

## Contents of Crate

- Riding Mower (1)
- Steering Wheel/Shaft Assembly (1)
- Rear Hitch Plate (1)
- Rider Operator's Manual (1)
- Engine Operator's Manual (1)
- Seat Assembly (1)
- Rear Engine Cover (1)
- Oil Drain Sleeve (1)
- Steering Pedestal Cap (1)
- Hardware Pack (1)
- Discharge Chute Assembly (1)
- Mulch Plug (1)
- Product Registration Card (1)
- Front Bumper (1)

## Contents of Hardware Pack

Before beginning installation, remove all the contents from the crate and all the hardware from the pack to make sure everything is present. Hardware is listed below.

- Hitch Plate
- Seat Mounting Bracket (*with two shoulder bolts & lock nuts installed*)

## Recommended Tools for Assembly

- 3/8" Wrench (or Socket)
- 1/2" Wrench (or Socket)
- Phillips Screw Driver
- 1/4" Drive Ratchet
- 9/16" Socket
- 7/16" Wrench

## Manually Moving the Tractor

1. Engage the transmission bypass rod to move the tractor manually without starting it. The transmission bypass rod is located on the inside of the right tire near the rear of the tractor. Engage the bypass rod by pulling out and down. See Figure 3-1.

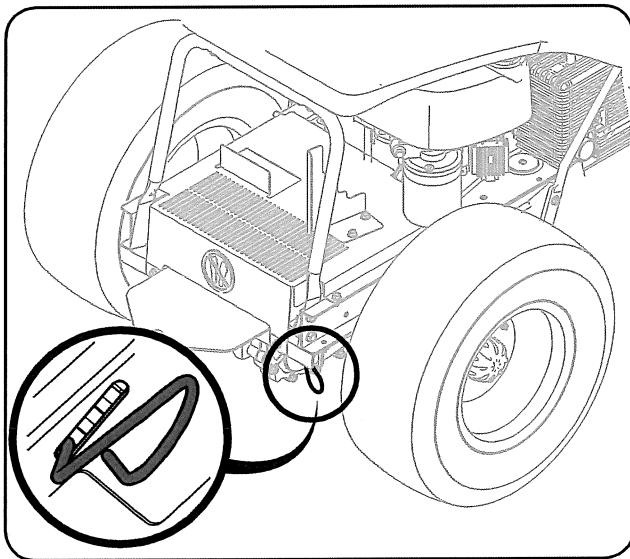


Figure 3-1

**NOTE:** If the tractor will not move or does not move freely when pushing check if the bypass lever is fully open or the brake is engaged.

**NOTE:** The transmission will NOT engage when the hydrostatic bypass rod is pulled out. Return the rod to its normal position prior to operating the tractor. If the tractor will not move when pushing on the forward/reverse pedals, or moves slowly, check to see if the bypass valve is on.



**CAUTION:** Never tow your tractor. Towing the tractor with the rear wheels on the ground may cause severe damage to the transmission.

2. Disengage the bypass rod by lifting up and allowing the rod to move back in after moving the tractor. See Figure 3-1.

## Installing the Steering Wheel Assembly

If the steering wheel assembly for your tractor did not come already installed, follow the steps below:

1. Slide the pedestal cap onto the steering shaft so that when the steering shaft is installed on the tractor, the pedestal cap will be upright as shown in Figure 3-2.

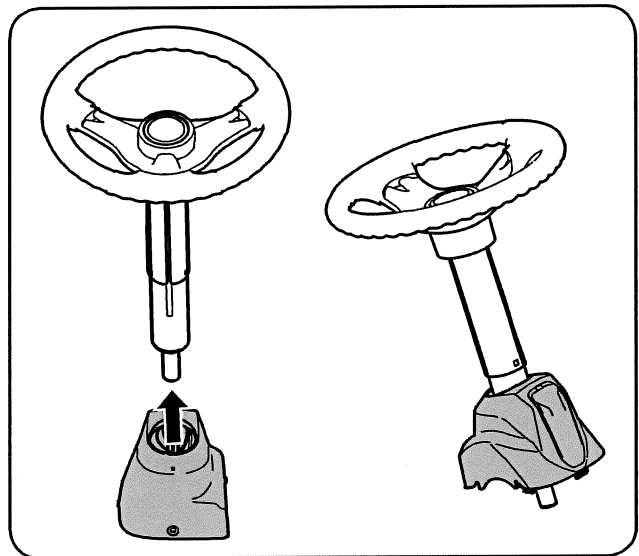


Figure 3-2

2. Remove the shoulder bolt and lock nut from the steering shaft and retain for later steps.

3. With the steering wheel assembly upright and positioned over the lower steering shaft on the tractor, align the steering wheel so that with the tractor wheels straight, the large opening of the steering wheel is facing forward.
4. Lower the steering wheel assembly onto the lower steering shaft and secure with the shoulder bolt and lock nut previously removed. See Figure 3-3.

