



# Front Lift Frame

## Sand Pro®/Infield Pro® 5040 Traction Unit

Model No. 08712—Serial No. 417200000 and Up

### Operator's Manual

This product complies with all relevant European directives. For details, please see the Declaration of Incorporation (DOI) at the back of this publication.

**Note:** Determine the left and right sides of the machine from the normal operating position.

## Setup

### Loose Parts

Use the chart below to verify that all parts have been shipped.

Procedure	Description	Qty.	Use
<b>1</b>	No parts required	—	Prepare the machine.
<b>2</b>	No parts required	—	Remove the shrouds.
<b>3</b>	Fitting cap O-ring (ORFS-6) O-ring (ORB-6)	1 2 1	Prepare to install the hydraulic components.
<b>4</b>	Straight hydraulic fitting with O-ring 90° hydraulic fitting with O-ring Lift valve Valve plate Bolt (1/4 x 3 inches) Locknut (1/4 inch) Bolt (#10 x 1-1/4 inches) Locknut (#10) Lift lever	2 2 1 1 3 3 2 2 1	Install the lift valve (Model 08705).
<b>5</b>	Straight hydraulic fitting with O-ring 90° hydraulic fitting with O-ring Lift valve Valve plate Bolt (1/4 x 3 inches) Locknut (1/4 inch) Bolt (#10 x 1-1/4 inches) Locknut (#10) Lift lever	2 2 1 1 3 3 2 2 1	Install the lift valve (Model 08745).
<b>6</b>	Right plow plate Left plow plate Bolt (1/2 x 2 inches) Locknut (1/2 inch) Hitch frame bracket Bolt (1/2 x 1-3/4 inches)	1 1 4 4 1 2	Install the plow plates.



Procedure	Description	Qty.	Use
<b>7</b>	Hitch frame	1	Install the push arms and hitch frame.
	Bolt (3/8 x 2 inches)	2	
	Nut (3/8 inch)	2	
	Capscrew (3/8 x 1-1/2 inches)	2	
	Locknut (3/8 inch)	2	
	Cylinder pin	2	
	Adapter plate	1	
	Push arm tube	1	
	Pin assembly	2	
	Thread-forming screw	2	
	Bolt (5/8 x 1-1/2 inches)	2	
	Washer (1.68-inch outside diameter x 0.65-inch inside diameter)	2	
	Tube	1	
	Clevis pin	1	
	Cotter pin	1	
<b>8</b>	45° hydraulic fitting with O-ring	1	Install the hydraulic cylinder.
	Hydraulic cylinder	1	
	90° hydraulic fitting with O-ring	1	
	Small retaining ring	1	
	Pin	1	
	Large retaining ring	2	
<b>9</b>	Tube assembly	1	Install the hydraulic hoses (Model 08705).
	Hydraulic hose (Part No. 108-8449)	1	
	Hydraulic hose (Part No. 108-8453)	1	
	Hydraulic hose (Part No. 108-8454)	1	
	Wire hose holder	1	
	Thread forming screw (5/16 x 3/4 inch)	2	
	Plastic cable tie	3	
	O-ring (ORFS-6)	1	
	O-ring (ORFS-8)	1	
<b>10</b>	Tube assembly	1	Install the hydraulic hoses (Model 08745).
	Hydraulic hose (Part No. 108-8449)	1	
	Hydraulic hose (Part No. 108-8453)	1	
	Hydraulic hose (Part No. 108-8454)	1	
	Wire hose holder	1	
	Thread forming screw (5/16 x 3/4 inch)	2	
	Plastic cable tie	3	
	O-ring (ORFS-6)	1	
	O-ring (ORFS-8)	1	
<b>11</b>	Lever guide plate	1	Install the control panel and lever guide plate.
	Flange-head screw	2	
	Washer	2	
	Control panel decal	1	
	Control panel	1	
	Knob	1	
	Plastic cable tie	3	
<b>12</b>	Operator's Manual	1	Read the documentation and store it in a safe location.

# 1

## Preparing the Machine

No Parts Required

### Procedure

1. Park the machine on a level surface.
2. Lower the attachments.
3. Engage the parking brake.
4. Shut off the engine and remove the key.

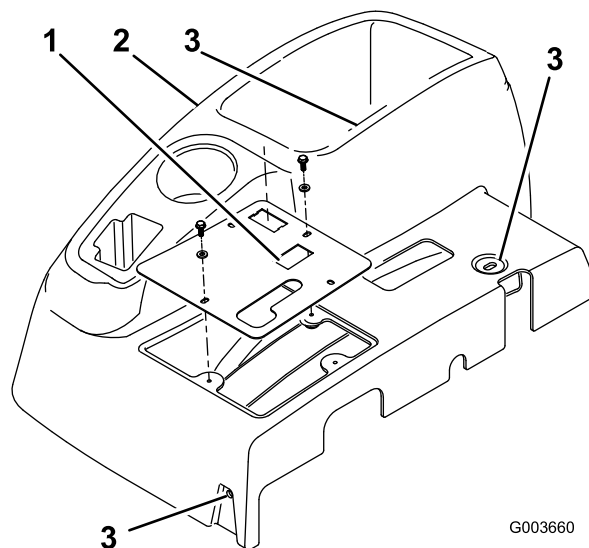
# 2

## Removing the Shrouds

No Parts Required

### Procedure

1. Raise the rear of the machine and position jacks under the rear wheel motor mounts.
2. Remove the right rear tire.
3. Remove the 4 washers and bolts mounting the control panel to the console (Figure 1).
4. Unplug the wire from the hour meter.
5. Remove the control panel (Figure 1).
6. Remove the 3 bolts securing the console to the frame (Figure 1). Remove the console by gently lifting the bottom edge of the console around the support bracket and sliding it up beyond the brake handle.



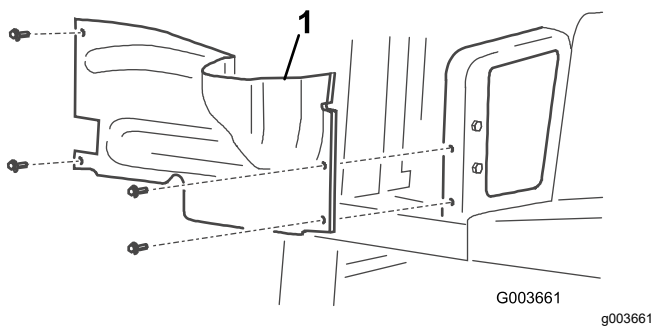
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Figure 1

- |                  |                                    |
|------------------|------------------------------------|
| 1. Control panel | 3. Console mounting bolt locations |
| 2. Console       |                                    |

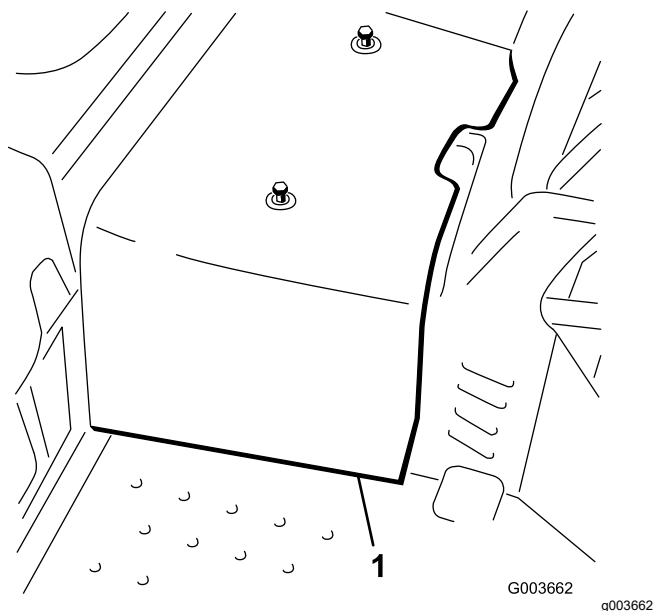
- 
7. Remove the 4 bolts securing the right hand wheel shroud to the frame and remove the shroud (Figure 2).



