



# EU Compliance Kit

## Multi Pro 1750 Turf Sprayer

Model No. 41209

### Operator's Manual

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

The EU Compliance Kit is designed to meet German safety requirements by enabling operators to clean out residual chemicals from the sprayer system and clean the external machine while bypassing the chemical tank. It is a dedicated kit for a turf spray application vehicle and is intended to be used by professional, hired operators in commercial applications.

This product complies with all relevant European directives. For details, please see the separate product specific Declaration of Conformity (DOC) sheet.

Read this manual carefully to learn how to operate and maintain your product properly. The information in this manual can help you and others avoid injury and product damage. Although Toro designs and produces safe products, you are responsible for operating the product properly and safely.

## Safety

This manual identifies potential hazards and has safety messages identified by the safety alert symbol (Figure 1), which signals a hazard that may cause serious injury or death if you do not follow the recommended precautions.



**Figure 1**

1. Safety alert symbol

This manual uses 2 other words to highlight information.

**Important** calls attention to special mechanical information and **Note** emphasizes general information worthy of special attention.

Also read the safety and operation instructions in the vehicle *Operator's Manual*.



# Chemical Safety

## **▲ WARNING**

*Chemical substances used in the spray system may be hazardous and toxic to you, bystanders, animals, plants, soils or other property.*

- **Carefully read and follow the chemical warning labels and Material Safety Data Sheets (MSDS) for all chemicals used and protect yourself according to the chemical manufacturer's recommendations. For example, use appropriate Personal Protective Equipment (PPE) including face and eye protection, gloves, or other equipment to guard against personal contact with the chemical.**
- **Keep in mind that there may be more than one chemical used and information on each should be assessed.**
- ***Refuse to operate or work on the sprayer if this information is not available!***
- **Before working on a spray system, make sure the system has been triple rinsed and neutralized according to the recommendations of the chemical manufacturer(s).**
- **Verify there is an adequate supply of clean water and soap nearby, and immediately wash off any chemicals that contact you.**
- Obtain proper training before using or handling chemicals.
- Use the correct chemical for the job.
- Follow the chemical manufacturer's instructions for the safe application of the chemical.
- Handle chemicals in a well ventilated area.
- Wear goggles and other protective equipment as instructed by the chemical manufacturer. Ensure that as little skin as possible is exposed while using chemicals.
- Have clean water available especially when filling the spray tank.
- Do not eat, drink, or smoke while working with chemicals.
- Always wash your hands and other exposed areas as soon as possible after finishing the work.
- Properly dispose of unused chemicals and chemical containers as instructed by the chemical manufacturer and your local codes.
- Chemicals and fumes in the tanks are dangerous; never enter the tank or place your head over or in the opening.
- Follow all local, state, and federal requirements for the spraying of chemicals.

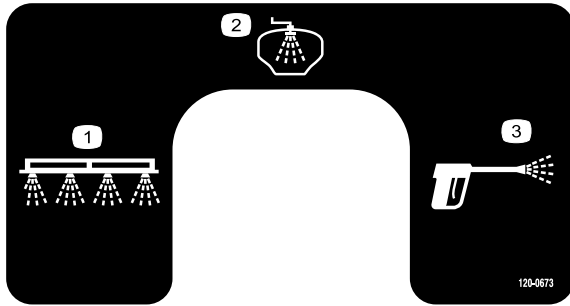
# Hand Sprayer Safety

- Do not aim the hand sprayer at any person or animal. Fluids under high pressure can penetrate skin and cause severe injury, possibly resulting in amputation or death. Hot liquids and chemicals can also cause burns or injury. If any part of the body comes in contact with the spray stream, immediately consult a physician familiar with injected fluid injuries.
- Do not place your hand or any other part of your body in front of the spray nozzle.
- Do not leave the equipment under pressure when you are not present.
- Do not use the hand sprayer if the hose, trigger lock, nozzle, or any other part is damaged or missing.
- Do not use the hand sprayer if there are any leaks in any hoses, fittings, or other components.
- Do not spray near power lines; the spray stream could contact the power lines and give you a potentially fatal electrical shock.
- Do not drive while spraying with a hand sprayer.
- Wear rubber gloves, safety goggles, and a full-body protective suit when spraying chemicals with the hand sprayer.
- Lightning can cause severe injury or death. If lightning is seen or thunder is heard in the area, do not operate the machine; seek shelter.

# Safety and Instructional Decals

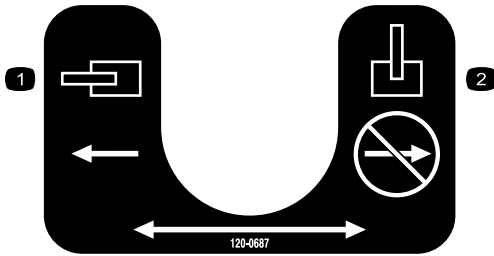


Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.



120-0673

- 1. Boom spray
- 2. Rinse Tank
- 3. Hand spray



120-0687

- 1. Valve, open
- 2. Valve, closed

# 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>	Left side rinse tank bracket Right side rinse tank bracket Large washer Flange nut Carriage bolt (3/8 x 1 inch) Carriage bolt (3/8 x 1.25 inch) Rinse tank Retaining fork Bulkhead fitting 90-degree hosebarb	1 1 2 5 2 3 1 1 1 1	Install the rinse tank.
<b>3</b>	Rinse nozzle hosebarb Plastic flange nut Bulkhead fitting Rinse nozzle Bushing Rinse vane Shoulder bolt	2 2 2 2 2 2 2	Install the rinse nozzle.
<b>4</b>	Rinse pump mounting bracket Rinse pump Carriage bolt Nylock Washer Bolt Pump hosebarb Valve mount Pressure filter Hosebarb Nipple Small hairpin Flange whiz nut	1 1 2 2 4 4 1 1 1 1 1 2 4	Install the rinse pump.
<b>5</b>	Four-way valve Hosebarb fitting (1 inch NPT x 3/4 inch HB) 90-degree hosebarb fitting Hosebarb fitting (3/4 inch NPT x 1/2 inch HB) Reducer fitting Faceplate bracket Valve mount assembly Bolt (6 mm) Flat washer (6 mm) Locknut (6 mm) Nut (3/8 inch) Bolt (3/8 inch)	1 1 2 1 1 1 1 4 4 4 2 2	Assemble and mount the four-way valve.

Procedure	Description	Qty.	Use
<b>6</b>	Fuse, 40-amp	1	Install the dashboard switch and fuse.
	Dash switch	1	
<b>7</b>	Ball valve	1	Install the ball valve and mounting assembly.
	Hosebarb fitting	2	
	Valve mount bracket	1	
	Hex head bolt (6 mm)	2	
	Hex head bolt (5/16 x 0.613 inch)	2	
	Flange nut (6 mm)	2	
<b>8</b>	O-ring	1	Install the pressure filter assembly.
	90-degree hosebarb	1	
	Pressure filter	1	
	Fork	1	
<b>9</b>	S67 connector	1	Install the tee assembly.
	90-degree hosebarb fitting	1	
	Tee	1	
	Reducer	1	
	S53 Fork pin	3	
	O-rings	4	
<b>10</b>	Pressure hose (36 inches, 3/4 inch I.D.)	1	Install the hose between the ball valve and the four-way valve.
	Hose clamp	2	
<b>11</b>	Boom hose (44 inches, 3/4 inch I.D.)	1	Install the hose between the tee assembly and the ball valve.
	Hose clamp	2	
<b>12</b>	Hose (24 inches)	1	Install the hose between the pressure filter assembly and the four-way valve.
	Hose clamp	2	
<b>13</b>	Hose (24 inches)	2	Install the tee mount hoses.
	Tee fitting	1	
	Hose clamp	4	
<b>14</b>	Rinse nozzle hose (28-1/2 inches. 3/4 inch I.D.)	1	Install the hose from the four-way valve to the sprinkler tee.
	Hose clamp	2	
<b>15</b>	Long hose (25 feet, 1/2 inch I.D.)	1	Connect the spray hose and gun.
	Spray gun	1	
	Hose clamp	1	
	spray gun hosebarb	1	
<b>16</b>	Hose (45 inches)	1	Install the rinse tank hose.
	Hose clamp	2	
	Conduit	1	
<b>17</b>	Decal (120-0673)	1	Install the decal.
	Decal (120-0687)	1	

**Note:** Use Teflon tape to wrap the fitting threads before you assemble the fittings. Wrap the threads from left to right, starting at the base and travelling to the tip of the fitting (looking down the axis of the fitting, the tape should be wrapped clockwise from back to front).

