



## Lift Assist Update 3P806NT & 3P1006NT



*When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!*

## General Information

These instructions explain how to install a Lift Assist Update. One kit updates one drill.

One kit includes: see “**Kit Contents**” on page 15.

| Kit      | Kit Description                 |
|----------|---------------------------------|
| 124-051A | 806-1006 LIFT ASSIST MOUNT ASSY |

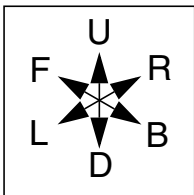
This update applies to all 3P806NT and 3P1006NT drills with dual cylinder lift assists. It modifies them to current production standards to have the single cylinder lift assist.

## Related Documents

For drill operations and parts ID have the Parts Manual and Operator Manual available.

|          |                          |
|----------|--------------------------|
| 151-143P | 3P806NT Parts Manual     |
| 151-143M | 3P806NT Operator Manual  |
| 151-144P | 3P1006NT Parts Manual    |
| 151-144M | 3P1006NT Operator Manual |

## Notations and Conventions



“Left” and “Right” are facing in the direction of machine travel. An orientation rose in the line art illustrations shows the directions of Left, Right, Front, Back, Up, Down.

## Call-Outs

- ① to ⑨ Single-digit callouts identify components in the currently referenced Figure. These numbers may be reused for different items from page to page.
- ⑫ to ⑤③ Two-digit callouts in the range 12 to 53 reference new parts from the list on page 15.
- ⑥① to ⑧② Two-digit callouts in the range 61 to 82 reference existing parts from the list on page 16.

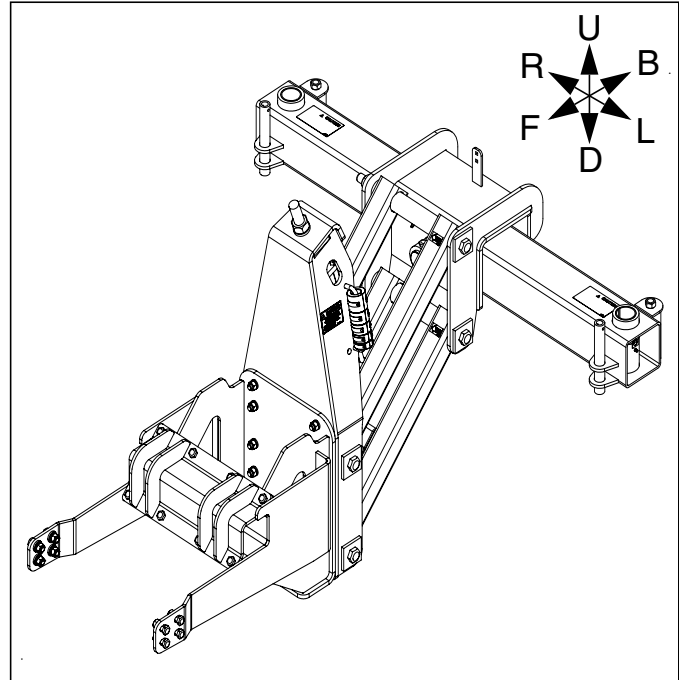


Figure 1  
Lift Assist Update

32132

## Pre-Assembly Preparation

### Tools Required

- two jack stands to support implement frame
- hoist (1000 lb capacity) to aid in moving heavy parts
- basic hand tools

### Work Location

1. Move the implement to a location with:
  - flat, smooth non-flammable surface free of combustibles
  - adequate illumination
  - clear surface beneath for recovery of any falling or dropped parts

### Prepare Implement

2. Secure for safety.



*Crushing and Sharp Object Hazards:  
Be careful working under raised implement.*

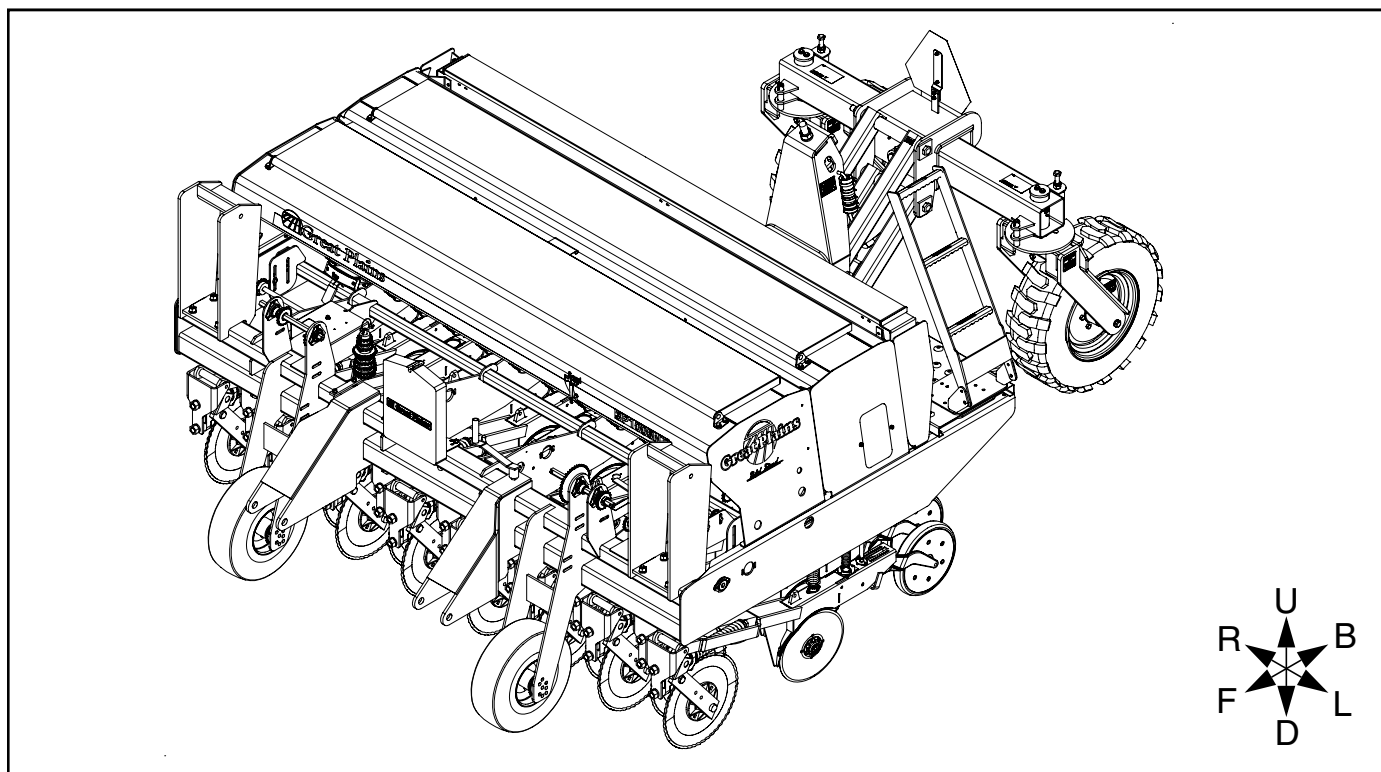


Figure 2  
Implement with New Lift Assist

28213

# Remove Old Lift Assist

## Remove Hydraulic Cylinders and Hoses

Refer to Figure 3

### Preparation

1. If lift assist lock channels or stroke control spacers are installed, raise drill and remove them.
2. Support the drill frame with a jack placed at each end under the frame plate ① (see Figure 4).
3. Put remote outlet in Float to remove hydraulic pressure.