**Figure 2**

1. Right hand wheel shroud

8. Disconnect and remove the center shroud from the frame (Figure 3).



**Figure 3**

1. Center shroud

# 3

## Preparing to Install the Hydraulic Components

### Parts needed for this procedure:

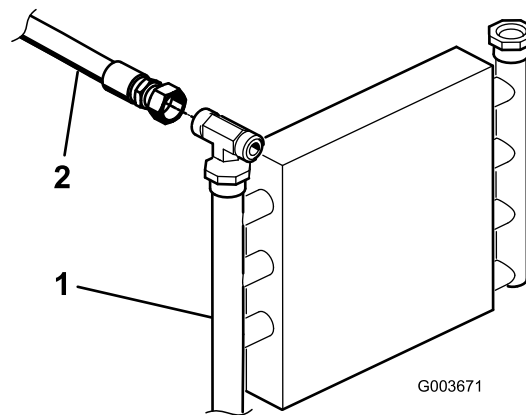
1	Fitting cap
2	O-ring (ORFS-6)
1	O-ring (ORB-6)

### Procedure

1. Locate the hydraulic tube that goes from the oil cooler to the existing lift valve (Figure 4).
2. Remove the fasteners and tube clamp securing the hydraulic tubes to the frame.
3. Disconnect and remove the hydraulic tube from the oil cooler and the lift valve (Figure 4 and Figure 6).

**Note:** You may discard this hydraulic tube.

**Note:** To minimize oil loss when removing the hydraulic tube, have the replacement hose ready or cap the fitting on the cooler using one of the protective shipping caps removed from the tube assembly, Part No. 108-8447 (Figure 20).

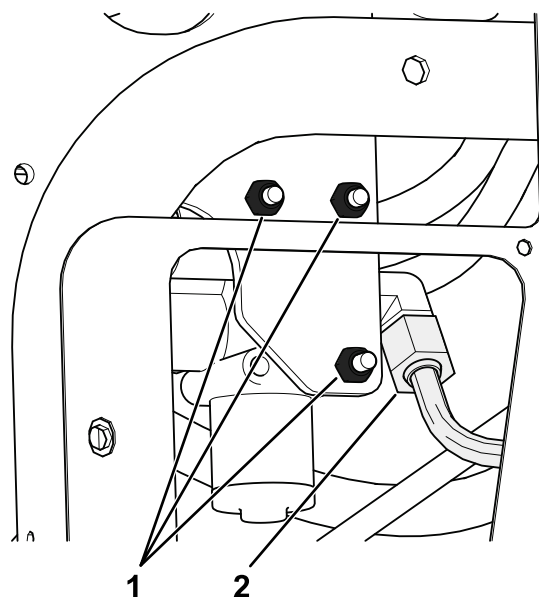


**Figure 4**

1. Oil cooler
2. Hydraulic tube

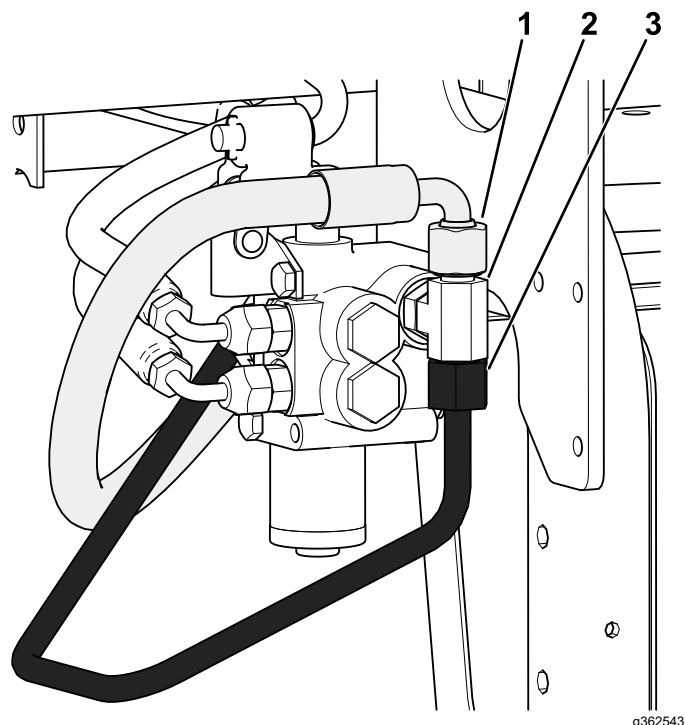
4. Secure the remaining hydraulic tube to the frame with the clamp and fasteners previously removed.

5. If you are installing this kit to a Model 08745 machine, do the following:
  - A. Remove the 3 bolts and nuts securing the existing lift valve to the frame, and separate it from the frame to allow for removal of the T-fitting (340-94) as shown in [Figure 5](#).
  - B. Disconnect the hydraulic tube (108-8415) from the 90° fitting (340-77) on left side of existing lift valve.
  - C. Disconnect the hydraulic hose (144-1367) from the T-fitting (340-94) as shown in [Figure 6](#).
  - D. Loosen the T-fitting (340-94) on the right side of the existing lift valve.
  - E. Remove the T-fitting (340-94) from existing valve and retain for later installation.



**Figure 5**

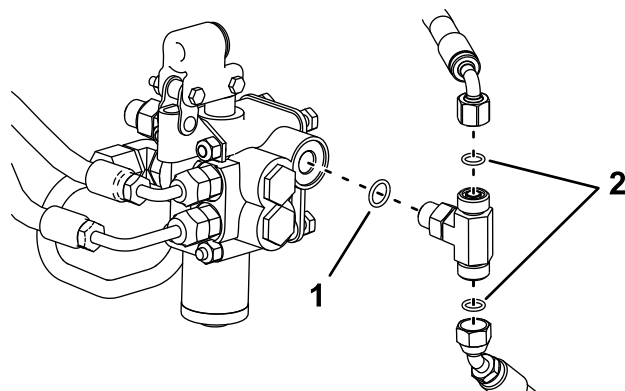
1. Remove these bolts and nuts.
2. Disconnect this hydraulic tube (108-8415) from the 90° fitting.



**Figure 6**

1. Disconnect this hydraulic hose (144-1367) from the T-fitting.
2. Disconnect this T-fitting (340-94) from the existing valve.
3. Disconnect and discard this hydraulic tube connected to the T-fitting.

- F. Replace the O-rings on the T-fitting with new O-rings as shown in [Figure 7](#).



**Figure 7**

1. O-ring (ORB-6)
2. O-ring (ORFS-6)

# 4

## Installing the Lift Valve

### Model 08705 Only

#### Parts needed for this procedure:

2	Straight hydraulic fitting with O-ring
2	90° hydraulic fitting with O-ring
1	Lift valve
1	Valve plate
3	Bolt (1/4 x 3 inches)
3	Locknut (1/4 inch)
2	Bolt (#10 x 1-1/4 inches)
2	Locknut (#10)
1	Lift lever

#### Procedure

1. Thread both 90° fittings and the 2 straight hydraulic fittings into the new lift valve as shown in [Figure 8](#).

**Important:** Do not tighten the 90° fittings at this time. Ensure that all O-rings are lubricated and properly positioned on the fittings before installation.

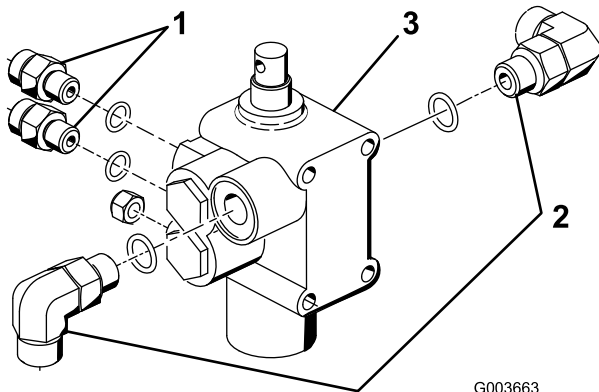


Figure 8

1. Straight fitting
2. 90° fitting
3. Lift valve

**Note:** The valve installation is very similar to the existing valve that is already installed.

3. Loosely mount the pivot lever assembly to the valve spool and to the offset link with 2 bolts (#10 x 1-1/4 inch) and 2 locknuts ([Figure 9](#)).