**Note:** To install this kit more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil, on the barbed end of the hosebarb fittings.

# 1

## Preparing the Machine

### No Parts Required

### Procedure

1. Move the sprayer onto a level surface, set the parking brake, stop the pump, stop the engine, and remove the ignition key.
2. Drain the contents of the tank to remove any chemicals in the lines. Refer to the *Operator's Manual* for more information.

**Note:** Take caution while disconnecting any hoses during the installation of this kit, and have a catch bucket ready for any chemicals remaining in the hose.

### ⚠ CAUTION

Chemicals are hazardous and can cause personal injury.

- Read the directions on the chemical labels before handling the chemicals, and follow all manufacturer recommendations and precautions.
- Keep chemicals away from your skin. Should contact occur, wash the affected area thoroughly with soap and clean water.
- Wear goggles and any other protective equipment recommended by the chemical manufacturer.

# 2

## Installing the Rinse Tank

### Parts needed for this procedure:

1	Left side rinse tank bracket
1	Right side rinse tank bracket
2	Large washer
5	Flange nut
2	Carriage bolt (3/8 x 1 inch)
3	Carriage bolt (3/8 x 1.25 inch)
1	Rinse tank
1	Retaining fork
1	Bulkhead fitting
1	90-degree hose barb

### Installing the Hardware for the Rinse Tank Straps and Spray Gun Bracket

1. Remove and retain the fasteners securing the front tank straps at the top of the tank. Discard the short carriage bolt and nut holding the R-clamp in place.
2. Install 2 carriage bolts in the upper inboard holes on the front tank straps (Figure 2).

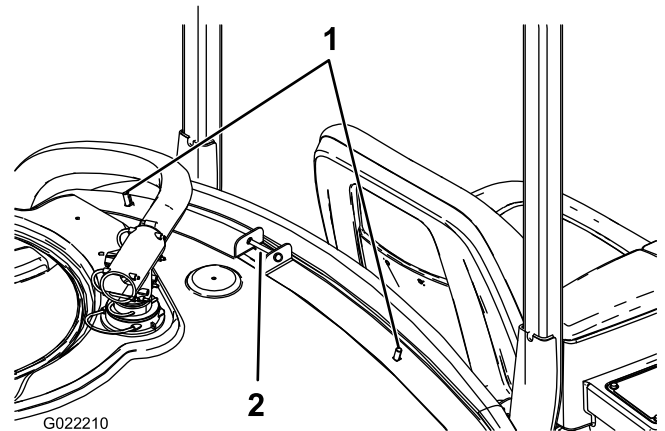
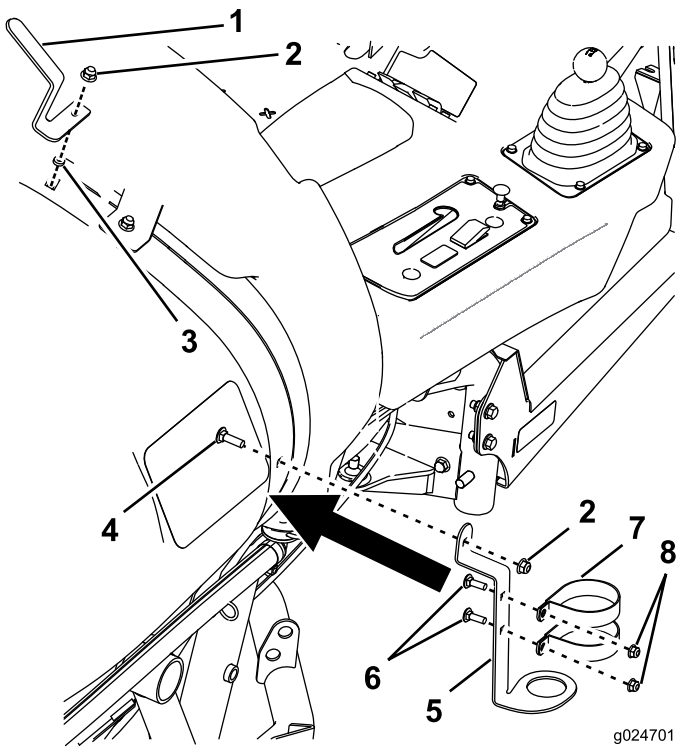


Figure 2

1. Carriage bolts (3/8 x 1.25 inch)
2. Tank strap fastener

3. Install the spray gun bracket and the house mount (Figure 3).



**Figure 3**

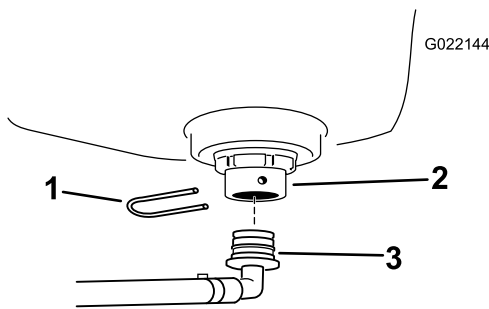
- |                                    |                                 |
|------------------------------------|---------------------------------|
| 1. Hose mount                      | 5. Hand spray gun bracket       |
| 2. Nut                             | 6. Carriage bolt (3/8 x 1 inch) |
| 3. Washer                          | 7. Clamp                        |
| 4. Carriage bolt (3/8 x 1.25 inch) | 8. Nut                          |

4. Install the tank strap fasteners removed previously to secure the straps to the tank.

**Note:** Make sure the straps are secure to the tank. Do not overtighten. the straps.

## Installing the Rinse Tank

1. Install the bulk head fitting onto the rinse tank (Figure 4).

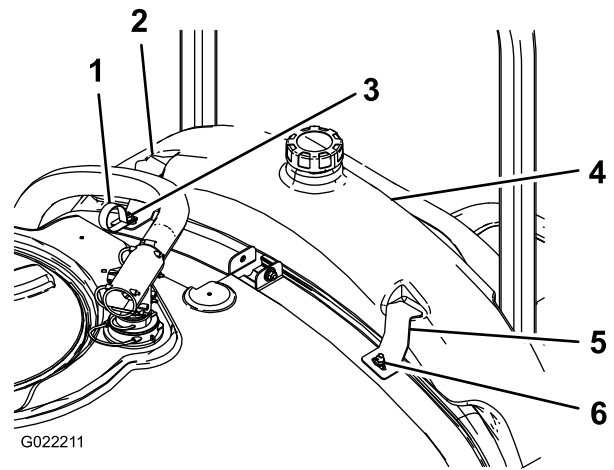


**Figure 4**

- |                     |                       |
|---------------------|-----------------------|
| 1. Retaining fork   | 3. 90-degree hosebarb |
| 2. Bulkhead fitting |                       |

2. Remove the guard behind the seat of the machine where the rinse tank will be installed.
3. Install the rinse tank as shown in Figure 5.

**Note:** You may need to move the fresh water tank to install the rinse tank.



**Figure 5**

- |                                 |                                  |
|---------------------------------|----------------------------------|
| 1. R-clamp                      | 4. Rinse tank                    |
| 2. Left side rinse tank bracket | 5. Right side rinse tank bracket |
| 3. Flange nut                   | 6. Flange nut                    |

4. Using 2 flange nuts, install the rinse tank brackets to the previously installed carriage bolts (Figure 5).

**Note:** Replace the R-clamp during this time too.

**Note:** Once the rinse tank has been initially filled, the rinse tank strap fasteners should be checked and tightened if necessary as the weight of the liquid can further seat the tank against the frame.