### **⚠ WARNING**

Escaping fluid under pressure can have sufficient pressure to penetrate the skin. Check all hydraulic lines and fittings before applying pressure. Fluid escaping from a very small hole can be almost invisible. Use paper or cardboard, not body parts, and wear heavy gloves to check for suspected leaks. If injured, seek immediate medical attention from a physician familiar with this type of injury.

### Remove Hydraulic Hoses

4. Disconnect each hose connection ⑧① at top (base end) of hydraulic cylinder.
5. Remove all seven clips (bolts, lock washers and nuts) ⑦④ holding hoses to the underneath part of the walkboard and along both sides of the frame.
6. Undo the ends of each cylinder hose ⑧① from the end ports of the tee ⑦⑨.
7. Undo the end of the tractor feed-line ⑧① from the tee ⑦⑨.

*Save the tractor feed-line hose, it is reused.*

⑧① 841-286C HH1/4R2 134 9/16FJIC 1/2MNP

*Save the hose clips, they are reused.*

⑥⑨ 800-239C 1.125 WIRING AND TUBE CLIP

*Save the bolts, lock spring washers and nuts that go with the clips. They are reused.*

⑦① 802-017C HHCS 3/8-16X1 GR5

⑦④ 803-014C NUT HEX 3/8-16 PLT

⑦⑥ 804-013C WASHER LOCK SPRING 3/8 PLT

### Remove Cylinders

8. Remove pin clevis, cotter pin and washer to release the cylinder from the eyebolt. Remove pin clevis and fasteners holding bottom of cylinder to assist arm. *Remove both cylinders, they are not reused.*

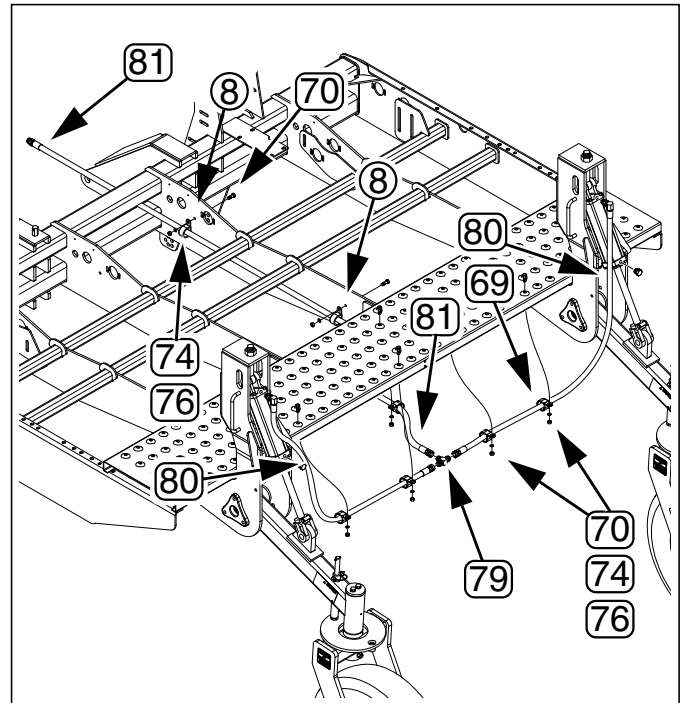


Figure 3  
Disassemble Hydraulic Lines

28404

## Remove Dual Caster Assemblies

Refer to Figure 4 and Figure 5

9. Use a hoist to assist in the removal of the casters. Have hoist strap in place on caster before proceeding with the following steps.
10. Leave the bolt and nut underneath the caster frame secured:
  - ③① 802-060C HHCS 5/8-11X4 GR5
  - ③③ 803-024C NUT LOCK 5/8-11 PLT
11. Disassemble and save two each:
  - ⑦③ 802-258C HHCS 1/2-13X1 GR5
  - ⑦⑦ 804-015C WASHER LOCK SPRING 1/2 PLT
 and one each:
  - ⑥⑤ 124-159D CASTER CAP

Free the caster shaft ⑥⑥ (with caster frame and wheel remaining attached) by removing the two top bolts, two lock washers and caster cap on top of the shaft.
12. With hoist, set both casters aside. *Save both casters, they are reused with new mount arm.*

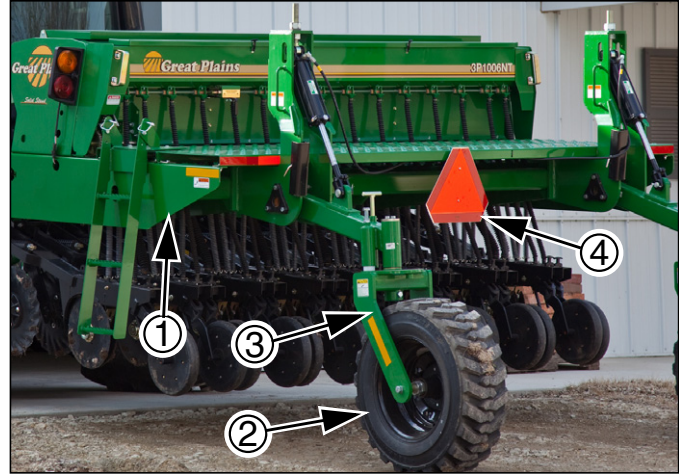


Figure 4  
Dual Caster Lift Assist

32139

## Remove and Save Lock Tube Parts

Refer to Figure 5

13. Disassemble lock tube and save one each: plunger lock pin, round plate, UHMW block and spring. *They are reused.*
  - ⑥④ 124-046H TRANSPORT LOCK PIN
  - ⑥⑦ 266-012D PLATE RND 3/16" THK 1 7/8" DIA
  - ⑥⑧ 266-020D UHMW RND 2.0 DIA X 2.0 LONG
  - ⑦⑧ 807-143C SPRING COMP 1.88OD x .362W*Save one each nut and bolt, they are reused.*
  - ⑦② 802-067C HHCS 3/4-10X4 GR5 FTHD
  - ⑦⑤ 803-048C NUT HEX JAM 3/4-10 PLT

## Remove and Save SMV Sign

14. Remove and save SMV sign ④, *it is reused.*

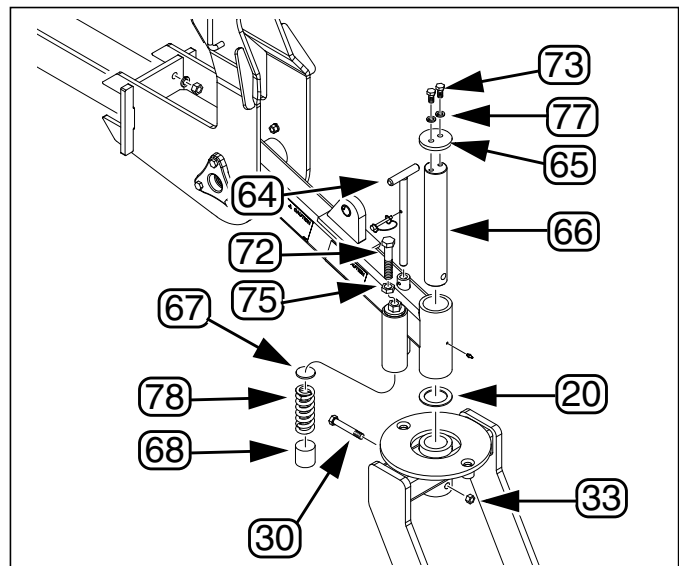


Figure 5  
Caster Shaft and Lock Tube

32142

## Remove Frame Mount and Lift Assist Arm

### *Refer to Figure 6*

Use a hoist to assist in removal of the mount and arm.