**Note:** Do not tighten the fasteners at this time.

**Note:** Mount the offset link to the rear hole of the pivot.

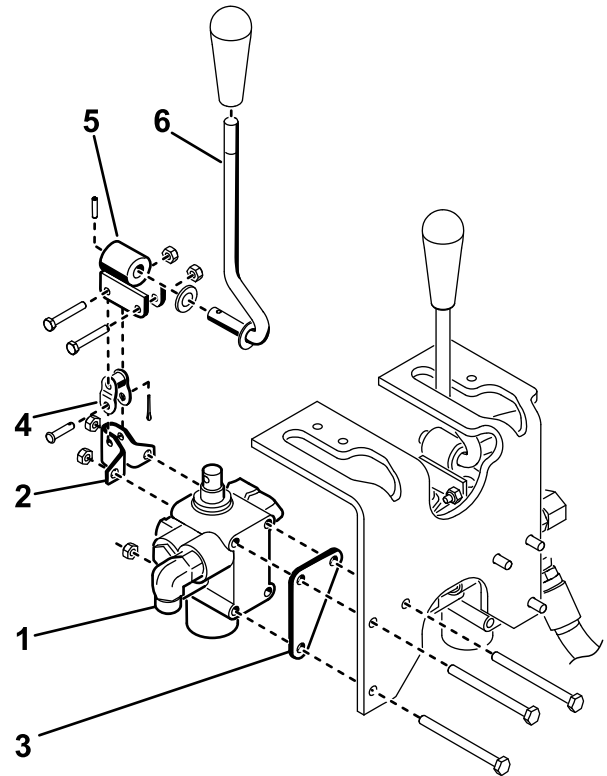


Figure 9

1. Valve assembly
2. Pivot bracket
3. Valve plate
4. Offset link
5. Pivot
6. Lever

2. Mount the valve assembly, pivot bracket, and valve plate to the frame with 3 bolts (1/4 x 3 inches) and 3 locknuts ([Figure 9](#)). Position the valve plate against the front of the frame member when mounting, and torque the fasteners to 10 to 12 N·m (90 to 110 in-lb).

# 5

## Installing the Lift Valve

### Model 08745 Only

#### Parts needed for this procedure:

2	Straight hydraulic fitting with O-ring
2	90° hydraulic fitting with O-ring
1	Lift valve
1	Valve plate
3	Bolt (1/4 x 3 inches)
3	Locknut (1/4 inch)
2	Bolt (#10 x 1-1/4 inches)
2	Locknut (#10)
1	Lift lever

### Procedure

1. Thread a 90° fitting into the existing lift valve where the T-fitting was removed.

**Important:** Tighten only the straight fittings at this time. Ensure that all O-rings are lubricated and properly positioned on the fittings before installation.

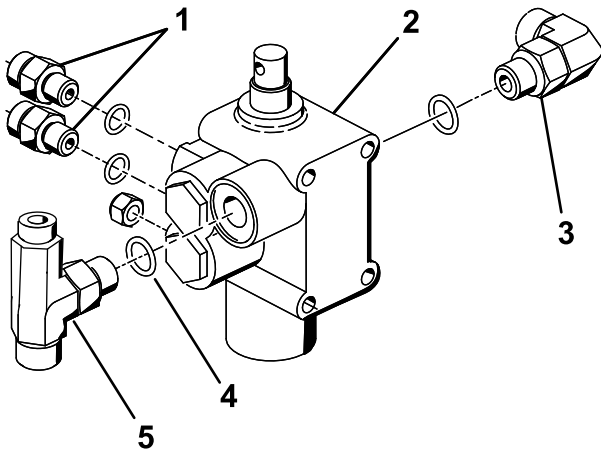


Figure 10

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1. Straight fitting
2. Lift valve
3. 90° fitting
4. New O-ring (ORB-6)
5. T-fitting

2. Install the existing lift valve with the previously removed hardware and torque the fasteners to 10 to 12 N·m (90 to 110 in-lb).

3. Thread a 90° fitting, the 2 straight hydraulic fittings, and the T-fitting removed from the existing valve in [3 Preparing to Install the Hydraulic Components](#) (page 4) into the new lift valve as shown in [Figure 10](#).

**Important:** Ensure that all of the O-rings on the T-fitting are replaced with new O-rings as shown in [3 Preparing to Install the Hydraulic Components](#) (page 4).

4. Mount the valve assembly, pivot bracket, and valve plate to the frame with 3 bolts (1/4 x 3 inches) and 3 locknuts ([Figure 11](#)). Position the valve plate against the front of the frame member when mounting, and torque the fasteners to 10 to 12 N·m (90 to 110 in-lb).

**Note:** The valve installation is very similar to the valve currently installed.

5. Loosely mount the pivot lever assembly to the valve spool and to the offset link with 2 bolts (#10 x 1-1/4 inch) and 2 locknuts ([Figure 11](#)).

**Note:** Do not tighten the fasteners at this time.

**Note:** Mount the offset link to the rear hole of the pivot.

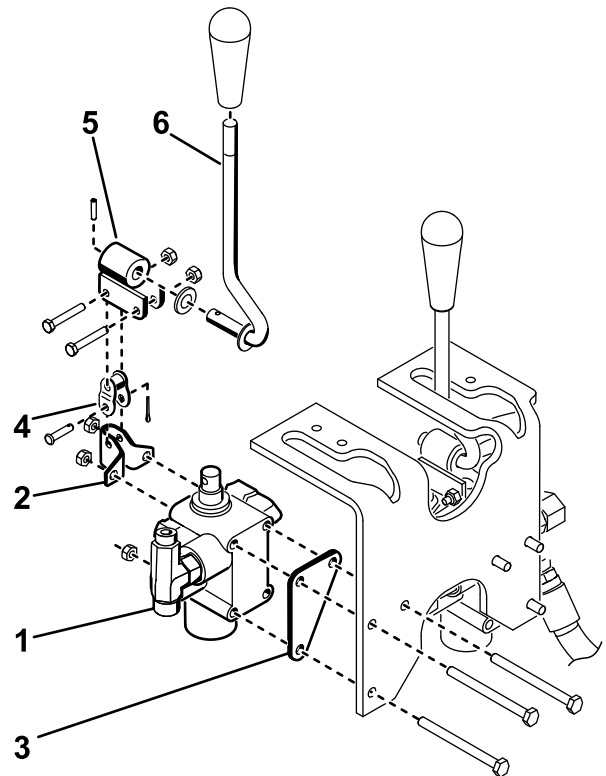


Figure 11

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1. Valve assembly
2. Pivot bracket
3. Valve plate
4. Offset link
5. Pivot
6. Lever

# 6

## Installing the Plow Plates

### Parts needed for this procedure:

1	Right plow plate
1	Left plow plate
4	Bolt (1/2 x 2 inches)
4	Locknut (1/2 inch)
1	Hitch frame bracket
2	Bolt (1/2 x 1-3/4 inches)

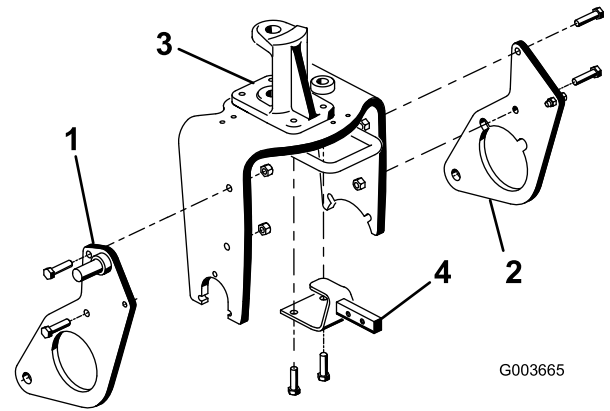


Figure 12

- |                     |                        |
|---------------------|------------------------|
| 1. Right plow plate | 3. Steering pivot      |
| 2. Left plow plate  | 4. Hitch frame bracket |

## Procedure

- Loosely mount the right hand plow plate to the right side of the caster fork with 2 bolts (1/2 x 2 inches) and locknuts as shown in [Figure 12](#).
- Note:** Do not tighten the fasteners yet.
- Repeat the procedure with the left hand plow plate ([Figure 12](#)).
- Jack up the front of the machine until the front wheel is off the floor.
- Remove and discard the 2 bolts securing the front of the steering pivot to the top of the caster fork ([Figure 12](#)).
- Using the caster fork and steering pivot mounting holes, mount the hitch frame bracket to the underside of the caster fork with 2 bolts (1/2 x 1-3/4 inches); refer to [Figure 12](#).

**Note:** It may be required to partially deflate the tire to gain clearance. The wheel motor hydraulic hose should not rest on top of the hitch frame bracket.

# 7

## Installing the Push Arms and Hitch Frame

### Parts needed for this procedure:

1	Hitch frame
2	Bolt (3/8 x 2 inches)
2	Nut (3/8 inch)
2	Capscrew (3/8 x 1-1/2 inches)
2	Locknut (3/8 inch)
2	Cylinder pin
1	Adapter plate
1	Push arm tube
2	Pin assembly
2	Thread-forming screw
2	Bolt (5/8 x 1-1/2 inches)
2	Washer (1.68-inch outside diameter x 0.65-inch inside diameter)
1	Tube
1	Clevis pin
1	Cotter pin

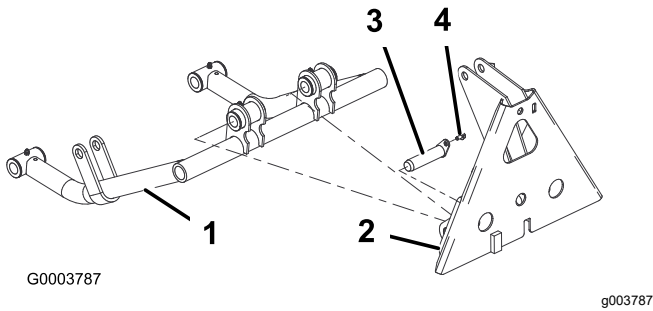
## Procedure

- Lower the machine so that the front wheel is on the floor.
- Secure the push arm tube to the adapter plate with 2 pin assemblies and secure the



pin assemblies to the adapter plates with 2 thread-forming screws.