# 3

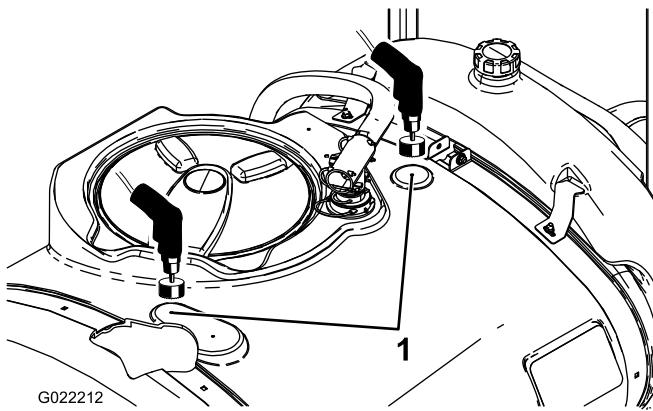
## Installing the Rinse Nozzles

### Parts needed for this procedure:

2	Rinse nozzle hosebarb
2	Plastic flange nut
2	Bulkhead fitting
2	Rinse nozzle
2	Bushing
2	Rinse vane
2	Shoulder bolt

## Drilling the Main Tank

1. Open the tank lid and remove the strainer basket.
2. Locate the two drill marks on the main tank (Figure 6).



**Figure 6**

1. Drill marks

3. Use a 4 cm (1-5/8 inch) hole saw to drill a hole at each drill mark.

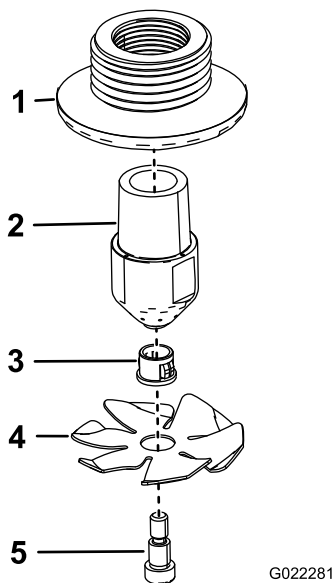
**Note:** Place a receptacle inside the tank and below the areas to be drilled to catch any debris created during the cutting.

**Important:** Debris left inside a tank could clog and damage the spray system during operation.

**Note:** Drilling counter clockwise will make drilling easier.

## Installing the Rinse Nozzles

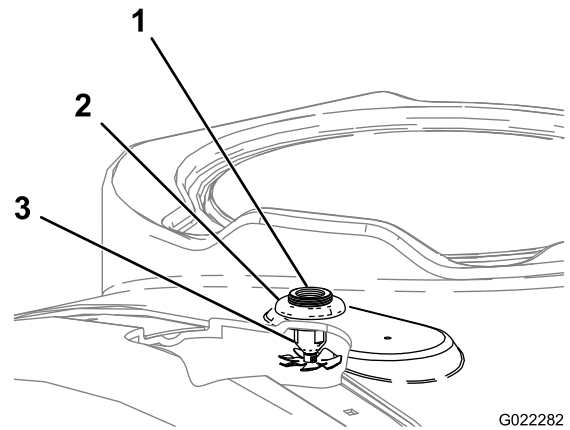
1. Assemble the 2 rinse nozzles as shown in Figure 7.



**Figure 7**

- |                     |                  |
|---------------------|------------------|
| 1. Bulkhead fitting | 4. Rinse vane    |
| 2. Rinse nozzle     | 5. Shoulder bolt |
| 3. Bushing          |                  |

2. Install the nozzle assemblies up through the drilled holes (Figure 8).



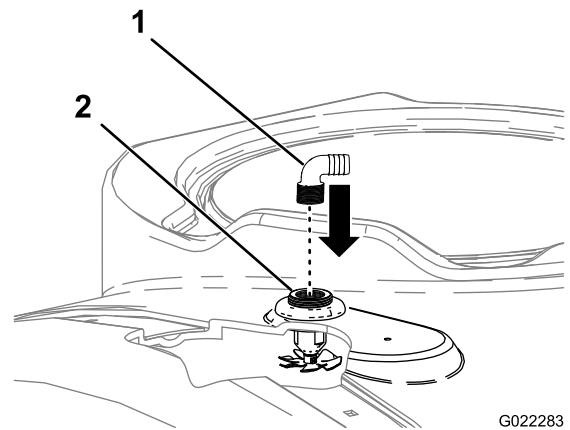
**Figure 8**

- |                       |                          |
|-----------------------|--------------------------|
| 1. Bulkhead fitting   | 3. Rinse nozzle assembly |
| 2. Plastic flange nut |                          |

3. Install the plastic flange nut over the exposed threads of the bulkhead on top of the tank (Figure 8).

**Note:** Ensure that the seal is seated correctly between the bulkhead fitting and the underside of the tank.

4. Install the 2 rinse nozzle hosebarbs into the threaded openings of the rinse nozzle bulkheads (Figure 9).



**Figure 9**

- |                          |                          |
|--------------------------|--------------------------|
| 1. Rinse nozzle hosebarb | 2. Rinse nozzle assembly |
|--------------------------|--------------------------|

5. Direct the hosebarbs towards the middle of the right side of the machine.

# 4

## Installing the Rinse Pump

### Parts needed for this procedure:

1	Rinse pump mounting bracket
1	Rinse pump
2	Carriage bolt
2	Nylock
4	Washer
4	Bolt
1	Pump hosebarb
1	Valve mount
1	Pressure filter
1	Hosebarb
1	Nipple
2	Small hairpin
4	Flange whiz nut

### Procedure

1. Remove the fasteners and hairpin securing the rear tank straps at the top of the tank. Retain all parts.
2. Install 2 carriage bolts to the right hand tank strap (Figure 10).

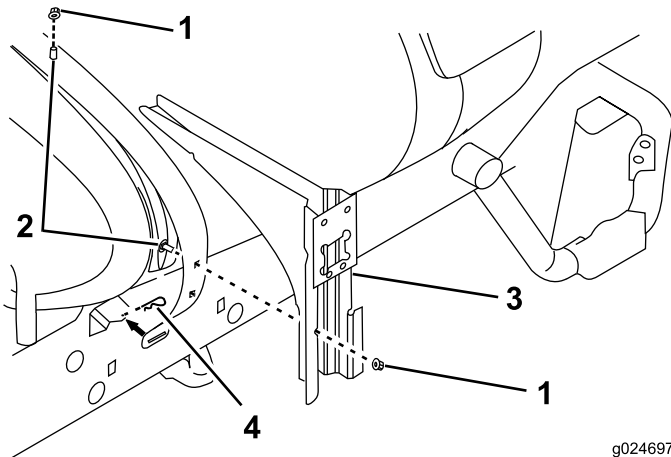


Figure 10

1. Nut
2. Carriage bolt
3. Valve mount
4. Hairpin

3. Install the tank strap fasteners and hairpin hook removed previously to secure the straps to the tank. Make sure the strap is secure to the tank. **Do not overtighten.**

4. Attach the valve mount to the previously installed carriage bolts using 2 flange nuts (Figure 10).
5. Assemble the pressure filter assembly (Figure 11).

**Note:** Lightly lubricating the barbed end of a hose fitting with a non-petroleum based lubricant such as vegetable oil can ease the process of installation.

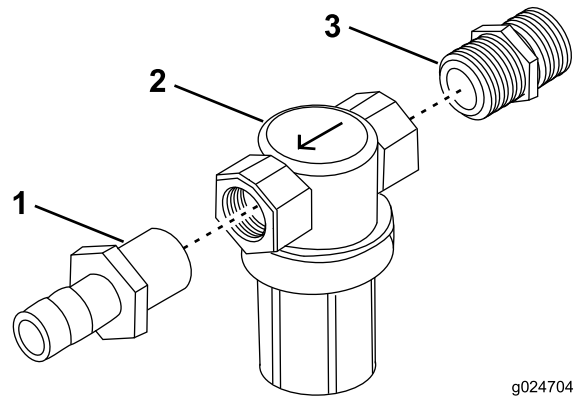


Figure 11

1. Hosebarb
2. Pressure filter
3. Nipple

6. Attach the pressure filter assembly to the rinse pump (Figure 12).

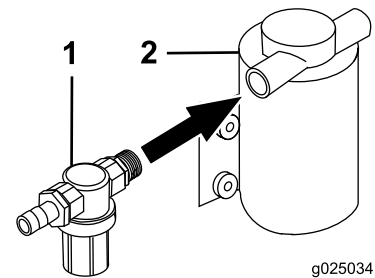


Figure 12

1. Pressure filter assembly
2. Rinse pump

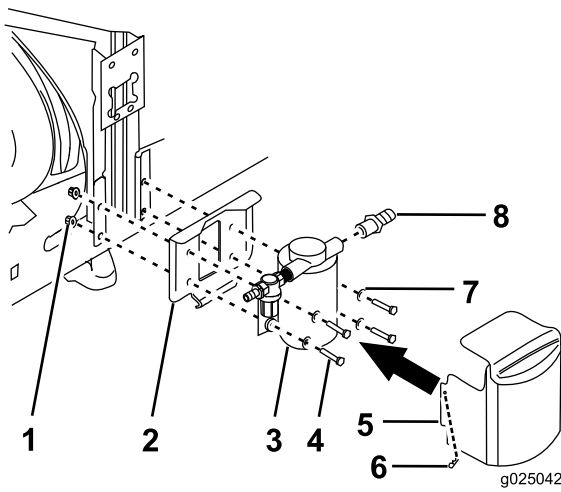
7. Secure the pump to the frame using the rinse pump mounting bracket and the 4 bolts, 4 flange whiz nuts and 4 washers (Figure 13).