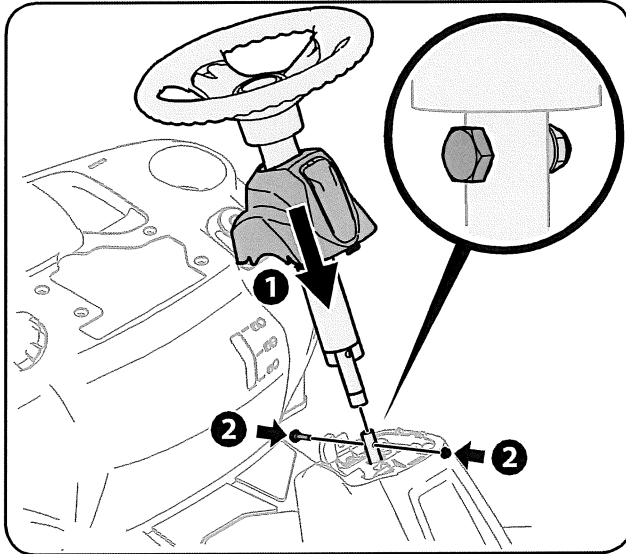


Figure 3-3

5. Tighten the shoulder bolt and lock nut using a 9/16" wrench or socket and 7/16" wrench or socket.
6. Remove the pedestal cap mount screw factory installed and located on the tractor's steering console. Retain the screw for later instructions.
7. Slide the pedestal cap down onto the tractor and connect the headlight as shown in the inset of Figure 3-4 (1) and slightly rotate to the right to clip into place. Secure the pedestal with the screw (2) previously removed. See Figure 3-4.

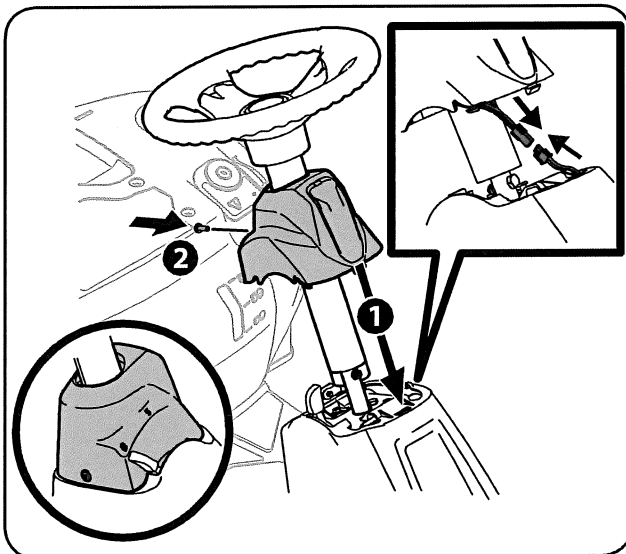


Figure 3-4

## Attaching the Seat

If the seat for your tractor was not attached at the factory, follow the applicable instructions below to attach it.

1. Remove the shoulder bolts and lock nuts from the seat mounting bracket included in your hardware pack. See Figure 3-5.