**Note:** Position the components as shown in [Figure 13](#).



**Figure 13**

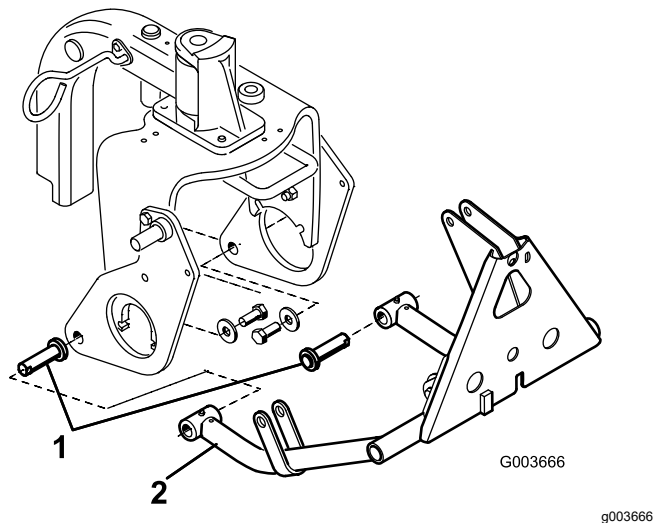
- |                  |                         |
|------------------|-------------------------|
| 1. Push arm tube | 3. Pin assembly         |
| 2. Adapter plate | 4. Thread-forming screw |

3. Insert a cylinder pin into each push arm tube as shown in [Figure 14](#).
4. Insert the push arm tubes onto the right and left plow plates aligning the cylinder pin guides with the holes in the plow plates ([Figure 14](#)).

**Note:** If unable to get the push arm tubes around the plow plates, loosen the nuts securing the plow plates to the caster fork.

5. Mount each cylinder pin to each plow plate with a bolt (5/8 x 1-1/2 inches) and a washer (1.68-inch outside diameter x 0.65-inch inside diameter) as shown in [Figure 14](#).

**Note:** Torque the bolts to 203 N-m (150 ft-lb).

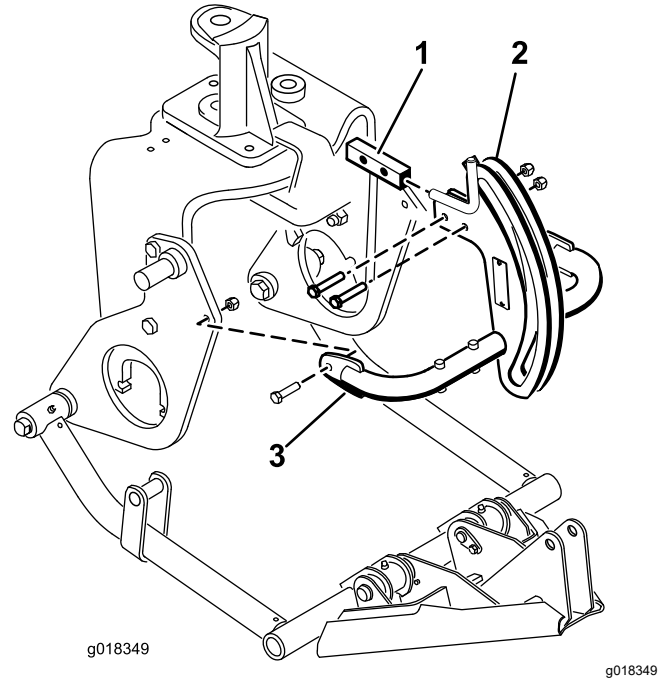


**Figure 14**

- |                 |                  |
|-----------------|------------------|
| 1. Cylinder pin | 2. Push arm tube |
|-----------------|------------------|

6. Mount the top of the hitch frame to the hitch frame bracket with 2 bolts (3/8 x 2 inches) and nuts ([Figure 15](#)).

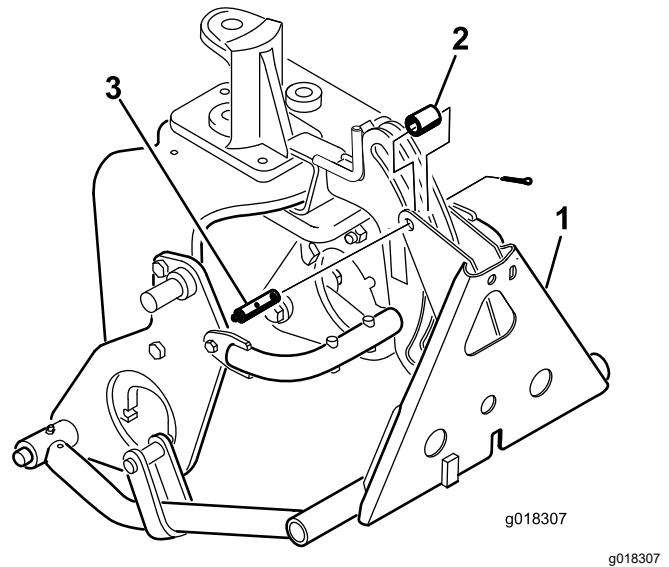
7. Mount the hitch frame tubes to the plow plates with bolts (3/8 x 1-1/2 inches) and nuts ([Figure 15](#)), and tighten the fasteners.



**Figure 15**

- |                        |                     |
|------------------------|---------------------|
| 1. Hitch frame bracket | 3. Hitch frame tube |
| 2. Hitch frame         |                     |

8. Secure the frame adapter to the hitch frame with a tube, a clevis pin, and a cotter pin ([Figure 16](#)).



**Figure 16**

- |                  |                                   |
|------------------|-----------------------------------|
| 1. Frame adapter | 3. Clevis pin with grease fitting |
| 2. Tube          |                                   |

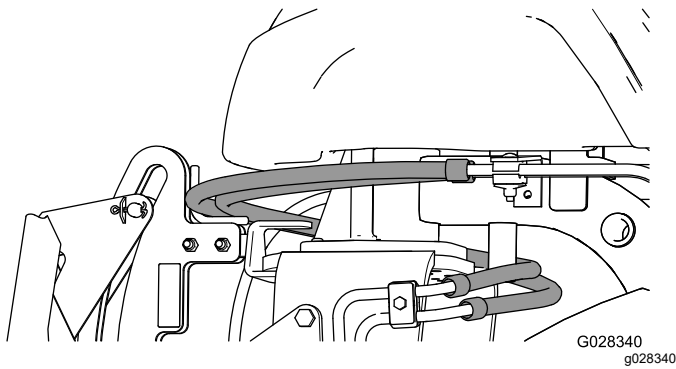


Figure 17

**Important:** Ensure that the existing hoses are routed above the guide, as shown in Figure 17.

# 8

## Installing the Hydraulic Cylinder

Parts needed for this procedure:

1	45° hydraulic fitting with O-ring
1	Hydraulic cylinder
1	90° hydraulic fitting with O-ring
1	Small retaining ring
1	Pin
2	Large retaining ring

## Procedure

1. Thread a 90° fitting into the upper port in the hydraulic cylinder. Position the fitting as shown in Figure 18.

**Note:** Make sure that all O-rings are lubricated and properly positioned on fittings before installation.

**Note:** To prevent contamination to the hydraulic fittings or hoses, do not remove the caps from the fittings or hoses until they are installed.

2. Thread a 45° fitting into the lower port in the hydraulic cylinder. Position the fitting as shown in Figure 18.

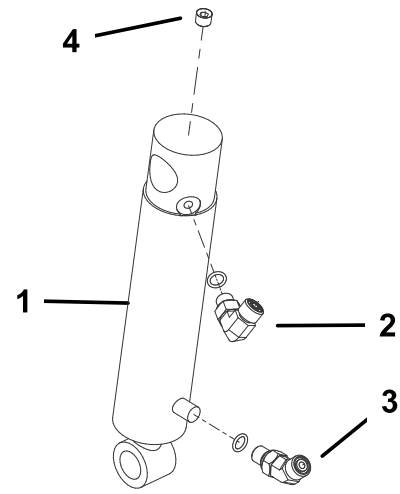


Figure 18

1. Hydraulic cylinder
2. 90° fitting
3. 45° fitting
4. Plug (1/8 inch)

3. Mount the top of the hydraulic cylinder barrel to the pin on the right-hand plow plate with a retaining ring (Figure 19).