# 5

## Assembling and Mounting the Four-Way Valve

### Parts needed for this procedure:

1	Four-way valve
1	Hosebarb fitting (1 inch NPT x 3/4 inch HB)
2	90-degree hosebarb fitting
1	Hosebarb fitting (3/4 inch NPT x 1/2 inch HB)
1	Reducer fitting
1	Faceplate bracket
1	Valve mount assembly
4	Bolt (6 mm)
4	Flat washer (6 mm)
4	Locknut (6 mm)
2	Nut (3/8 inch)
2	Bolt (3/8 inch)



**Figure 13**

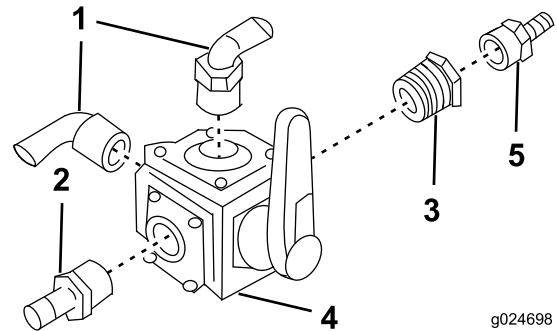
- |                                |                     |
|--------------------------------|---------------------|
| 1. Flange whiz nut             | 5. Rinse pump cover |
| 2. Rinse pump mounting bracket | 6. Hairpin          |
| 3. Rinse pump                  | 7. Washer           |
| 4. Bolt                        | 8. Hosebarb         |

8. Secure the rinse pump cover with the 2 hair pins.

### Procedure

1. Assemble the four-way valve (Figure 14).

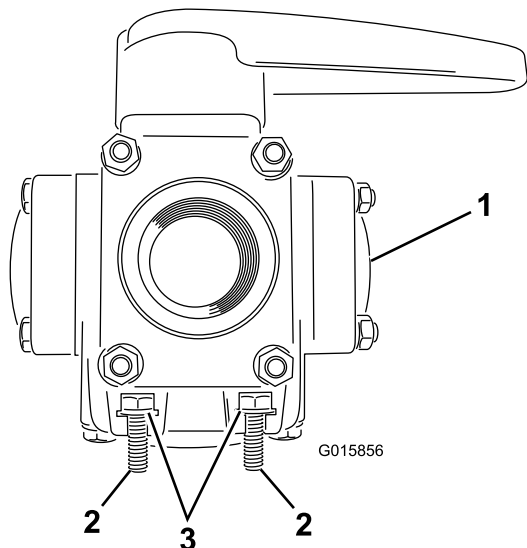
**Note:** The orientation of the hosebarb fittings is important and should be set to match Figure 14.



**Figure 14**

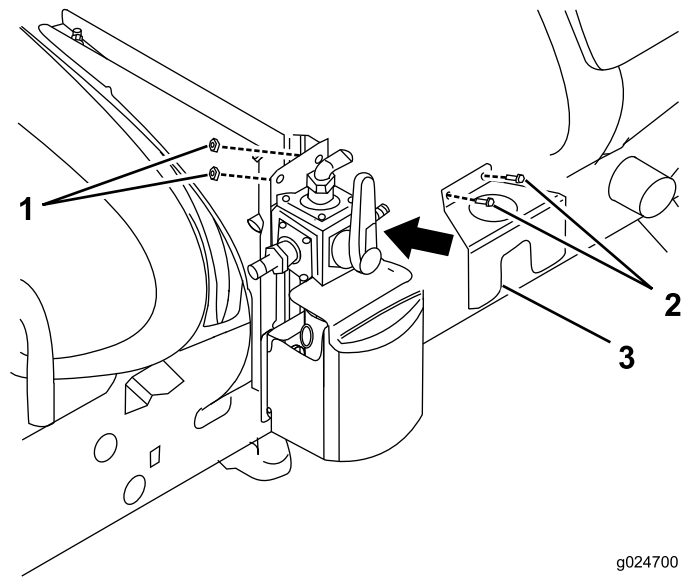
- |  |  |
|--|--|
| 1. 90-degree hosebarb                          | 4. Four-way valve                                |
| 2. Hosebarb fitting (1 inch NPT x 3/4 inch HB) | 5. Hosebarb fitting (3/4 inch NPT x 1/2 inch HB) |
| 3. Redcer                                      |  |

2. Insert 4 bolts (6mm) and 4 washers (6mm) into the slots of the four-way valve (Figure 15).



**Figure 15**

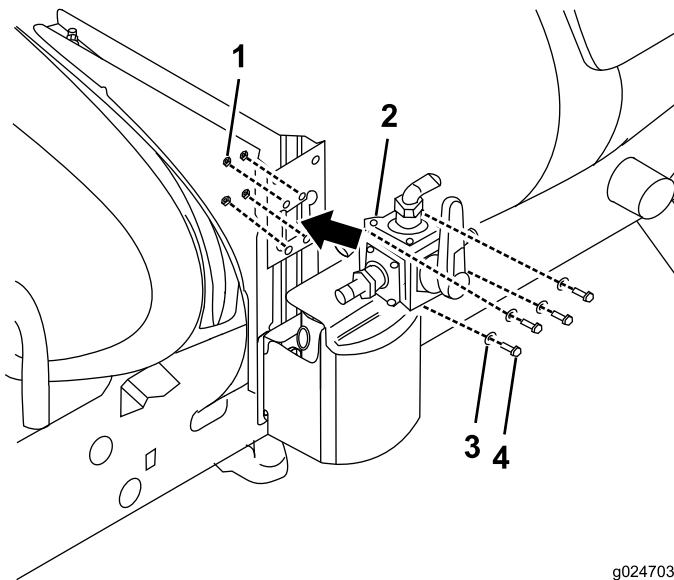
- 1. Four-way valve
- 2. Bolt (4)
- 3. Washer (4)



**Figure 17**

- 1. Nut
- 2. Bolt
- 3. Faceplate bracket

3. Install the four-way valve to the valve mount assembly with 4 locknuts (6 mm) (Figure 16).



**Figure 16**

- 1. Lock nut
- 2. Four-way valve
- 3. Washer
- 4. Bolt

4. Install the faceplate bracket onto the valve mount assembly with 2 flange bolts and 2 flange nuts (Figure 17).

# 6

## Installing the Dashboard Switch and Fuse

### Parts needed for this procedure:

1	Fuse, 40-amp
1	Dash switch

### Installing the Dashboard Switch

1. Locate the plug for the rinse tank switch on the dashboard (Figure 18).

**Note:** It is the first plug to the right of the lockout key.

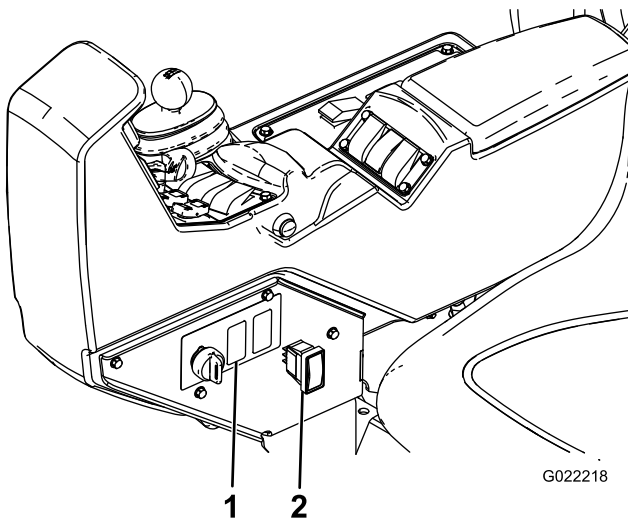


Figure 18

1. Hole in dash
2. Dash switch

2. Remove the plug from the dashboard (Figure 18).
3. From below the dash, locate the box connector labeled "Rinse Tank" in the main harness.
4. Remove the plastic tie that secures the box connector and route it toward the open hole in the dashboard.
5. Install the switch to the box connector through the dashboard (Figure 18).
6. Push the switch into the dashboard to mount the switch.
7. In the fuseblock, remove the 30-amp fuse and replace with 40-amp fuse.