15. On each mount weldment remove the two sets of nuts, washers and U-bolts.

This releases the frame mount with the arm weldment attached.

*Neither the frame mount nor the arm will be reused.*

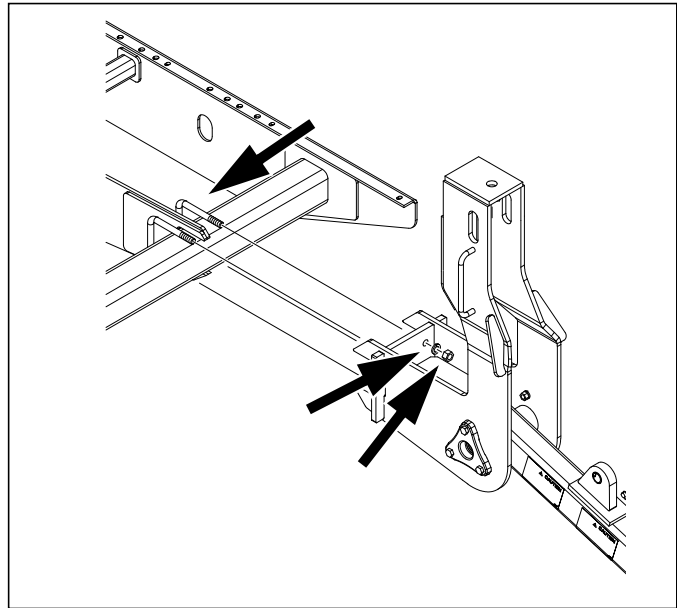


Figure 6  
Remove Frame Mount and Arm

32142

# Install New Lift Assist

## Attach Pivot to Caster Arm

Refer to Figure 7

16. Select new lift assist caster arm:

(17) 151-184H 1006 LIFT ASSIST CASTER ARM

Select new pivot mount:

(12) 151-171H LIFT ASSIST REAR PVT MNT

and one:

(18) 151-381D LIFT ASSIST AXLE PIVOT PIN

and two:

(20) 161-056D CASTER SPACER

17. Orient the pivot mount (12) with the (front) parallel arm plates (8) on the pivot lock (64) (front) side of the pivot arm weldment (17). The caster stabilizers (68) are on the rear side of the pivot arm. Align the pivot holes.

Note: The lock out plunger (64) MUST be facing to the front of the drill. If it is facing to the rear, the pivot arm tube is on backwards and must be switched.

### NOTICE

#### Part Damage Risks:

During pivot pin (18) insertion, take care to avoid damaging the spacers (20) or dislodging the bushings (82).

18. Insert one spacer (20) between the front holes of the pivot mount (12) and pivot arm (17). From the front, insert the threaded end of the pin (18) into the pivot mount. Carefully adjust the spacer position until the pin passes through it.
19. Insert one spacer (20) between the rear holes of the pivot mount (12) and pivot arm (17). Carefully adjust the spacer position until the pin passes through it.
20. Select one each:
- (30) 802-060C HHCS 5/8-11X4 GR5
- (33) 803-024C NUT LOCK 5/8-11 PLT
- Align the pin bolt hole (18) with the bolt hole in the front tube of the pivot mount (12). From the top, insert the bolt (30). Secure with lock nut (33). Use Grade 2 torque.
21. Select one each:
- (25) 500-064D WASHER - SAFETY CHAIN SA
- (34) 803-031C NUT HEX 1-8 PLT
- (37) 804-027C WASHER LOCK SPRING 1 PLT
- At the threaded end of the pivot pin (18), add a flat washer (25), lock washer (37) and nut (34). Tighten nut to Grade 2 torque.

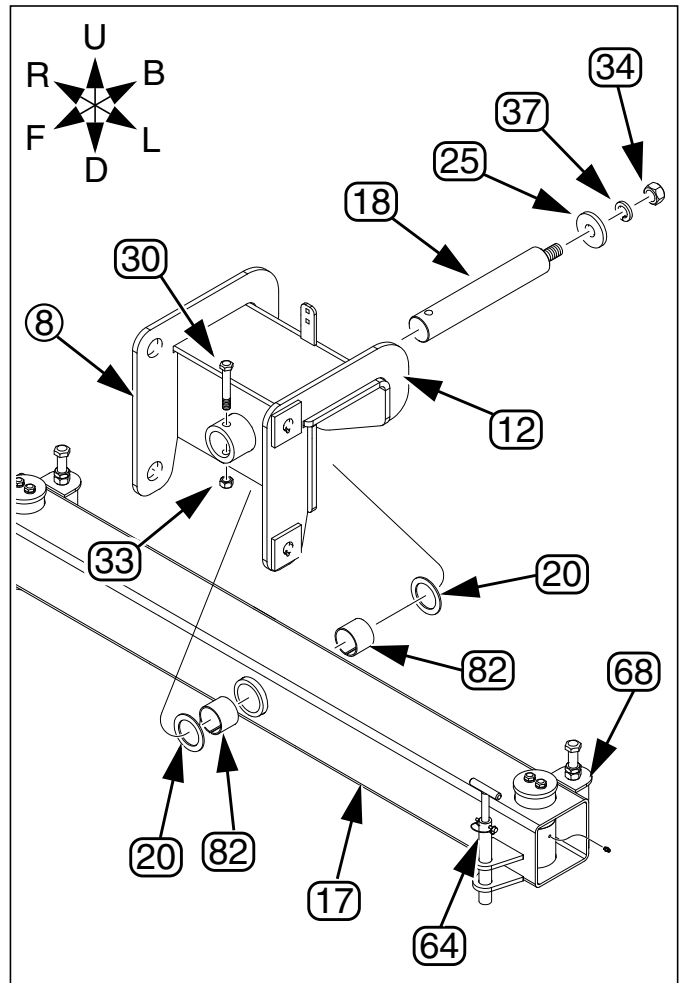


Figure 7  
Rear Pivot Installation

32150

## Install Casters

Refer to Figure 8

### Install Lock Out Plunger

22. Select one each:

⑥④ 124-046H TRANSPORT LOCK PIN

Insert transport lock pin ⑥④ in top of plunger tube ②.

Note: The lock out plunger tube ② **MUST** be facing to the front of the drill. If it is facing to the rear, the pivot arm tube is on backwards and must be switched.

### Install Lock Tube

23. Select one each:

⑥⑧ 266-020D UHMW RND 2.0 DIA X 2.0 LONG

⑦⑧ 807-143C SPRING COMP 1.880D x .362W

⑥⑦ 266-012D PLATE RND 3/16" THK 1 7/8" DIA

⑦② 802-067C HHCS 3/4-10X4 GR5 FTHD

⑦⑤ 803-048C NUT HEX JAM 3/4-10 PLT

Assemble UHMW block ⑥⑧, spring ⑦⑧ and small round plate ⑥⑦. Push up inside lock tube.