**Note:** Position the cylinder hydraulic ports forward.

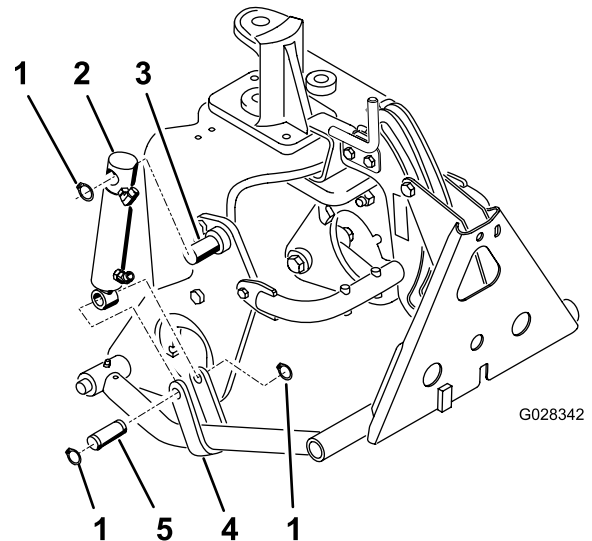


Figure 19

1. Retaining ring
2. Hydraulic cylinder
3. Pin (on plow plate)
4. Push arm strap
5. Pin

4. Mount the cylinder rod to the push arm straps with a pin and 2 retaining rings (Figure 19).

# 9

## Installing the Hydraulic Hoses

### Model 08705 Only

#### Parts needed for this procedure:

1	Tube assembly
1	Hydraulic hose (Part No. 108-8449)
1	Hydraulic hose (Part No. 108-8453)
1	Hydraulic hose (Part No. 108-8454)
1	Wire hose holder
2	Thread forming screw (5/16 x 3/4 inch)
3	Plastic cable tie
1	O-ring (ORFS-6)
1	O-ring (ORFS-8)

## Procedure

1. Connect the tube assembly (Part No. 108-8447) to the 90° fitting on the left side of the new valve and the vacated fitting on the existing lift valve ([Figure 20](#)).

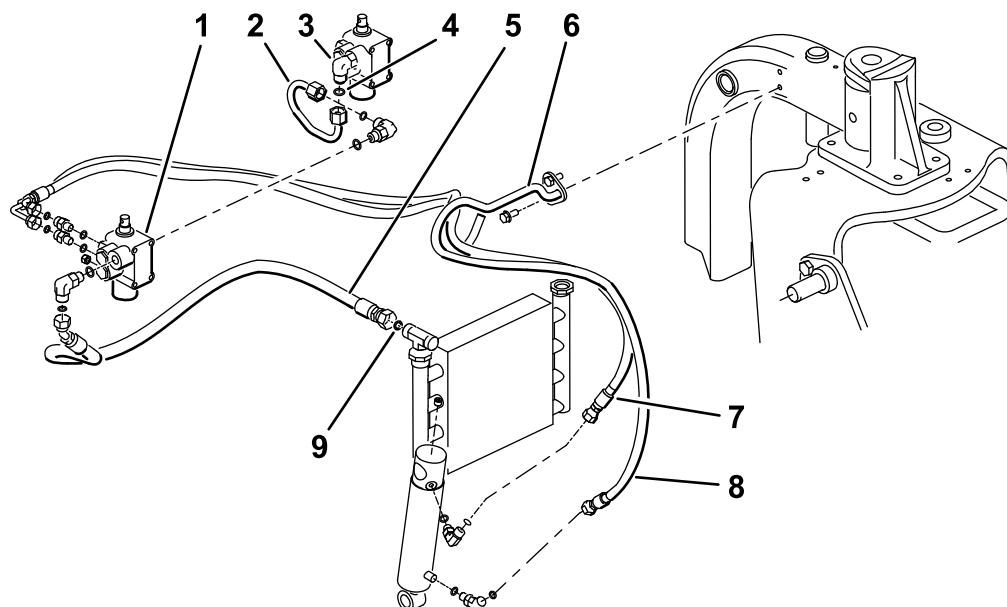
**Important:** Replace the O-ring between the tube assembly and the existing valve with a new O-ring (ORFS-6).

2. Connect the 45° fitting end of hydraulic hose (Part No. 108-8449) to the 90° fitting on the right side of the valve and the straight end of the hose to the vacant oil cooler fitting ([Figure 20](#)). Refer to [Figure 21](#) and [Figure 22](#) for hose routing.

**Important:** Replace the O-ring between the straight fitting and the vacant oil cooler fitting with a new O-ring (ORFS-8).

3. Mount the wire hose holder to the left frame tube with 2 thread-forming screws (5/16 x 3/4 inch); refer to [Figure 20](#).

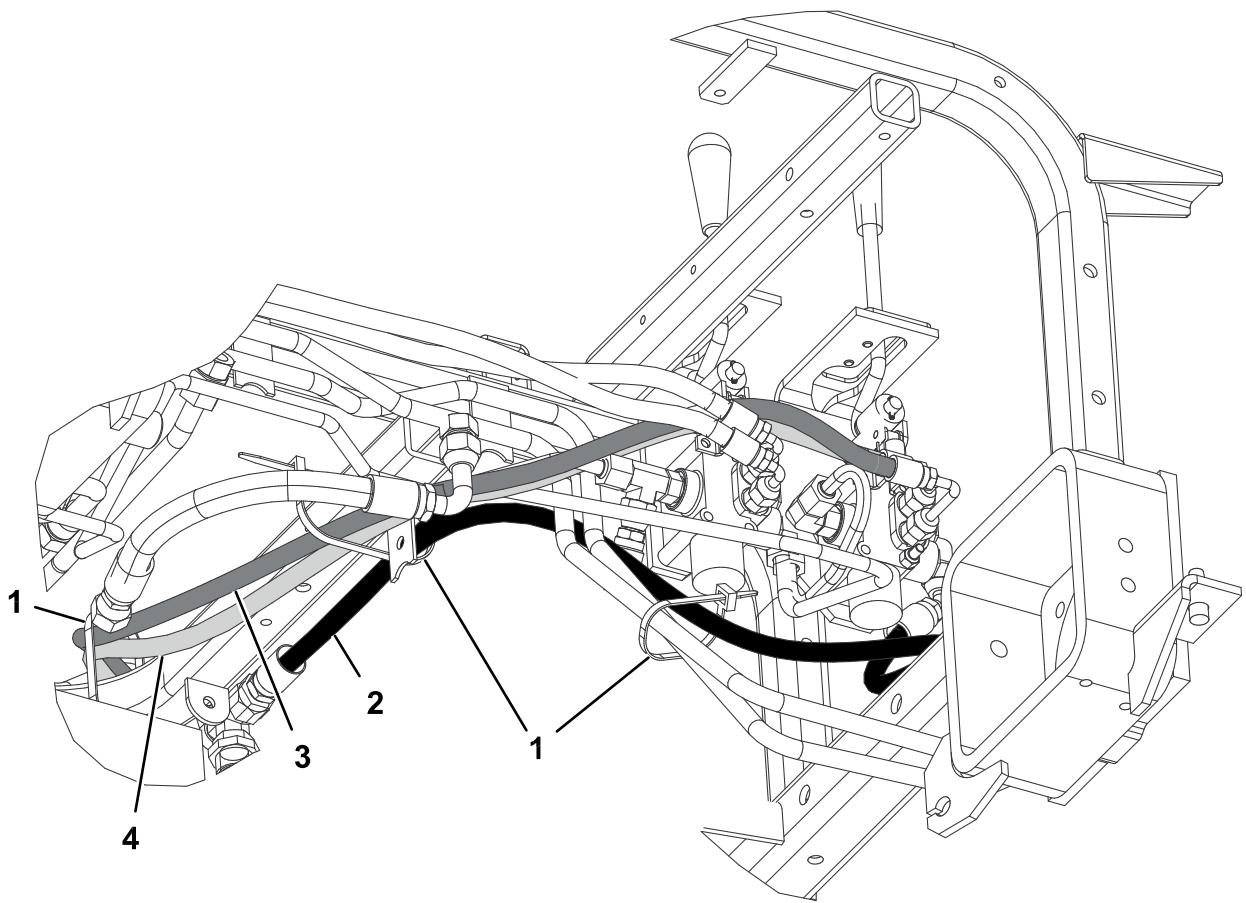
4. Connect the short 90° fitting end of hydraulic hose (Part No. 108-8453) to the top straight fitting on the rear of the valve. Route the hose through the wire hose holder and connect the straight end of the hose to the top hydraulic cylinder fitting ([Figure 20](#)). Refer to [Figure 21](#) and [Figure 22](#) for hose routing.
  5. Connect the long 90° fitting end of the hydraulic hose (Part No. 108-8454) to the bottom straight fitting on the rear of the valve. Route the hose through the wire hose holder and connect the straight end of the hose to the bottom hydraulic cylinder fitting ([Figure 20](#)). Refer to [Figure 21](#) and [Figure 22](#) for hose routing.
- Important:** Ensure that the hoses are routed away from any sharp, hot, or moving components.
6. Tighten all fasteners and fittings.
  7. Using cable ties, secure the hoses to the machine at the locations shown in [Figure 21](#) and [Figure 22](#).