# 7

## Installing the Ball Valve and Mounting Assembly

### Parts needed for this procedure:

1	Ball valve
2	Hosebarb fitting
1	Valve mount bracket
2	Hex head bolt (6 mm)
2	Hex head bolt (5/16 x 0.613 inch)
2	Flange nut (6 mm)

### Procedure

1. Using a 1/4 inch drill bit, drill 2 holes onto the frame (Figure 19).

**Note:** Measure the holes to be 2.5 inches from the machine.

**Note:** Use the ball valve bracket for a template.

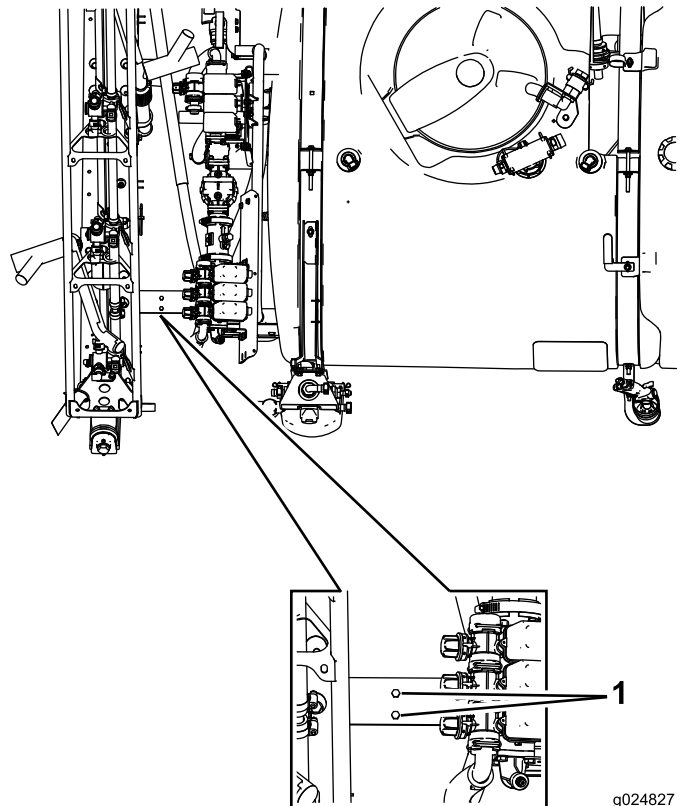
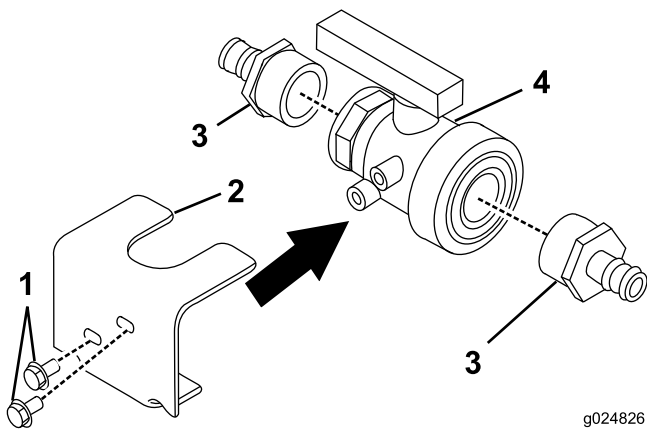


Figure 19

1. Drill holes
2. Assemble the Ball Valve mount assembly (Figure 20).

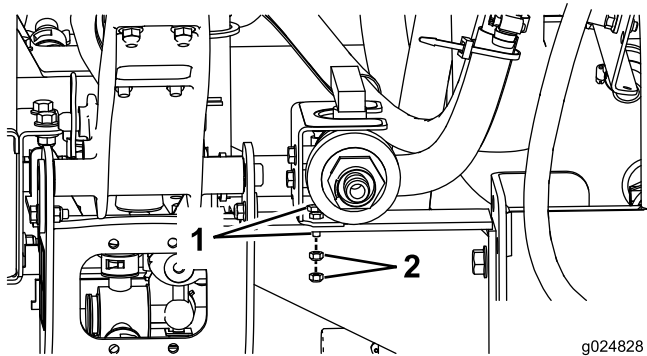


**Figure 20**

- 1. Bolt (5/16 x 0.613 inch)
- 2. Ball valve bracket
- 3. Hose barb
- 4. Ball valve

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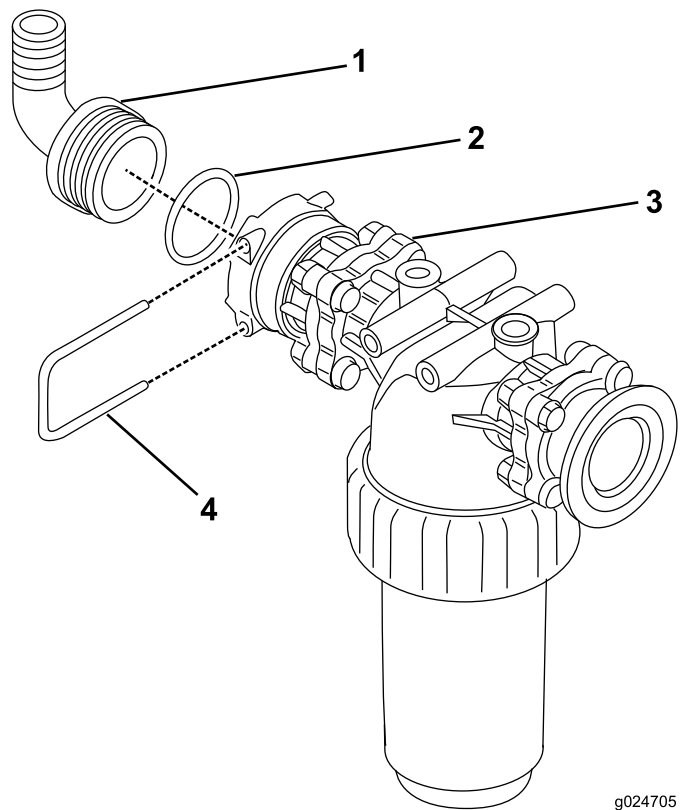
3. Install the ball valve and valve mount bracket to the machine with 2 hex-head bolts (6 mm) and 2 flange nuts (6 mm) (Figure 21).



**Figure 21**

- 1. Bolt
- 2. Nut

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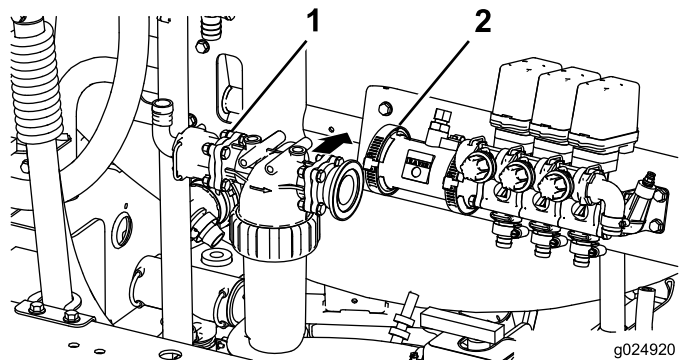
**Figure 22**

- 1. 90-degree hose barb
- 2. O-ring
- 3. Pressure filter
- 4. Retaining fork

g024705

2. Remove the existing clamp, fitting and hoses located on the clamp (Figure 23).

**Note:** Discard the fitting but keep the clamp and the 5 inch hose.



**Figure 23**

- 1. Pressure filter assembly
- 2. Clamp

g024920

3. Install the pressure filter assembly to the machine (Figure 23).
4. Install the 5 inch hose to the 90-degree hose barb on the pressure filter and run it to the agitation valve it was originally connected to.
5. Clamp the hose into place.