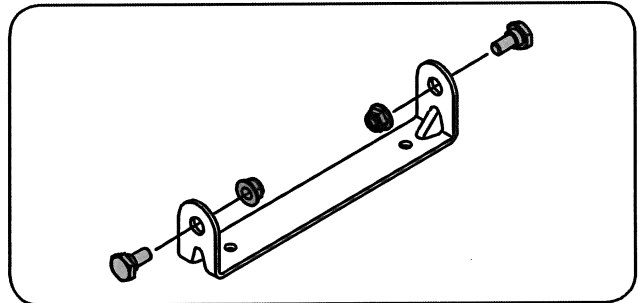


Figure 3-5

2. Remove the two self-tapping bolts factory installed on the tractor. See Figure 3-6.

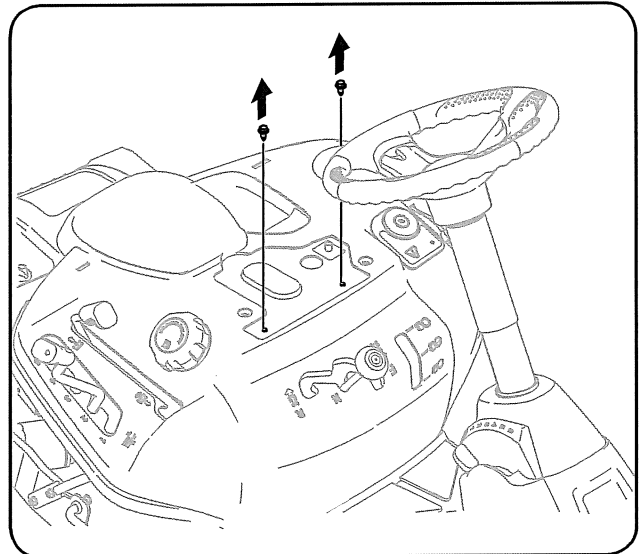


Figure 3-6

- Align the seat bracket in place over the holes from where the self-tapping bolts were removed, as shown in Figure 3-7.
- Using a 1/4-inch drive ratchet with a 3/8" socket, secure the seat bracket with the self-tapping bolts removed in step 2. See Figure 3-7.

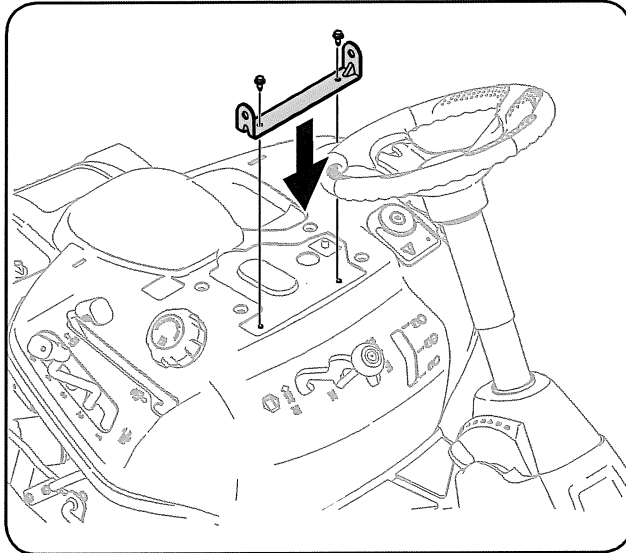


Figure 3-7



**CAUTION:** Do *not* use any type of power tool (e.g. impact gun or electric drill with nut driver attached) when tightening the self-tapping bolts to attach the seat bracket.

- Position the seat assembly over the seat mounting bracket, aligning the holes provided.
- Install the two shoulder bolts and lock nuts removed from the seat mounting bracket in Step 1. See Figure 3-8.

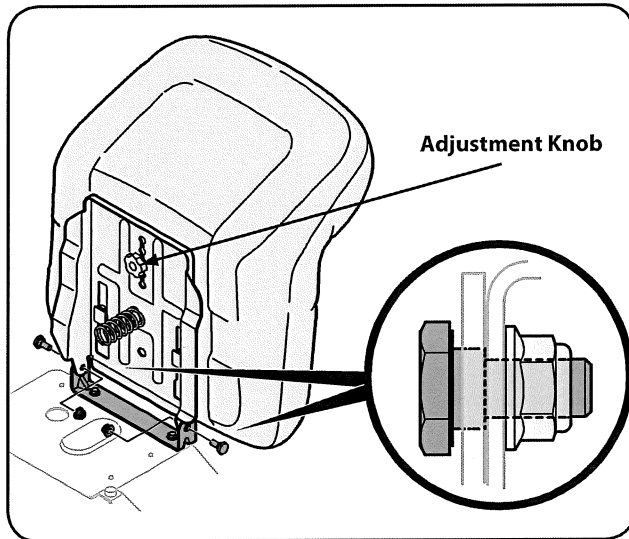


Figure 3-8

**NOTE:** Make sure that the bolt's shoulder is completely recessed into the seat bracket when securing the lock nut.

- To adjust the position of the seat, remove the adjustment knob on the bottom of the seat. Slide the seat forward or backward as desired. Retighten the adjustment bolt. Refer to Figure 3-8.