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**Figure 20**  
Model 08705

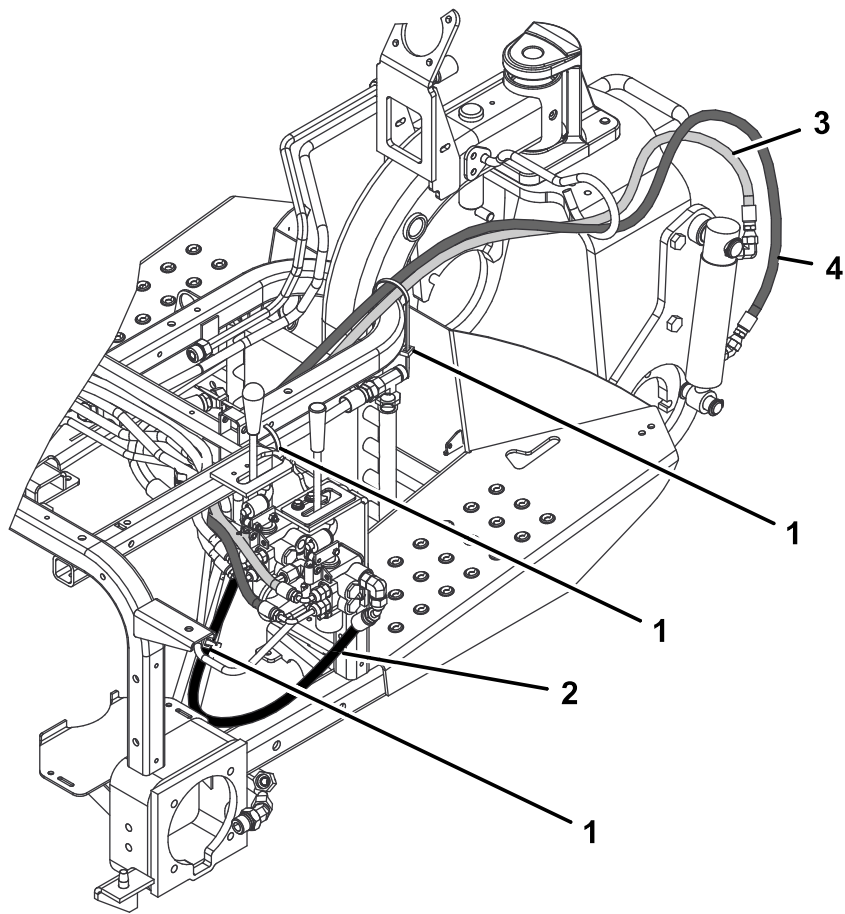
- |                                      |                                       |                                       |
|--------------------------------------|---------------------------------------|---------------------------------------|
| 1. New valve                         | 4. O-ring (ORFS-6)                    | 7. Hydraulic hose (Part No. 108-8453) |
| 2. Tube assembly (Part No. 108-8447) | 5. Hydraulic hose (Part No. 108-8449) | 8. Hydraulic hose (Part No. 108-8454) |
| 3. Existing valve                    | 6. Wire hose holder                   | 9. O-ring (ORFS-8)                    |
-



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**Figure 21**  
Model 08705

- |              |                                       |                                       |                                       |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 1. Cable tie | 2. Hydraulic hose (Part No. 108-8449) | 3. Hydraulic hose (Part No. 108-8453) | 4. Hydraulic hose (Part No. 108-8454) |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|
-



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**Figure 22**  
Model 08705

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| 1. Cable tie                          | 3. Hydraulic hose (Part No. 108-8453) |
| 2. Hydraulic hose (Part No. 108-8449) | 4. Hydraulic hose (Part No. 108-8454) |
-

# 10

## Installing the Hydraulic Hoses

### Model 08745 Only

#### Parts needed for this procedure:

1	Tube assembly
1	Hydraulic hose (Part No. 108-8449)
1	Hydraulic hose (Part No. 108-8453)
1	Hydraulic hose (Part No. 108-8454)
1	Wire hose holder
2	Thread forming screw (5/16 x 3/4 inch)
3	Plastic cable tie
1	O-ring (ORFS-6)
1	O-ring (ORFS-8)

## Procedure

1. Connect the tube assembly (Part No. 108-8447) to the 90° fitting on the left side of the new valve and the newly installed 90° fitting on the existing lift valve (Figure 23).

**Important:** Replace the O-ring between the tube assembly and the existing valve with a new O-ring (ORFS-6).

2. Connect the T-fitting with the 45° end of hydraulic hose (Part No. 108-8449) to the open side of the T-fitting on the right side of the valve and the straight end of the hose to the vacant oil cooler fitting (Figure 23). Refer to Figure 24 and Figure 25 for hose routing.

**Important:** Replace the O-ring between the straight fitting and the vacant oil cooler fitting with a new O-ring (ORFS-8).

3. Mount the wire hose holder to the left frame tube with 2 thread-forming screws (5/16 x 3/4 inch); refer to Figure 23.

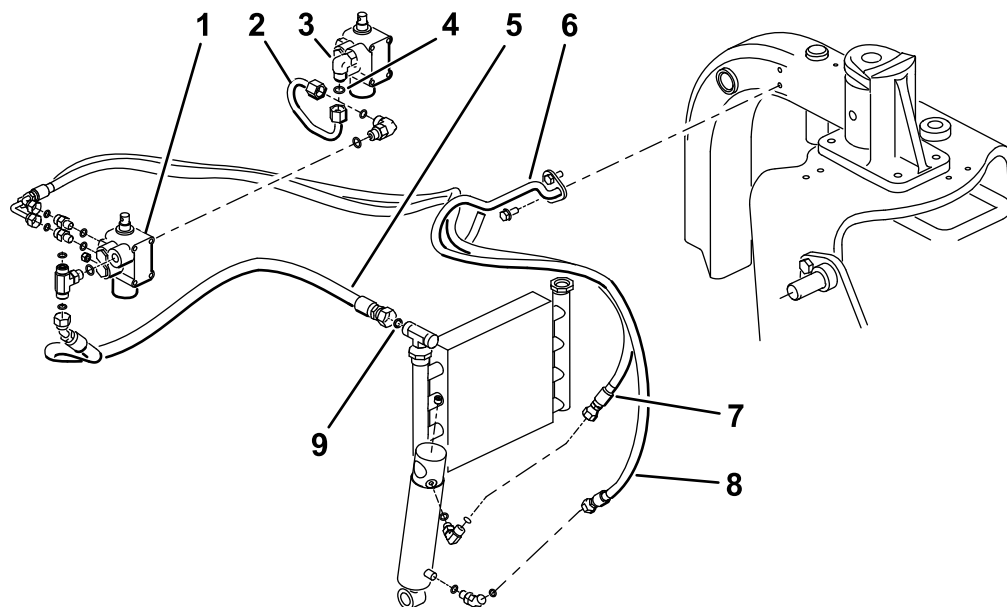
4. Connect the short 90° fitting end of hydraulic hose (Part No. 108-8453) to the top straight fitting on the rear of the valve. Route the hose through the wire hose holder and connect the straight end of the hose to the top hydraulic cylinder fitting (Figure 23). Refer to Figure 24 and Figure 25 for hose routing.
5. Connect the long 90° fitting end of the hydraulic hose (Part No. 108-8454) to the bottom straight fitting on the rear of the valve. Route the hose through the wire hose holder and connect the straight end of the hose to the bottom hydraulic cylinder fitting (Figure 23). Refer to Figure 24 and Figure 25 for hose routing.
6. Connect hydraulic hose (Part No. 144-1367) onto the top of the newly installed T-fitting (Part No. 340-94) on the right side of the new lift valve.