# 8

## Installing the Pressure Filter Assembly

### Parts needed for this procedure:

1	O-ring
1	90-degree hose barb
1	Pressure filter
1	Fork

### Procedure

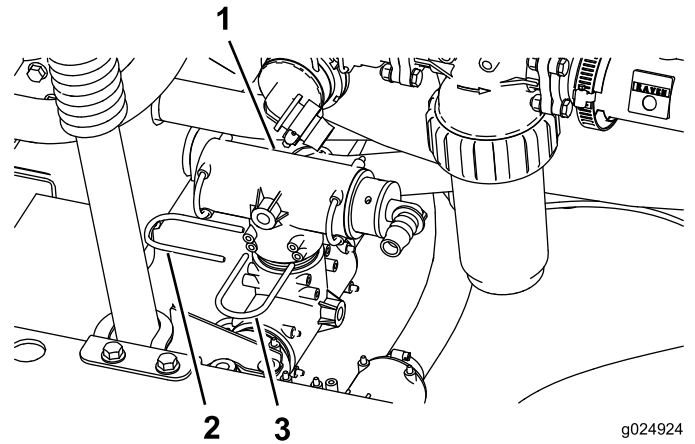
1. Assemble the pressure filter assembly (Figure 22).

# 9

## Installing the Tee Assembly

### Parts needed for this procedure:

1	S67 connector
1	90-degree hosebarb fitting
1	Tee
1	Reducer
3	S53 Fork pin
4	O-rings

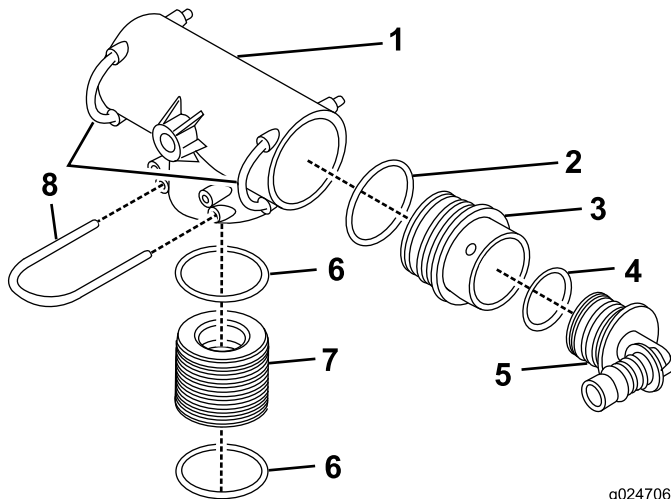


**Figure 25**

- 1. Tee assembly
- 2. Retaining fork
- 3. Retaining fork

### Procedure

1. Assemble the tee mount assembly (Figure 24).



**Figure 24**

- 1. Tee
- 2. O-ring
- 3. Reducer
- 4. O-ring
- 5. Hose mount
- 6. O-ring
- 7. Connector
- 8. Retaining fork

2. Install the tee assembly to the tee mount on the bottom left side of the rear of the machine (Figure 25).

**Note:** Remove the 90-degree hosebarb fitting already installed on the tee mount and put it on the left side of the assembly being installed.

# 10

## Installing the Hose between the Ball Valve and the Four-Way Valve

### Parts needed for this procedure:

1	Pressure hose (36 inches, 3/4 inch I.D.)
2	Hose clamp

### Procedure

Install the hose (Figure 26).

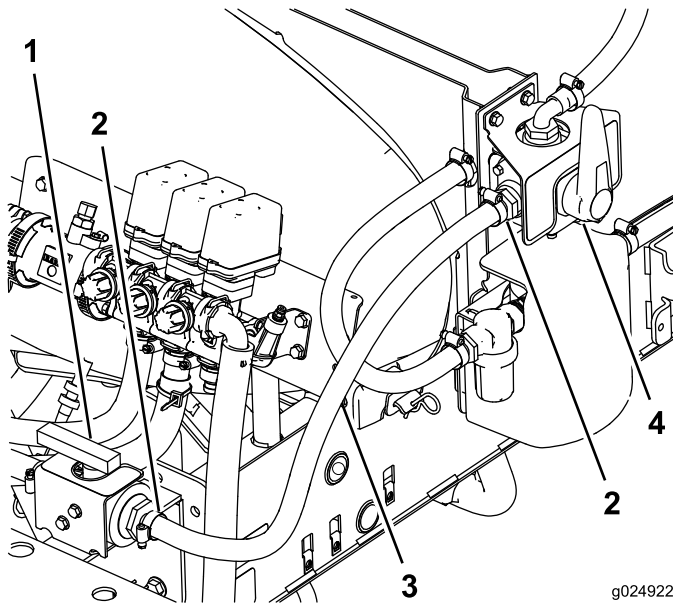


Figure 26

- 1. Ball valve
- 2. Hose clamp
- 3. Hose
- 4. Four-way valve

# 11

## Installing the Hose between the Tee Assembly and the Ball Valve

### Parts needed for this procedure:

1	Boom hose (44 inches, 3/4 inch I.D.)
2	Hose clamp

### Procedure

Install the hose (Figure 27).

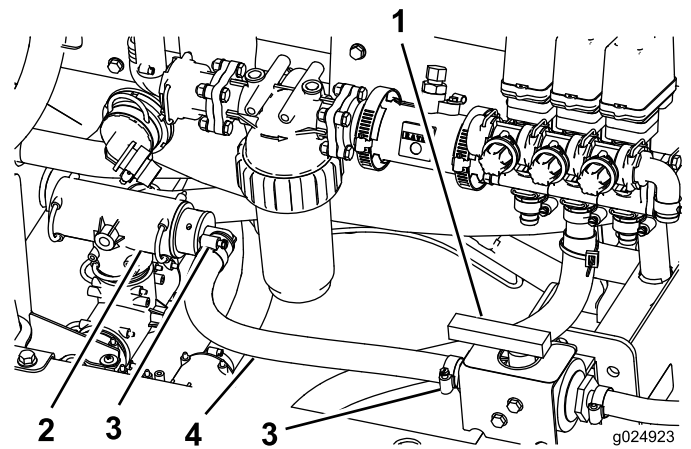


Figure 27

- 1. Ball valve
- 2. Tee assembly
- 3. Hose clamp
- 4. Hose

# 12

## Installing the Hose Between the Pressure Filter Assembly and the Four-Way Valve

### Parts needed for this procedure:

1	Hose (24 inches)
2	Hose clamp

### Procedure

Install the hose (Figure 28).

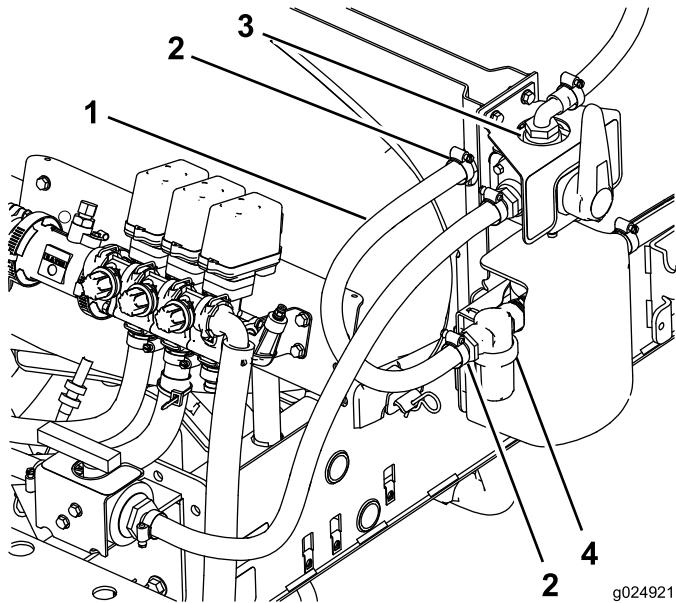


Figure 28

- 1. Hose
- 2. Hose clamp
- 3. 4-way valve
- 4. Filter

# 13

## Installing the Tee Mount Hoses

### Parts needed for this procedure:

2	Hose (24 inches)
1	Tee fitting
4	Hose clamp

### Procedure

Install the 24 inch hoses and tee (Figure 29).