## Installing the Deck Chute



**WARNING!** NEVER operate this tractor without either the mulch plug or deck chute installed.

- Remove the wing knobs installed on the mowing deck and retain for later installation.
- Install the deck chute into the deck discharge opening on the deck. The studs on the deck surface will fit through the holes on the upper portion of the deck chute. The small tab on the deck lip area will fit through the square cutout on the lower portion of the deck chute. See Figure 3-9.

**NOTE:** Make certain that the upper-rear portion of deck chute is depressing the safety switch located on the deck surface. The engine will not start without the deck chute properly in place.

- Secure the deck chute by tightening the wing knobs removed earlier. See Figure 3-9.

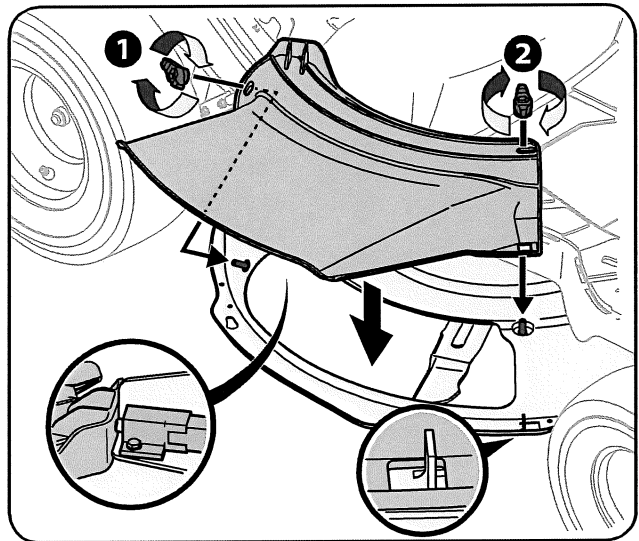


Figure 3-9

## Installing the Mulch Plug



**WARNING!** NEVER operate this tractor without either the mulch plug or deck chute installed.

- Remove the wing knobs installed on the mowing deck and retain for later installation.

2. Install the mulch plug into the deck discharge opening on the deck. The studs on the deck surface will fit through the holes on the upper portion of the mulch plug. The small tab on the deck lip area will fit through the square cutout on the lower portion of the mulch plug. See Figure 3-10.

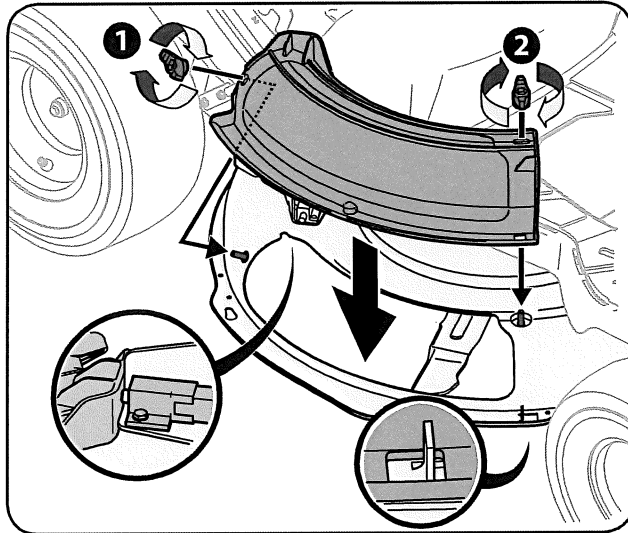


Figure 3-10

**NOTE:** Make certain that the upper-rear portion of mulch plug is depressing the safety switch located on the deck surface. The engine will not start without the mulch plug properly in place.

3. Secure the mulch plug by tightening the wing knobs removed earlier.

### Install the Rear Engine Cover

1. Remove the two factory installed hex screws located on the rear engine cover. Retain the screws for later instructions. See Figure 3-11.