24. Complete with nut ⑦⑤ and bolt ⑦② and adjust. See "Caster Brake Adjustment" on page 8.

### Install Casters

25. Place caster shaft ⑥⑥ up through new update caster arm tube.

If bushings are not already in arm, using a mallet, drive one bushing ⑧② into shaft hole on arm tube bottom and one in top hole of arm tube.

26. Select saved caster cap:

⑥⑤ 124-159D CASTER CAP

and saved bolts and washers, two each:

⑦① 802-034C HHCS 1/2-13X1 1/4 GR5

⑦⑦ 804-015C WASHER LOCK SPRING 1/2 PLT

Complete assembling shaft by placing caster retaining cap ⑥⑤ on top and securing with two washer lock springs ⑦⑦ and two bolts ⑦①.

27. Select one:

②⑥ 800-001C GREASE ZERK STRAIGHT 1/4-28

Install zerk ②⑥ in shaft at end of pivot arm tube.

28. Repeat same steps for other caster.

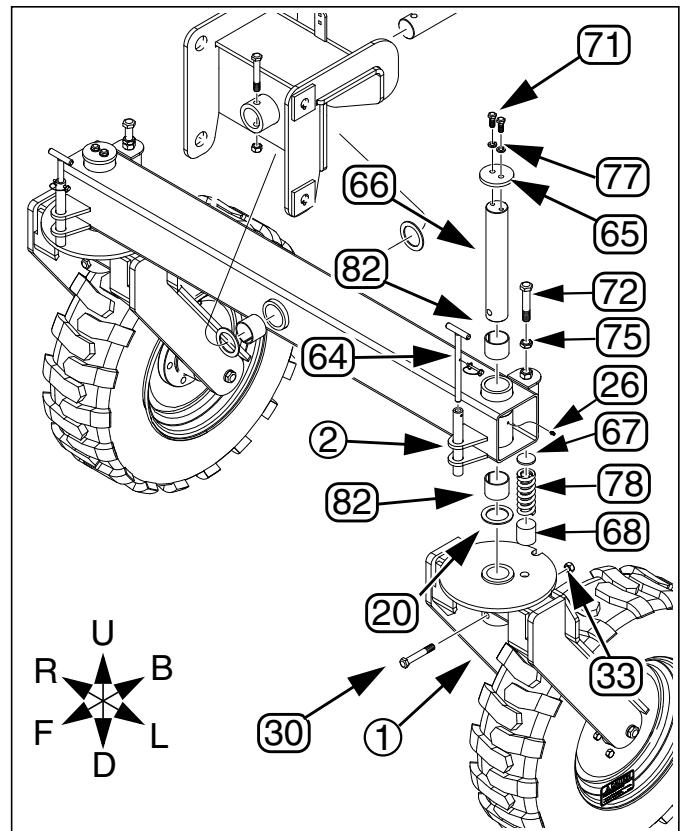


Figure 8  
Caster Shaft Installation

32133

## Caster Brake Adjustment

### Refer to Figure 9

The rear lift-assist wheels each have independent adjusters for the caster pivot. The adjustments will vary depending on different field-to-field conditions as well as road transport conditions.

#### Caster Pressure Plate and Tube:

The tube acts as a pivot brake ①, and helps prevent caster oscillation during transport.

If the caster is oscillating during transport turns or in field use, adjust the pressure plate bolt ②.

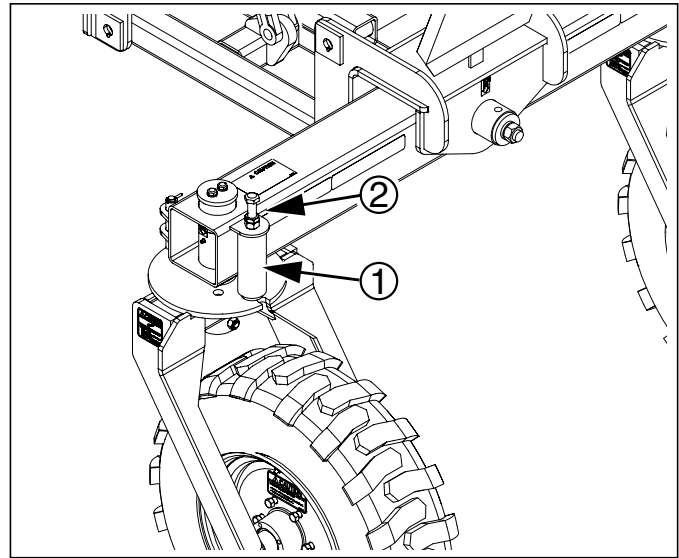


Figure 9  
Rear Caster Adjustments  
(s/n A1059W+)

32058

### Refer to Figure 10

The factory setting for both adjustments is  $1\frac{3}{4}$ in (4.4cm) from the face of the bolt head to the top of the weldment, this measurement is a starting point and will need to be fine tuned from field-to-field as conditions vary. Depending on conditions, adjustment may be needed to go from field to road transport. If caster brake components are ever replaced, return the bolts to the factory setting.

### Pressure Plate Adjustment

1. Loosen the jam nut ③.
2. Turn the bolt ② clockwise until the spring is fully compressed.
3. Back the bolt out  $\frac{1}{4}$ in (6mm).
4. Tighten the jam nut.

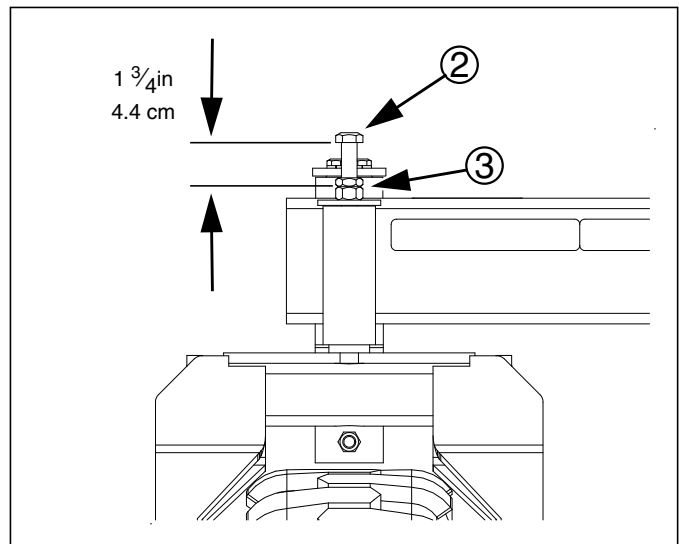


Figure 10  
Rear Caster Adjustment Bolts  
(left side shown)

32059

## Attach New Lift-Assist Frame Mount

*Refer to Figure 11*

## Attach Clamp and Spacers

30. Select two each:  
 (19) 151-384D LIFT ASSIST MOUNT CLAMP SPACER  
 and one each:  
 (16) 151-180H LIFT ASSIST MOUNT CLAMP WLDMMT  
 and eight each:  
 (29) 802-057C HHCS 5/8-11X2 1/4 GR5  
 (32) 803-021C NUT HEX 5/8-11 PLT  
 (36) 804-022C WASHER LOCK SPRING 5/8 PLT

Position both clamp spacers (19). Place lift assist mount clamp weldment (16) on top of spacers. Secure with bolts, washers and nuts.