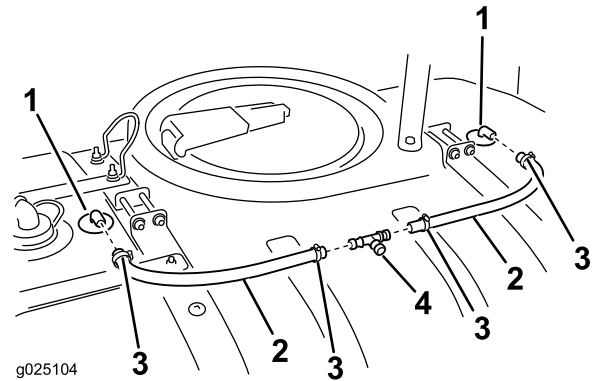


Figure 29

- 1. Rinse nozzle barb
- 2. Rinse nozzle hose
- 3. Hose clamp
- 4. Tee

# 14

## Installing the Hose from the Four-Way Valve to the Sprinkler Tee

### Parts needed for this procedure:

1	Rinse nozzle hose (28-1/2 inches. 3/4 inch I.D.)
2	Hose clamp

### Procedure

1. Locate the supply hose in loose parts.
2. Install a hose clamp over each end of the hose.
3. Install the hose to the open end of the tee fitting installed previously (Figure 30).

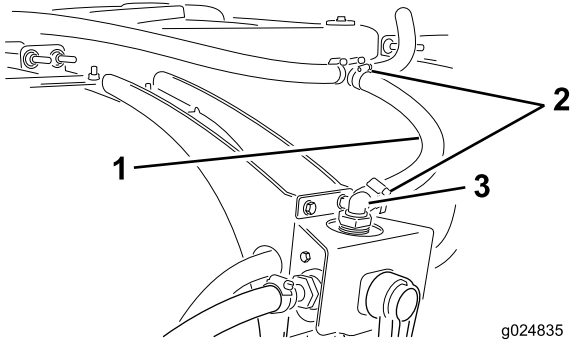


Figure 30

1. Supply hose
2. Hose clamps
3. 90-degree hosebarb fitting

4. Slide the hose clamp over the barb and tighten the clamp to secure the hose end.
5. Install the other end of the hose over the 90-degree hosebarb fitting at the top of the four-way valve.
6. Slide the hose clamp over the barb, and tighten the clamp to secure the hose end.

# 15

## Connecting the Spray Hose and Gun

### Parts needed for this procedure:

1	Long hose (25 feet, 1/2 inch I.D.)
1	Spray gun
1	Hose clamp
1	spray gun hosebarb

### Procedure

1. Assemble the spray gun (Figure 31).

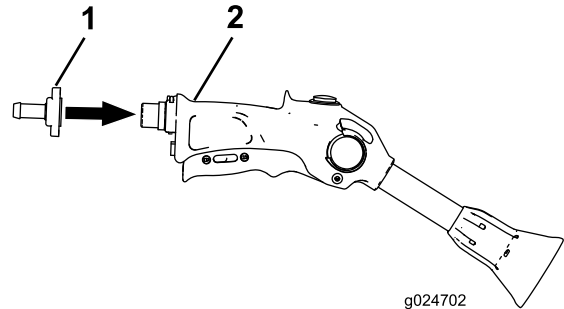


Figure 31

1. Spray gun hosebarb
2. Spray gun

2. Connect the end of the hose to the fitting on the spray gun and secure the hose end with a small clamp.
3. Connect the other end of the hose to the right side hosebarb on the 4-way valve and secure the hose end with a small clamp.
4. Wrap the hose around the hooks of the tank and place the spray gun in the spray gun bracket.

# 16

## Installing the Rinse Tank Hose

### Parts needed for this procedure:

1	Hose (45 inches)
2	Hose clamp
1	Conduit

### Install the Rinse Tank Hose

1. Route the rinse tank hose between the front tank strap and the side of the tank (Figure 32).

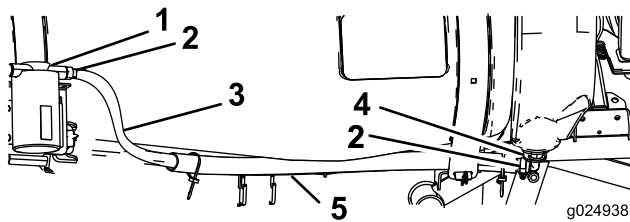


Figure 32

1. Rinse pump
2. Hose clamp
3. Hose
4. Rinse tank hosebarb
5. Conduit

2. Attach the end of the hose to the lower hosebarb on the rinse pump with a hose clamp (Figure 32).

# 17

## Installing Decals

### Parts needed for this procedure:

1	Decal (120-0673)
1	Decal (120-0687)

### Procedure

1. Locate and thoroughly clean the area the 2 decals will be placed (Figure 33).

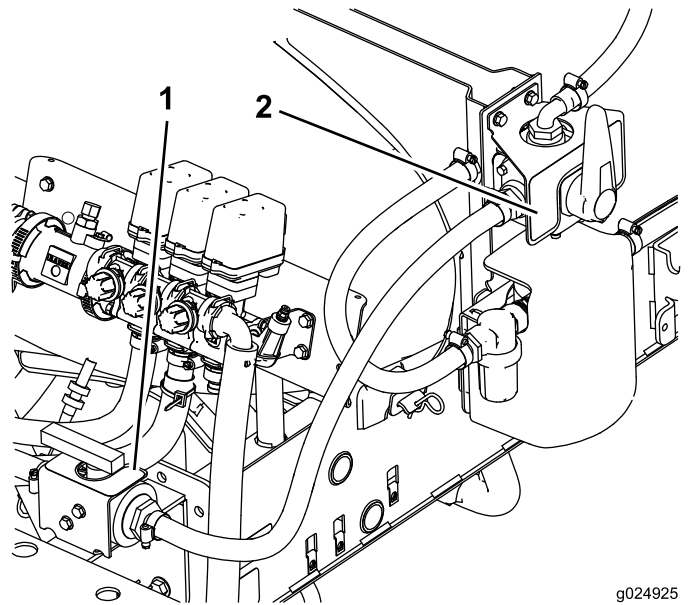


Figure 33

1. Decal (120-0687)
  2. Decal (120-0673)
- 
2. Peel the decal from the backing and install the decals to the machine (Figure 33).
  3. Configure the decals so they accurately represent the positions of the valves.

# Operation

## Tank Cleanse Rinse Kit Operation

Using the Tank Cleanse Rinse Kit creates a rinsate; a diluted solution of residual chemicals. In many cases it is appropriate to apply the rinsate onto the treated areas. However, before

doing so, check with the manufacturer of the chemical to ensure the application of a diluted solution to the treated areas will not adversely affect the performance of the product.

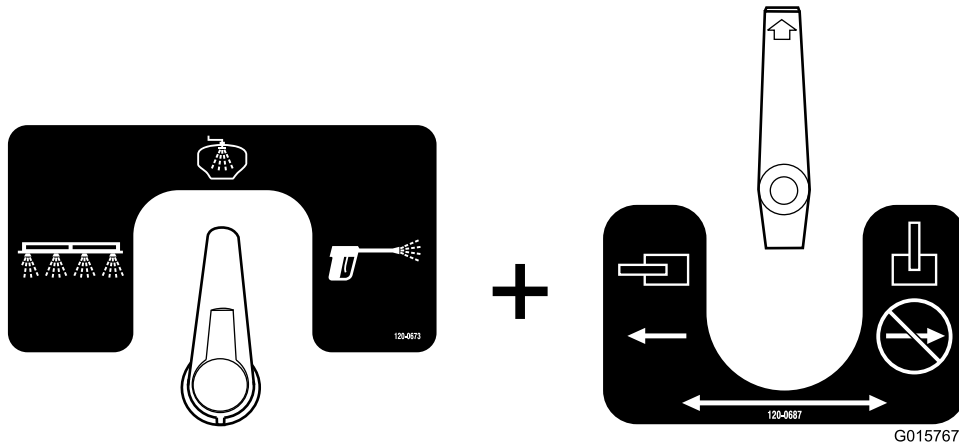
**Important:** The Tank Cleanse Rinse Kit is not intended to dislodge clumped masses of wettable powder or “water-soluble” chemicals that occur when chemicals are not properly introduced into the main tank.