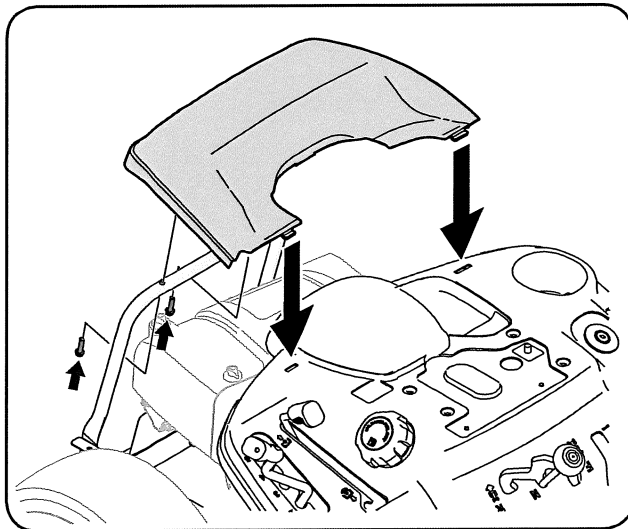


Figure 3-11

2. Install the rear engine cover by positioning it in place as shown in Figure 3-11. Tip the engine cover forward to fit it into the slots provided, then rotate it backwards to align the mounting holes.

3. Secure the cover with the two hex screws previously removed. Do not over-tighten.

### Installing the Hitch Plate

1. Remove the factory installed hitch plate mounting hardware located on the rear of the tractor. See Figure 3-12.

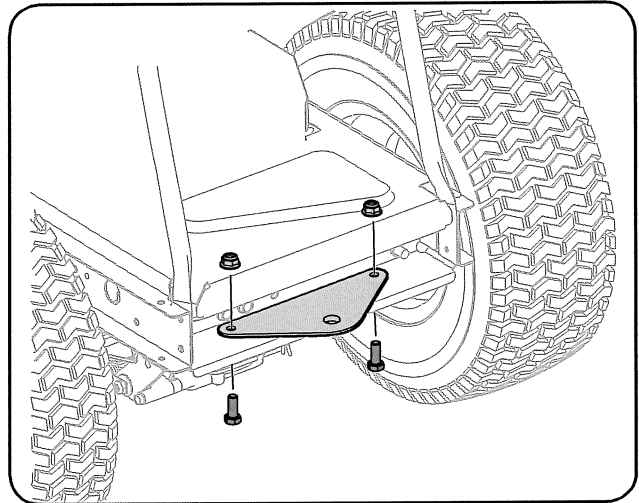


Figure 3-12

2. Position the hitch plate, packed with the loose parts, with the flat side up as shown in Figure 3-12. Secure using the two bolts and hex nuts previously removed.

### Installing the Bumper

1. Remove the two screws as shown in Figure 3-13.

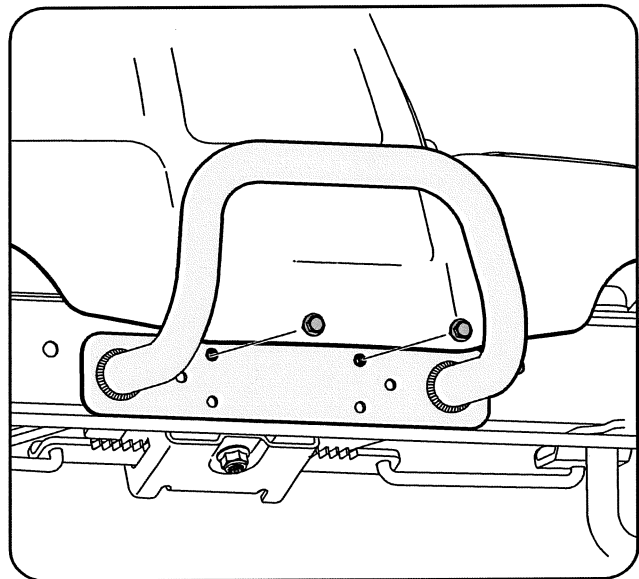


Figure 3-13

2. Position the bumper over the mounting holes and secure using the hardware removed in Step 1, as shown in Figure 3-13.

## Connecting the Battery Cables



**CALIFORNIA PROPOSITION 65 WARNING:** Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.



**CAUTION:** When attaching battery cables, always connect the POSITIVE (Red) wire to its terminal first, followed by the NEGATIVE (Black) wire.