## Frame Mount Weldment

31. Select one new frame mount:  
 15 151-179H LIFT ASSIST FRAME MNT WLDMMNT  
 and eight each bolts, washers, nuts:  
 27 802-053C HHCS 5/8-11X1 3/4 GR5  
 32 803-021C NUT HEX 5/8-11 PLT  
 36 804-022C WASHER LOCK SPRING 5/8 PLT  
 40 804-195C WASHER FLAT 1.31IDX.65IDX.188T

32. Mark hole placement on frame.
33. Drill holes then attach mount weldment (15) using one set of bolts, washers, and nuts per hole.

## Attach Lift-Assist Bolt On Mount

34. Select one:
- ☒ 151-172H LIFT ASSIST BOLT ON MOUNT  
and ten each:
- ☐ 802-055C HHCS 5/8-11X2 GR5
- ☐ 804-022C WASHER LOCK SPRING 5/8 PLT
- ☐ 803-021C NUT HEX 5/8-11 PLT

Attach lift assist bolt on mount (13) to frame mount weldment (15) using bolts, washers and nuts.

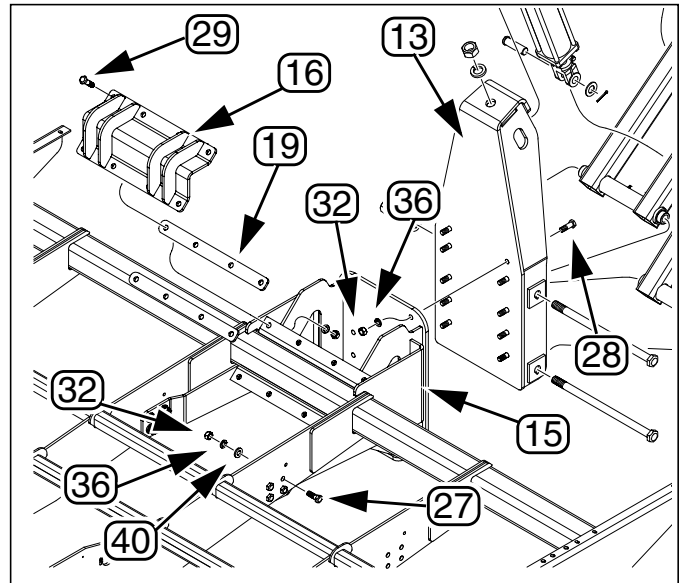


Figure 11  
Install Frame Mount Weldment  
and Bolt On Mount

32068

## Connect Parallel Arms

Refer to Figure 12 and Figure 13

### Lower Parallel Arm

35. Select one:

(14) 151-173H LIFT ASSIST LWR PARALLEL ARM

Note: The lower parallel arms (14) have a cross-tube with a cylinder lug (1). The arms are installed with the cross-tube closer to the front, lug up, and lug pointing to the rear.

36. Select one set:

(31) 802-728C HHCS 1-8X18 GR5

(38) 804-029C WASHER FLAT 1 SAE

(37) 804-027C WASHER LOCK SPRING 1 PLT

(34) 803-031C NUT HEX 1-8 PLT

(23) 196-654D 40P CASTER INNER PIVOT TUBE

37. Bring the forward tube of the lower arms (14) into alignment with the lower holes (2) of the lift-assist mount (13). Insert inner pivot tube (23), a bolt (31). Add a flat washer (38) and lock washer (37). Secure with nut (34), tightened to Grade 2 torque.

38. Select one set:

(31) 802-728C HHCS 1-8X18 GR5

(38) 804-029C WASHER FLAT 1 SAE

(37) 804-027C WASHER LOCK SPRING 1 PLT

(34) 803-031C NUT HEX 1-8 PLT

(23) 196-654D 40P CASTER INNER PIVOT TUBE

Bring the lower holes (3) of the lift-assist pivot (12) into alignment with the rear tube of the lower arms (14). Insert inner pivot tube (23), a bolt (31). Add a flat washer (38) and lock washer (37). Secure with nut (34), tightened to Grade 2 torque.

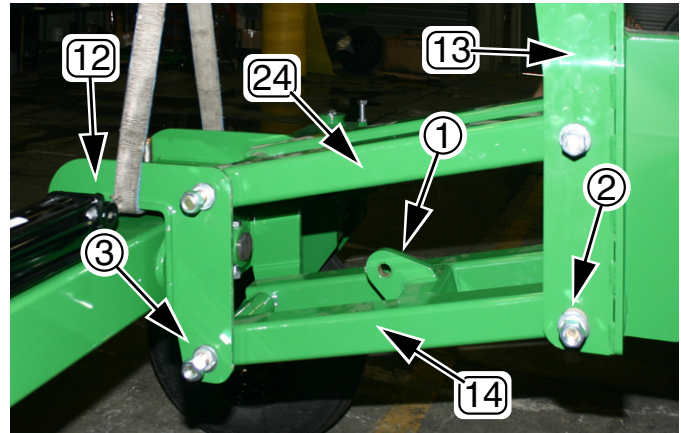


Figure 12  
Parallel Arms Installed

32123

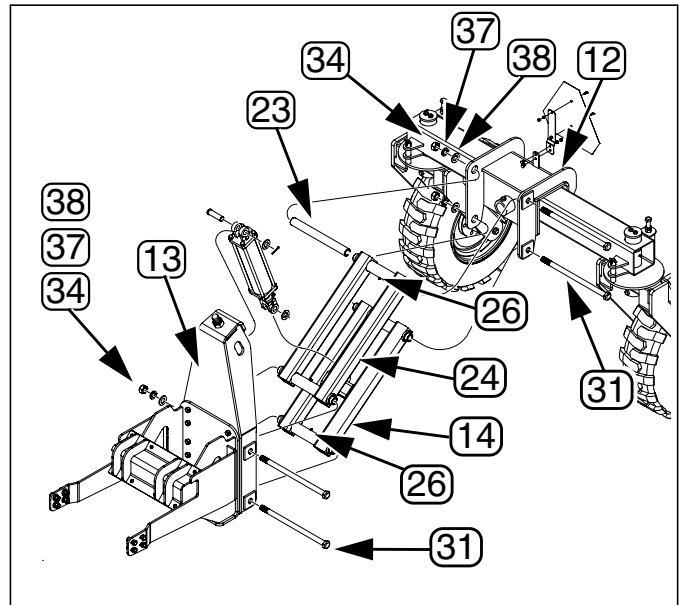


Figure 13  
Parallel Arm Parts

32116

### Upper Parallel Arm

39. Select one:

(24) 402-172H 16R PARALLEL ARM WLD MNT

Note: The upper parallel arms are symmetrical. There is no top, bottom, front or back.

40. Repeat step 36 through step 38 for the upper arms and upper holes.

### Install Zerks

41. Select four:

(26) 800-001C GREASE ZERK STRAIGHT 1/4-28

Install one zerk (26) in middle of top and bottom cross bar of each parallel arm.

# Install Hydraulics

## Install Hydraulic Cylinder

Refer to Figure 14

42. Select one each:

- ④④ 810-316C CYL 3.5X12X1.25 ROD (TIE RO
- ②① 161-107H NTA35 WING EYEBOLT WELDMENT
- ③⑨ 804-030C WASHER LOCK 1 1/4 SPRING PL
- ④③ 805-159C PIN CLEVIS 1 X 3 1/8 GR5 PL
- ③⑤ 803-034C NUT HEX 1 1/4-7 PLT
- ⑤③ 890-005C BUSHING CYL 1 1/4 X 1 X 1
- ④② 805-104C PIN COTTER 3/16 X 1 1/2 PLT

Thread one nut ③⑤ on eyebolt ②① before placing on the inside and up through top of the bolt on mount ①③. Secure exposed eyebolt on top of mount with washer ③⑨ and second nut ③⑤.