**Important:** Replace the O-ring between the tube assembly and the existing valve with a new O-ring (ORFS-6).

**Important:** Ensure that all of the O-rings on the T-fitting are replaced with new O-rings as shown in 3 Preparing to Install the Hydraulic Components (page 4).

**Important:** Ensure that the hoses are routed away from any sharp, hot, or moving components.

7. Tighten all fasteners and fittings.
8. Using cable ties, secure the hoses to the machine at the locations shown in Figure 24 and Figure 25.

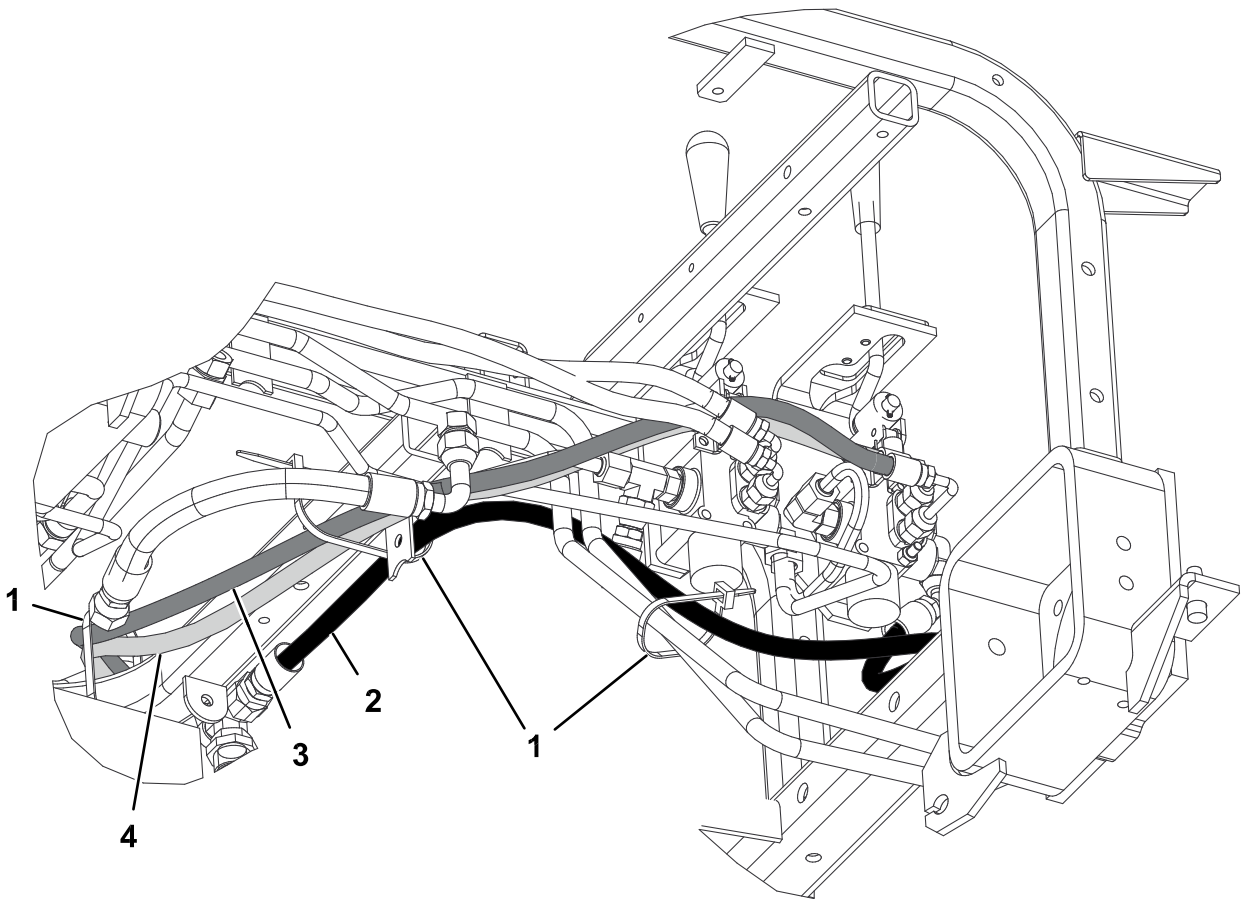


g527910

**Figure 23**  
Model 08745

- |                                      |                                       |                                       |
|--------------------------------------|---------------------------------------|---------------------------------------|
| 1. New valve                         | 4. O-ring (ORFS-6)                    | 7. Hydraulic hose (Part No. 108-8453) |
| 2. Tube assembly (Part No. 108-8447) | 5. Hydraulic hose (Part No. 108-8449) | 8. Hydraulic hose (Part No. 108-8454) |
| 3. Existing valve                    | 6. Wire hose holder                   | 9. O-ring (ORFS-8)                    |
-

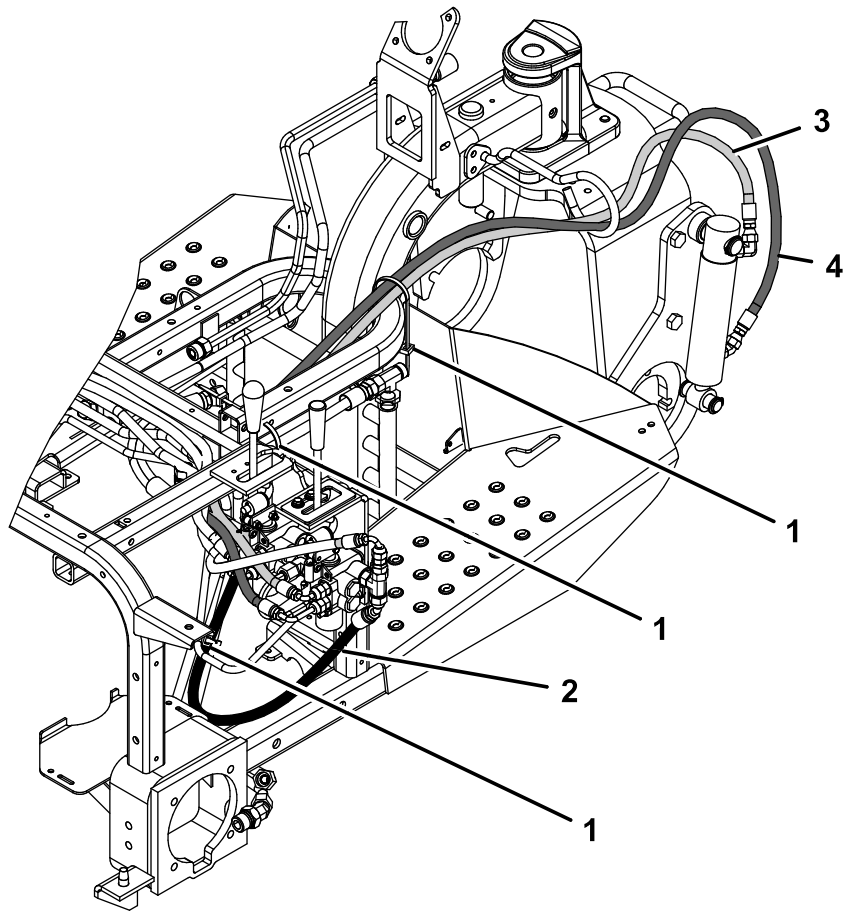




g218466

**Figure 24**  
Model 08745

- |              |                                       |                                       |                                       |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 1. Cable tie | 2. Hydraulic hose (Part No. 108-8449) | 3. Hydraulic hose (Part No. 108-8453) | 4. Hydraulic hose (Part No. 108-8454) |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|
-



g362591

**Figure 25**  
Model 08745

- |              |                                       |                                       |                                       |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 1. Cable tie | 2. Hydraulic hose (Part No. 108-8449) | 3. Hydraulic hose (Part No. 108-8453) | 4. Hydraulic hose (Part No. 108-8454) |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|
-

# 11

## Installing the Control Panel and Lever Guide Plate

Parts needed for this procedure:

1	Lever guide plate
2	Flange-head screw
2	Washer
1	Control panel decal
1	Control panel
1	Knob
3	Plastic cable tie

### Procedure

1. Insert the lever guide plate over the lift lever and loosely secure it to the frame with 2 flange-head screws and washers (Figure 26).