### Configuring the Valves for the Rinse System

**Note:** Do not set the valves in any other configuration except those shown below.

- This is the tank rinsing configuration (Figure 34). Use this configuration to spray rinse water out of the rinse nozzles in the tank.

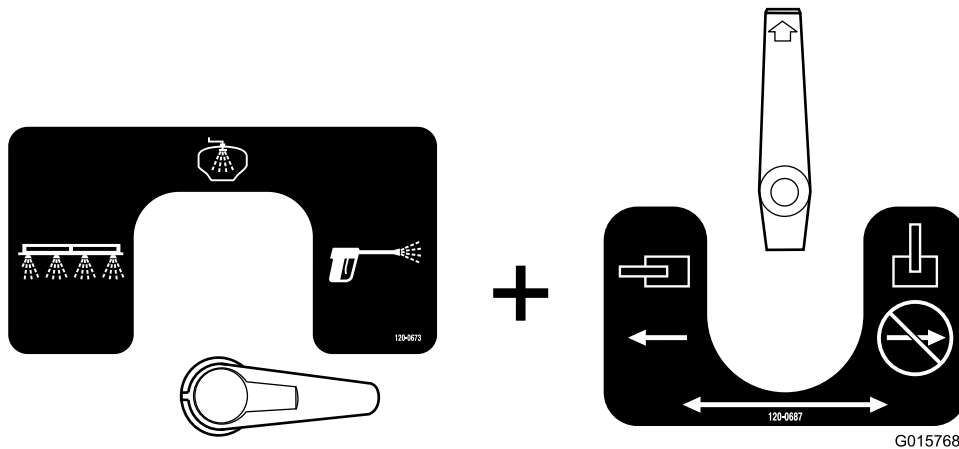
**Note:** The ball valve must be in this position when using the spray system.



**Figure 34**  
4-way valve + Ball Valve

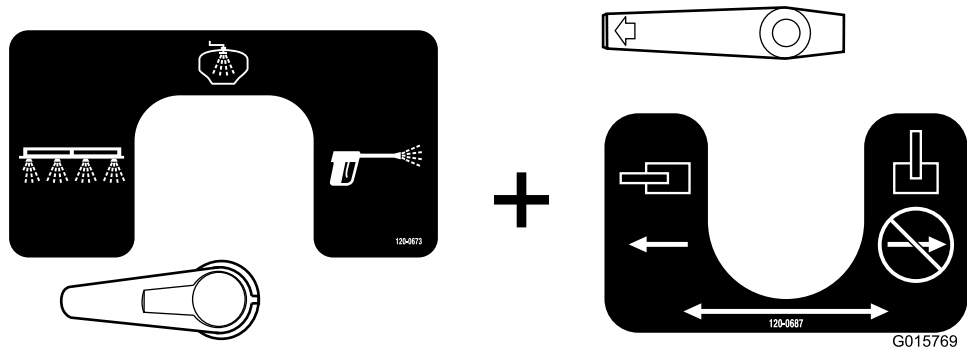
- This is the spray gun configuration (Figure 35). Use this configuration to spray rinse water out of the hand spray gun.

**Note:** The ball valve must be in this position when using the spray system.



**Figure 35**  
4-way valve + Ball Valve

- This is the boom configuration (Figure 36). Use this configuration to spray rinse water out of the booms.  
**Important:** Do not set the ball valve in this position when you operate the main chemical pump.

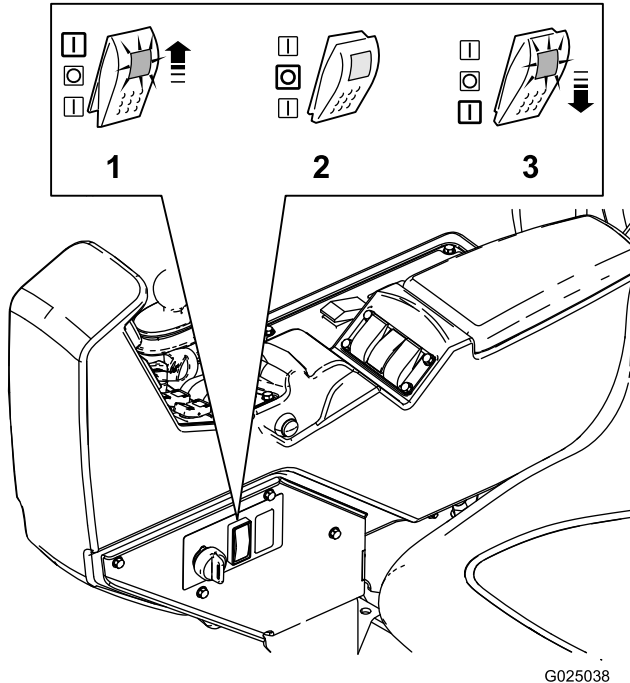


**Figure 36**  
4-way valve + Ball Valve

## Controls

The Tank Cleanse Rinse Kit is controlled by a 3-position switch.

- **Up:** the rinse pump is On, the switch will lock in the up position, and the delay timer is activated.
- **Neutral:** the rinse pump is Off and switch is in a middle position.
- **Down:** the rinse pump is On, the switch must be held in the down position, and the delay timer is not activated.



**Figure 37**

1. Up, On or timed rinse position
2. Neutral, Off position
3. Down, On or momentary rinse position

Pressing the switch **Up** engages a timed rinse. The pump engages for 60 seconds and pumps approximately 1/3 of the rinse tank contents into the main tank. During this time, the switch will stay in the up position. After 60 seconds, the pump stops running. The switch will remain in the up position until moved to the center or neutral position.

When the switch is in the **Neutral** position the power is not supplied to the pump and the rinse kit is Off.

Pressing the switch **Down** engages a momentary switch. Power is supplied to the pump for the duration in which the switch is held down. Release pressure and the switch will move to the neutral position and power will not be supplied to the pump. While the switch is held in the down position the pump will run.

## Filling the Tank

Position the sprayer on a level surface, set the parking brake, stop the pump, stop the engine, and remove the ignition key.

Remove the rinse tank cap and fill the tank with approximately 66 L (17.5 US gallons) of clean water. Replace the cap

**Important:** The 66 L (17.5 US gallons) rinse tank is only intended to be filled with clean water. The introduction of any other substance to the rinse tank can cause a safety hazard and/or damage the machine.

## Using the Rinse Cycle

Using the rinse cycle allows the vehicle to be moving during the rinse processes.

1. Turn the rinse pump On:
  - Use the Up position for a timed rinse
  - Or press and hold the switch Down for the desired duration.
2. Once the pump has placed 22 L (5.8 US gallons) of water in the tank, the user can use the agitation switch to put clean water into the agitation loop.
3. Pump the rinsate out as required by Federal, State and Local regulations. Either:
  - Spray the rinsate through the booms until the main tank is empty.
  - Or drain the main tank contents into a suitable container and dispose of the diluted solution as required by federal, state or local regulations.

The rinse cycle can be repeated again as necessary or for 2 timed rinse cycles.

# Maintenance

## Inspecting the Rinse Pump Filter

**Service Interval:** After the first 5 hours

Every 50 hours

Check the filter for any signs of damage. Replace if any damage is found.

## Inspecting the Rinse System for Leaks and Damage

**Service Interval:** Before each use or daily—Inspect the hoses for leaks.

After the first 5 hours—Inspect the hoses for damage.

Every 100 hours—Inspect the hoses and O-rings for damage.

After the first 5 hours of operation, inspect all hoses and connections for any leaks or signs of damage. Inspect the hose clamps and retaining forks. Verify that all connections are secure. Replace any damaged parts. Repeat this inspection before each use of the rinse system.

After 100 operating hours, inspect all hoses and O-rings. Replace any damaged parts.

Contact your Authorized Toro Dealer to obtain replacement parts.

## Inspecting the Rinse Tank Straps

**Service Interval:** After the first hour—Check the rinse tank straps.

Once the main tank has been filled with water, check to see if there is any play in the tank straps. If the straps are loose, tighten the fasteners at the top of the straps until they are flush with tank. **Do not over-tighten the tank straps.**

**Important:** Over-tightening the tank strap fasteners can result in deforming and damaging of the straps.

**Notes:**



**Count on it.**