Place bushing ⑤③ (not shown) through eye of eyebolt ②① then center hydraulic cylinder over eye of eyebolt and insert pin clevis ④③ through one side slot on mount, secure on other side with flat washer ③⑧ and cotter pin ④②.

43. Select one each:

- ④③ 805-159C PIN CLEVIS 1 X 3 1/8 GR5 PL
- ③⑧ 804-029C WASHER FLAT 1 SAE
- ④② 805-104C PIN COTTER 3/16 X 1 1/2 PLT
- ④⑦ 811-722C BREATHER PLUG 9/16-18 MORB

Secure bottom of cylinder to lift assist (on lower parallel arm at cylinder lug) using pin clevis ④③, flat washer ③⑧ and cotter pin ④②.

Breather plug should already be installed in rod end of cylinder.

44. Put remote outlet in float to remove hydraulic pressure.

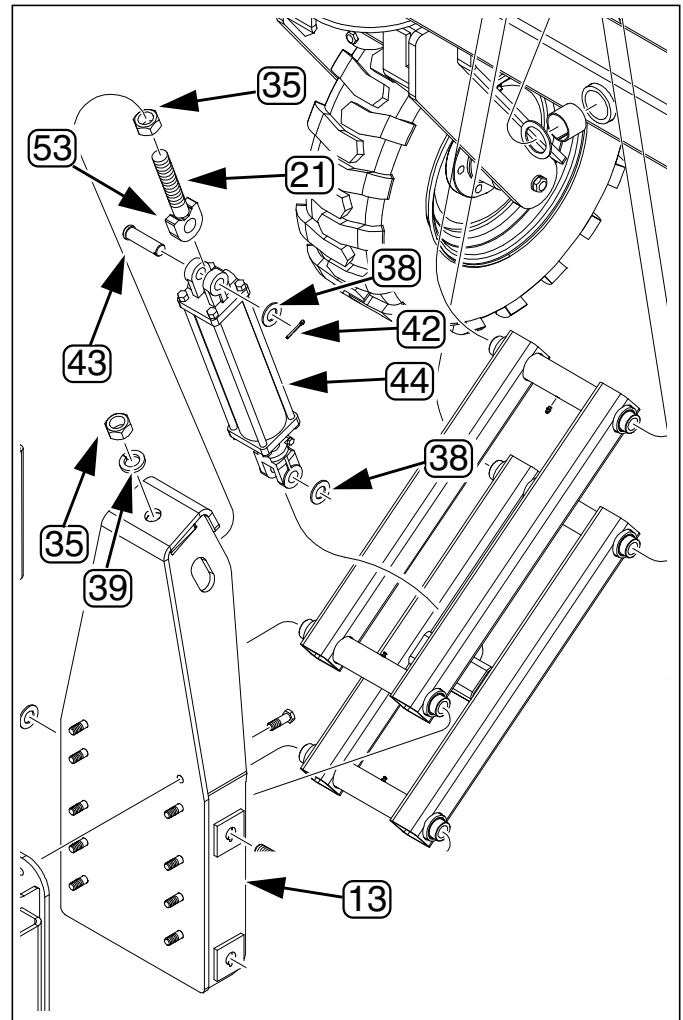
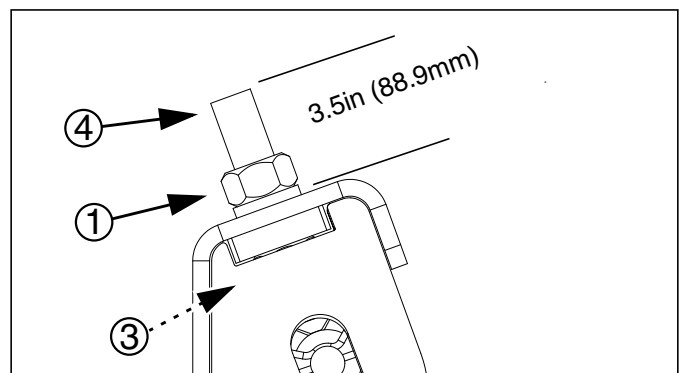


Figure 14  
Hydraulic Cylinder

32151

## Eyebolt Adjustment

- 45. To start with, adjust eyebolt ④ length to 3.5 inches.
- 46. Loosen the jam nut ①
- 47. Rotate the adjuster nut ③ (under weldment top, not visible in figure) by amount of change required. Check eyebolt ④ length.
- 48. Tighten the jam nut.



## Install Hydraulic Hose

Refer to Figure 15

49. Select saved hose:

(81) 841-286C HH1/4R2 134 9/16FJIC 1/2MNP  
and one each:

(46) 811-065C EL 9/16MJIC 9/16MORB

(81) 841-286C HH1/4R2 134 9/16FJIC 1/2MNP

50. At the MORB fitting, fully back off the jam nut. Loosely connect the MORB end of hose to the top (base end) port of the cylinder. Orient the elbow so that the hose route is down. Do *not* tighten ORB fitting or its jam nut.

51. Secure the FJIC end of hose (81) to the end port of the elbow (46). Tighten to specification.

52. Select two sets:

(69) 800-239C 1.125 WIRING AND TUBE CLIP

(70) 802-017C HHCS 3/8-16X1 GR5

(76) 804-013C WASHER LOCK SPRING 3/8 PLT

(74) 803-014C NUT HEX 3/8-16 PLT

Note: The hose is secured to the frame brace plate at two points.

53. Place the clip (69) around the feed-line hose (81). Insert the bolt (70). Loosely secure with lock washer (76) and nut (74). Tighten the nut.

54. Feed-line hose (81) terminates in a 1/2in male NPT fitting. Adapt this to the style and size of coupler required to connect the drill to a hydraulic source for the next step. The drill does not include a coupler for this purpose. If fitting the coupler for the tractor to be used with this drill in the field, apply liquid sealant to the threads before making the connection. Do not use plastic tape sealant.

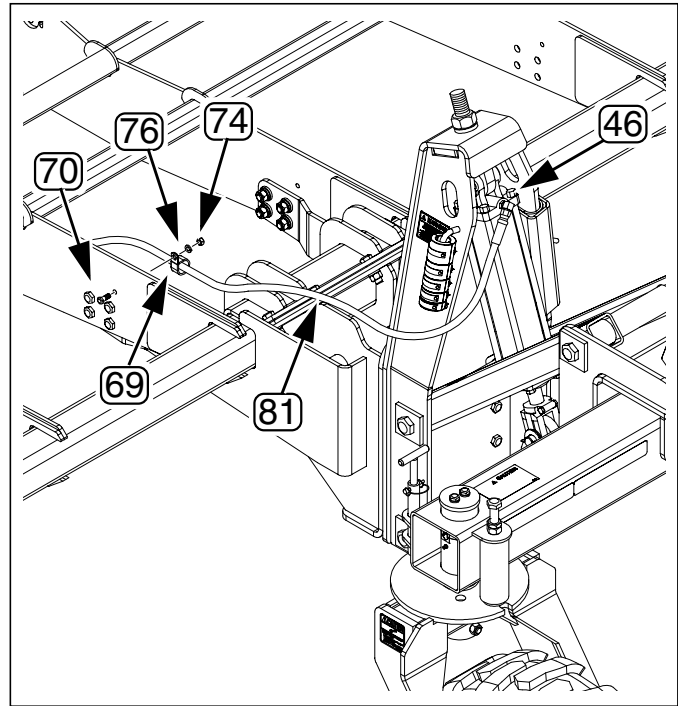


Figure 15  
Install Hydraulic Line

32134

## Charge and Bleed

Refer to Figure 16

### NOTICE

Perform this bleed only with the hydraulic system empty or in Float. Cracking an ORB fitting on a pressurized system will damage the O-ring.

