	1	Includes Item #15, 30, 31, 47, 50, 51, 52, 53
40	268271B	Tensioner Bracket =Black=	1	
41	9390-121	Capscrew 5/8-11UNC x 1 1/4 Grade 5	1	
42	282017	Spindle 3 1/4" Dia. x 34 1/8	1	
43	281881B	Hub Cap (Bolt-On Type) w/Grease Hole =Black=	2	
44	9007230	Spindle Washer 3 1/4" OD x 1.800" ID (Hardened)	2	
45	9007231	Slotted Hex Nut 1 3/4-12	2	
46	902614-225	Roll Pin 7/16" Dia. x 3	2	
47	93426	Grease Zerk 1/4-27 NPT	1	
48	9390-144	Capscrew 3/4-10UNC x 1 3/4 Grade 5	1	
49	282771B	Bolt Alignment Retainer Plate =Black=	1	
50	9392-159	Roll Pin 5/16” Dia. x 2”	1	
51	9008016	Slotted Jam Nut 1 1/4”-7UNC G2	1	
52	267788	Spherical Inner Washer	2	
53	267789	Spherical Outer Washer	2	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