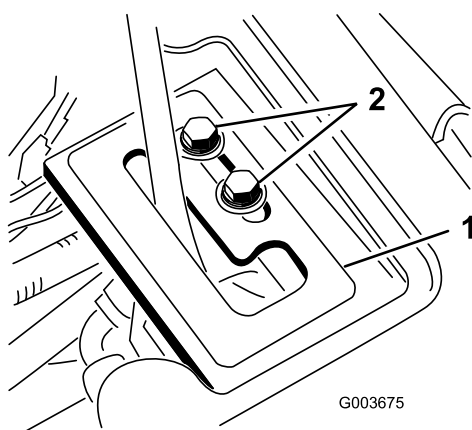


Figure 26

1. Lever guide plate
2. Flange-head screws

2. Check the hydraulic-fluid level and replenish the fluid as required.

### ⚠ WARNING

Hydraulic fluid escaping under pressure can penetrate skin and cause injury.

- If hydraulic fluid is injected into the skin it must be surgically removed within a few hours by a doctor familiar with this type of injury. Gangrene may result if this is not done.
- Keep body and hands away from pin hole leaks or nozzles that eject high-pressure hydraulic fluid.
- Use cardboard or paper to find hydraulic leaks.
- Safely relieve all pressure in the hydraulic system before performing any work on the hydraulic system.
- Ensure that all hydraulic-fluid hoses and lines are in good condition and all hydraulic connections and fittings are tight before applying pressure to the hydraulic system.

3. Start the traction unit engine and check the fitting connections.
4. Install the wheel shroud, the center shroud, and the console.

**Note:** Do not install the control panel at this time. Ensure that the shrouds do not interfere with the hoses. Route the hoses as required. Reverse the shroud installation procedure used in step 1.

5. Install the rear tire and remove the blocks from under the rear of the machine.
6. Torque the lugs nuts to 61 to 75 N·m (45 to 55 ft-lb).
7. With the engine running and lift lever in the **Float** position, slide the lever guide plate until the lift cylinder can be extended and retracted by hand (Figure 26).

### ⚠ WARNING

The engine must be running so that the final adjustment of the lift lever detent plate can be performed. Contact with moving parts or hot surfaces may cause personal injury.

Keep hands, feet, face, and other body parts away from rotating parts, the muffler, and other hot surfaces.

# 12

## Reading/Storing the Documentation

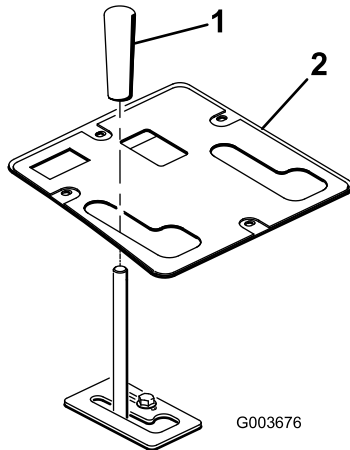
Parts needed for this procedure:

1	<i>Operator's Manual</i>
---	--------------------------

### Procedure

1. Read the documentation.
2. Store the documentation in a safe place.

8. Tighten both lift lever guide plate mounting screws to secure the adjustment ([Figure 26](#)).
9. Remove the hour meter from the old control panel and install it in the new control panel.
10. Install the new control panel and plug the wire into the hour meter.
11. Secure the control panel in place with the fasteners previously removed ([Figure 27](#)).



**Figure 27**

g003676

1. Knob
2. Control panel

- 
12. Install the knob onto the lift lever ([Figure 27](#)).
  13. Grease the front lift frame; refer to [Greasing the Lift Frame \(page 21\)](#).
  14. Check the hydraulic-fluid level and replenish the fluid as required.

# Operation

## Specifications

Net weight	38.5 kg (85 lb)
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## Attachments/Accessories

A selection of Toro approved attachments and accessories is available for use with the machine to enhance and expand its capabilities. Contact your Authorized Service Dealer or Distributor or go to [www.Toro.com](http://www.Toro.com) for a list of all approved attachments and accessories.

## Operating Tips

- The front lift frame is designed to accept only certain attachments. Do not try to install a rear mount attachment to the front lift frame, as damage to the machine may occur.
- To lower the front lift frame, push the lift lever forward.
- To allow the front lift frame to float, push the lift lever forward and to the side into the detent.
- To raise the front lift frame, pull the lift lever rearward.
- Become familiar with the safe operation of the equipment, with the operator controls, and safety signs.
- Keep hands and feet away from moving parts and hot surfaces.

# Maintenance

**Note:** To obtain an electrical schematic or a hydraulic schematic for your machine, visit [www.Toro.com](http://www.Toro.com).

## Greasing the Lift Frame

The front lift frame has 5 grease fittings ([Figure 28](#)) that must be lubricated regularly with No. 2 lithium grease. If the machine is operated under normal conditions, lubricate all bearings and bushings after every 100 hours of operation. Lubricate the bearings and bushings immediately **after every** washing, regardless of the interval listed.

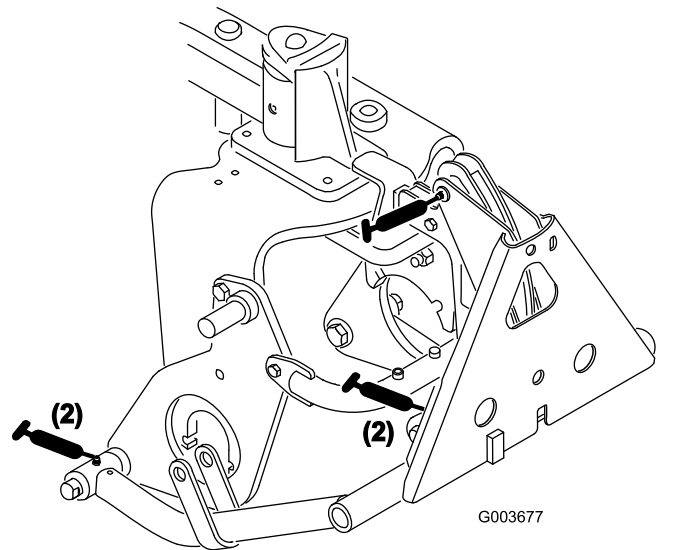


Figure 28

g003677

# Declaration of Incorporation

The Toro Company, 8111 Lyndale Ave. South, Bloomington, MN, USA declares that the following unit(s) conform(s) to the directives listed, when installed in accordance with the accompanying instructions onto certain Toro models as indicated on the relevant Declarations of Conformity.

Model No.	Serial No.	Product Description	Invoice Description	General Description	Directive
08712	417200000 and Up	Front Lift Frame	FRONT LIFT FRAME KIT	Front Lift Frame Assembly	2006/42/EC

Relevant technical documentation has been compiled as required per Part B of Annex VII of 2006/42/EC.

We will undertake to transmit, in response to requests by national authorities, relevant information on this partly completed machinery. The method of transmission shall be electronic transmittal.

This machinery shall not be put into service until incorporated into approved Toro models as indicated on the associated Declaration of Conformity and in accordance with all instructions, whereby it can be declared in conformity with all relevant Directives.

Certified:



Tom Langworthy  
Engineering Director  
8111 Lyndale Ave. South  
Bloomington, MN 55420, USA  
December 19, 2024

Authorized Representative:

Marcel Dutrieux  
Manager European Product Integrity  
Toro Europe NV  
Nijverheidsstraat 5  
2260 Oevel  
Belgium

# UK Declaration of Incorporation

The Toro Company, 8111 Lyndale Ave. South, Bloomington, MN, USA declares that the following unit(s) conform(s) to the directives listed, when installed in accordance with the accompanying instructions onto certain Toro models as indicated on the relevant Declarations of Conformity.

Model No.	Serial No.	Product Description	Invoice Description	General Description	Regulation
08712	417200000 and Up	Front Lift Frame	FRONT LIFT FRAME KIT	Front Lift Frame Assembly	S.I. 2008 No. 1597

Relevant technical documentation has been compiled as required per Schedule 10 of S.I. 2008 No. 1597.

We will undertake to transmit, in response to requests by national authorities, relevant information on this partly completed machinery. The method of transmission shall be electronic transmittal.

This machinery shall not be put into service until incorporated into approved Toro models as indicated on the associated Declaration of Conformity and in accordance with all instructions, whereby it can be declared in conformity with all relevant Directives.

This declaration has been issued under the sole responsibility of the manufacturer.  
The object of the declaration is in conformity with relevant UK legislation.



Tom Langworthy  
Engineering Director  
8111 Lyndale Ave. South  
Bloomington, MN 55420, USA  
December 19, 2024

Authorized Representative:

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Manager European Product Integrity  
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Spellbrook Lane West  
Bishop's Stortford  
CM23 4BU  
United Kingdom



**Count on it.**