### WARNING

Escaping fluid under pressure can have sufficient pressure to penetrate the skin. Check all hydraulic lines and fittings before applying pressure. Fluid escaping from a very small hole can be almost invisible. Use paper or cardboard, not body parts, and wear heavy gloves to check for suspected leaks. If injured, seek immediate medical attention from a physician familiar with this type of injury.

### NOTICE

Bleed pressurized lines only at:

JIC (Joint Industry Conference, 37° flare) or  
NPT (National Pipe Thread, tapered thread) fittings.

Never bleed pressurized lines at:

ORB (O-Ring Boss) or  
QD (Quick Disconnect) fittings.

55. Check hydraulic fluid in tractor reservoir and fill reservoir to proper level. Add fluid to system as needed. A low reservoir level may introduce air into the system, causing jerky or uneven cylinder movements.
56. Hitch drill to tractor.
57. If lift-assist lock channel or stroke control spacers are installed, raise drill and remove them.
58. Fully lower drill.
59. Set tractor lift circuit to Float and shut off tractor.
60. Crack (slightly loosen) JIC connection ① at elbow fitting.
61. Start tractor. Slowly Extend lift-assist circuit until oil seeps at cracked fitting.
62. Set circuit to Neutral and shut off tractor.
63. Tighten JIC fittings to 18-20 ft-lbs (24-27 N-m).
64. With the hydraulics bled and tightened, raise drill and re-install removed lock channel or spacers.

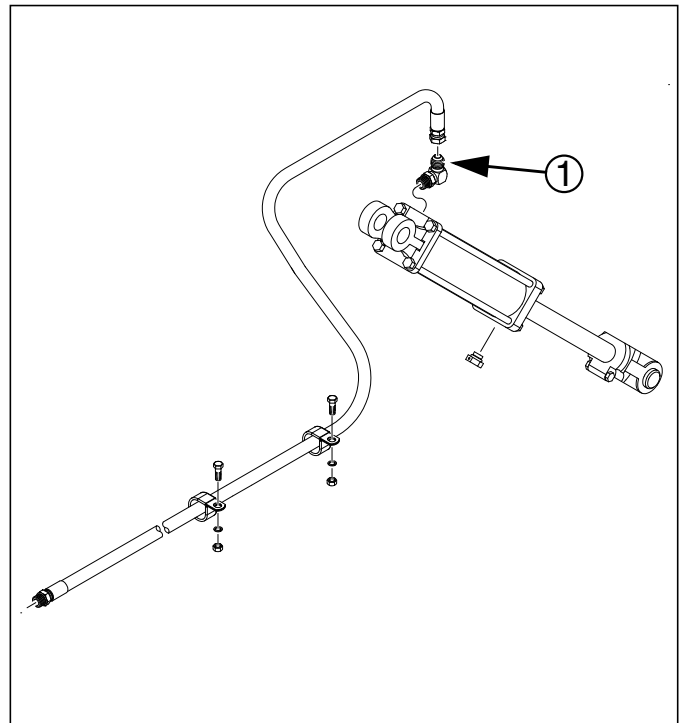


Figure 16  
Hydraulic Cylinder

32056

## Appendix

### Hydraulic Connectors and Torque

*Refer to Figure 127 (a hypothetical fitting)*

Leave any protective caps in place until immediately prior to making a connection.

- ① **NPT** - National Pipe Thread  
Note tapered threads, no cone/flare, and no O-ring. Apply liquid pipe sealant for hydraulic applications (do not use tape sealant, which can foul filters).
- ② **JIC** - Joint Industry Conference (SAE J514)  
Note straight threads ④ and the 37° cone ⑤ on “M” fittings (or 37° flare on “F” fittings). Use no sealants (tape or liquid) on JIC fittings.
- ③ **ORB** - O-Ring Boss (SAE J514)  
Note straight threads ⑤ and elastomer O-Ring ⑦. Prior to installation, to prevent abrasion during tightening, lubricate O-Ring with clean hydraulic fluid. Use no sealants (tape or liquid) on JIC fittings.  
  
ORB fittings that need orientation, such as the ell depicted, also have a washer ⑧ and jam nut ⑨ (“adjustable thread port stud”). Back jam nut away from washer. Thread fitting into receptacle until O-Ring contacts seat. Unscrew fitting to desired orientation. Tighten jam nut to torque specification.

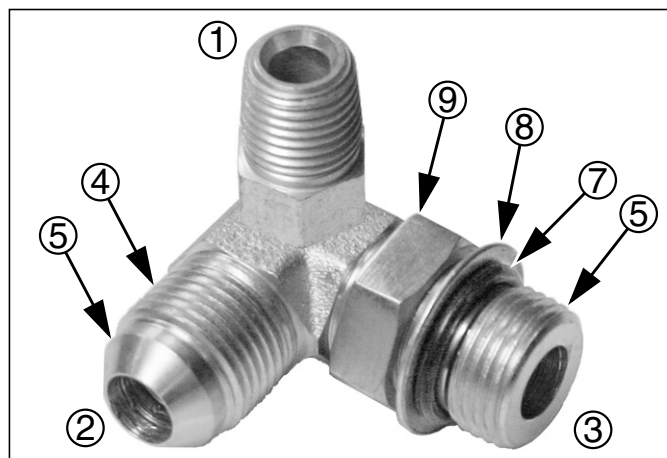


Figure 17  
Hydraulic Connector ID

31282

| Fittings Torque Values |                                 |       |
|------------------------|---------------------------------|-------|
| Fitting                | Ft-Lbs                          | N-m   |
| 1/4 NPT                | 1.5-3.0 turns past finger tight |       |
| 5/16 JIC               | 18-20                           | 24-27 |
| 5/16 ORB w/jam nut     | 12-16                           | 16-22 |
| 5/16 ORB straight      | 18-24                           | 24-32 |
| 3/4 JIC                | 27-39                           | 37-53 |
| 3/4 ORB w/jam nut      | 20-30                           | 27-41 |
| 3/4 ORB straight       | 27-43                           | 37-58 |

## Part Lists

### New Parts

The part call-out numbers in this list match all Figures in these installation instructions. Part descriptions match those in your updated Parts Manual.

Quantities are units ("ea").