For shipping reasons, both battery cables on your equipment may have been left disconnected from the terminals at the factory. To connect the battery cables, proceed as follows:

**NOTE:** The positive battery terminal is marked Pos. (+). The negative battery terminal is marked Neg. (-).

1. Remove the factory installed hex bolts and sems nuts located on the end of the wiring harness. Retain the hardware for later instructions.
2. Remove the plastic cover, if present, from the positive battery terminal and attach the red cable to the positive battery terminal (+) with one of the bolts and hex nuts, previously removed, using a  $\frac{7}{16}$  inch wrench and socket. See Figure 3-14.

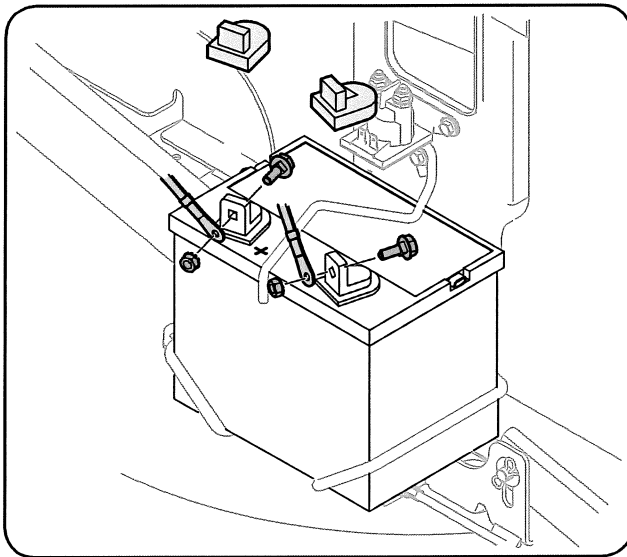


Figure 3-14

3. Remove the plastic cover, if present, from the negative battery terminal and attach the black cable to the negative battery terminal (-) with the remaining bolt and hex nut. See Figure 3-14.
4. Position the red rubber boot over the positive battery terminal to help protect it from corrosion.

**NOTE:** If the battery is put into service after the date shown on top/side of battery, charge the battery as instructed in the Service section prior to operating the tractor.

## Tire Pressure



**WARNING!** Equal tire pressure should be maintained at all times. Never exceed the maximum inflation pressure shown on the sidewall of the tire.

The recommended operating tire pressure is:

- Approximately 10 psi for the rear tires
- Approximately 14 psi for the front tires

**IMPORTANT:** Refer to the tire sidewall for exact tire manufacturer's recommended or maximum psi. Do not overinflate. Uneven tire pressure could cause the cutting deck to mow unevenly.

## Gas and Oil Fill-up

The gasoline tank is located under the seat. Do not overfill.



**WARNING!** Use extreme care when handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Never fuel machine indoors or while the engine is hot or running. Extinguish cigarettes, cigars, pipes, and other sources of ignition.

**IMPORTANT:** Your tractor is shipped with motor oil in the engine. However, you **MUST** check the oil level before operating. Be careful not to overfill.

Service and check the engine oil as instructed in the Engine Owner's Manual packed with your tractor. Read the instructions carefully.

**IMPORTANT:** It is important to **NOT** top off your fuel tank when filling with fuel. Leave an expansion area available inside the fuel tank to allow for the fuel to expand and for proper ventilation. Otherwise the unit may not run properly. Fill the tank in accordance with Figure 3-15.

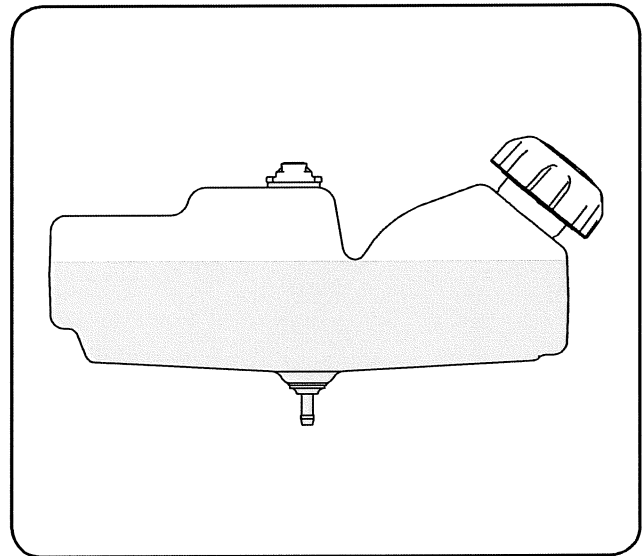


Figure 3-15