### Kit Contents

124-051A 806-1006 LIFT ASSIST MOUNT ASSY

| Callout | Quantity | Part Number | Part Description               |
|---------|----------|-------------|--------------------------------|
| 12      | 1        | 151-171H    | LIFT ASSIST REAR PVT MNT       |
| 13      | 1        | 151-172H    | LIFT ASSIST BOLT ON MOUNT      |
| 14      | 1        | 151-173H    | LIFT ASSIST LWR PARALLEL ARM   |
| 15      | 1        | 151-179H    | LIFT ASSIST FRAME MNT WLDMNT   |
| 16      | 1        | 151-180H    | LIFT ASSIST MOUNT CLAMP WLDMNT |
| 17      | 1        | 151-184H    | 1006 LIFT ASSIST CASTER ARM    |
| 18      | 1        | 151-381D    | LIFT ASSIST AXLE PIVOT PIN     |
| 19      | 2        | 151-384D    | LIFT ASSIST MOUNT CLAMP SPACER |
| 20      | 2        | 161-056D    | CASTER SPACER                  |
| 21      | 1        | 161-107H    | NTA35 WING EYEBOLT WELDMENT    |
| 22      | 1        | 196-473H    | CYL LOCK CHANNEL 1 1/2X12 3    |
| 23      | 4        | 196-654D    | 40P CASTER INNER PIVOT TUBE    |
| 24      | 1        | 402-172H    | 16R PARALLEL ARM WLDMNT        |
| 25      | 1        | 500-064D    | WASHER - SAFETY CHAIN SA       |
| 26      | 1        | 800-001C    | GREASE ZERK STRAIGHT 1/4-28    |
| 27      | 8        | 802-053C    | HHCS 5/8-11X1 3/4 GR5          |
| 28      | 10       | 802-055C    | HHCS 5/8-11X2 GR5              |
| 29      | 8        | 802-057C    | HHCS 5/8-11X2 1/4 GR5          |
| 30      | 1        | 802-060C    | HHCS 5/8-11X4 GR5              |
| 31      | 4        | 802-728C    | HHCS 1-8X18 GR5                |
| 32      | 26       | 803-021C    | NUT HEX 5/8-11 PLT             |
| 33      | 1        | 803-024C    | NUT LOCK 5/8-11 PLT            |
| 34      | 5        | 803-031C    | NUT HEX 1-8 PLT                |
| 35      | 2        | 803-034C    | NUT HEX 1 1/4-7 PLT            |
| 36      | 26       | 804-022C    | WASHER LOCK SPRING 5/8 PLT     |
| 37      | 5        | 804-027C    | WASHER LOCK SPRING 1 PLT       |
| 38      | 5        | 804-029C    | WASHER FLAT 1 SAE              |
| 39      | 1        | 804-030C    | WASHER LOCK 1 1/4 SPRING PL    |
| 40      | 8        | 804-195C    | WASHER FLAT 1.31ODX.65IDX.188T |
| 41      | 1        | 805-001C    | PIN 3/8 X 3 USABLE LW/PIN      |
| 42      | 1        | 805-104C    | PIN COTTER 3/16 X 1 1/2 PLT    |
| 43      | 1        | 805-159C    | PIN CLEVIS 1 X 3 1/8 GR5 PL    |
| 44      | 1        | 810-316C    | CYL 3.5X12X1.25 ROD (TIE RO    |
| 45      | 1        | 810-442C    | MW STOP BUSH SET 1 1/4 SBS1    |
| 46      | 1        | 811-065C    | EL 9/16MJIC 9/16MORB           |
| 47      | 1        | 811-722C    | BREATHER PLUG 9/16-18 MORB     |
| 48      | 1        | 818-349C    | DECAL GREASE 10 HRS LH         |
| 49      | 2        | 838-057C    | DECAL WARNING GEN TRANSP LO    |
| 50      | 2        | 838-266C    | DECAL REFLECTOR RED 1 1/2X9    |
| 51      | 2        | 838-267C    | DECAL REFLECTR DAYTIME 1 1/    |
| 52      | 2        | 848-339C    | DECAL CAUTION LIFT ASSIS       |
| 53      | 1        | 890-005C    | BUSHING CYL 1 1/4 X 1 X 1      |

## Existing Parts Affected

The following existing parts are involved in the kit installation. The Disposition column indicates whether the part is left in place, moved or not re-used.

The part call-out numbers in the list matches all Figures in the installation instructions. The descriptions match those in your implement Parts manual.

| Callout | Part Number | Part Description               |                          |
|---------|-------------|--------------------------------|--------------------------|
| 61      | 124-040A    | LIFT ASSIST ASSEMBLY           | Removed and reinstalled. |
| 62      | 124-044H    | LIFT ASSIST GW ARM             | Removed and reinstalled. |
| 63      | 124-045K    | LIFT ASSIST MOUNT ASSEMBLY     | Removed. Not reused.     |
| 64      | 124-046H    | TRANSPORT LOCK PIN             | Removed and reinstalled. |
| 65      | 124-159D    | CASTER CAP                     | Removed and reinstalled. |
| 66      | 161-116D    | LIFT ASSIT CASTER SHAFT        | Removed and reinstalled. |
| 67      | 266-012D    | PLATE RND 3/16" THK 1 7/8" DIA | Removed and reinstalled. |
| 68      | 266-020D    | UHMW RND 2.0 DIA X 2.0 LONG    | Removed and reinstalled. |
| 69      | 800-239C    | 1.125 WIRING AND TUBE CLIP     | Removed and reinstalled. |
| 70      | 802-017C    | HHCS 3/8-16X1 GR5              | Removed and reinstalled. |
| 71      | 802-034C    | HHCS 1/2-13X1 1/4 GR5          | Removed and reinstalled. |
| 72      | 802-067C    | HHCS 3/4-10X4 GR5 FTHD         | Removed and reinstalled. |
| 73      | 802-258C    | HHCS 1/2-13X1 GR5              | Removed and reinstalled. |
| 74      | 803-014C    | NUT HEX 3/8-16 PLT             | Removed and reinstalled. |
| 75      | 803-048C    | NUT HEX JAM 3/4-10 PLT         | Removed and reinstalled. |
| 76      | 804-013C    | WASHER LOCK SPRING 3/8 PLT     | Removed and reinstalled. |
| 77      | 804-015C    | WASHER LOCK SPRING 1/2 PLT     | Removed and reinstalled. |
| 78      | 807-143C    | SPRING COMP 1.880D x .362W     | Removed and reinstalled. |
| 79      | 811-312C    | TE 9/16MJIC                    | Removed. Not reused.     |
| 80      | 841-285C    | HH1/4R2 58 9/16FJIC 9/16MORB90 | Removed. Not reused.     |
| 81      | 841-286C    | HH1/4R2 134 9/16FJIC 1/2MNP    | Removed. Not reused.     |
| 82      | 890-072C    | BUSHING 2 1/2 X 2 1/4 X 2 LG.  | Removed and reinstalled. |

## Abbreviations

|        |                                     |
|--------|-------------------------------------|
| 3P     | 3-Point                             |
| FTHD   | Full Threaded                       |
| GR5    | Grade 5                             |
| GW     | Gauge Wheel                         |
| HHCS   | Hex Head Cap Screw                  |
| JIC    | Pipe Thread 37 Degree Flare Fitting |
| LG     | Large/Long                          |
| LH     | Left Hand                           |
| LW/PIN | Length With Pin                     |
| LWR    | Lower                               |
| MJIC   | Male JIC                            |

|        |                                      |
|--------|--------------------------------------|
| MORB   | Male O-ring Boss (thread fitting)    |
| MNT    | Mount                                |
| PL/PLT | Plate/Plated                         |
| PVT    | Pivot                                |
| RH     | Right Hand                           |
| RND    | Round                                |
| SAE    | Society of Automotive Engineers      |
| THD    | Thread                               |
| UNF    | Unified National Fine (Screw Thread) |
| WLDMNT | Weldment                             |
| W/WO   | With/Without                         |

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