



Fuel Tank Fittings Kit

100 and 200 Series Z Master without Electronic Fuel Injection

Part No. 105-9362

Installation Instructions

Loose Parts

Note: Use the chart below to identify parts for assembly.

DESCRIPTION	QTY.	USE
Fuel bulkhead fitting	2	Installing the bulkhead fittings
Hose	1	
Grab Tool	1	
Thread locker	1	

Draining The Fuel Tank

! **Warning** !

Gasoline is harmful or fatal if swallowed. Long-term exposure to vapors can cause serious injury and illness.

- Avoid prolonged breathing of vapors.
- Keep face away from nozzle and gas tank or conditioner bottle opening.
- Keep gas away from eyes and skin.

! **Danger** !

In certain conditions, gasoline is extremely flammable and highly explosive. A fire or explosion from gasoline can burn you and others and can damage property.

- Drain gasoline from the fuel tank when the engine is cold. Do this outdoors in an open area. Wipe up any gasoline that spills.
- Never smoke when draining gasoline, and stay away from an open flame or where a spark may ignite the gasoline fumes.

Note: Fuel tanks hold up to 6 gallons of fuel each.

1. Park the machine on a level surface, to ensure the fuel tank drains completely. Then disengage the power take off (PTO), set the parking brake, and turn the ignition key to off. Remove the key.
2. Close the fuel shut-off valve (Fig. 1).
3. Loosen the hose clamp at the fuel filter and slide it up the fuel line away from the fuel filter.
4. Pull the fuel line off fuel filter. Open fuel shut-off valve and allow gasoline to drain into a gas can or drain pan.

Note: Now is the best time to install a new fuel filter because the fuel tank is empty.

5. Repeat these procedures for the opposite fuel tank.
6. Install the fuel line onto the fuel filter. Slide the hose clamp close to the fuel filter to secure the fuel line.

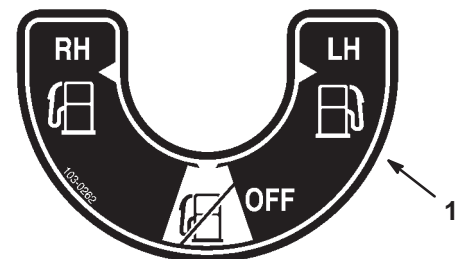


Figure 1

1. Fuel shut-off valve

Removing the Existing Grommet

1. Slide the hose clamp away from the tank fitting and then remove the hose.
2. Using a pliers, remove the fitting and grommet from the bottom of the fuel tank (Fig. 2).

Note: Ensure all of the grommet is removed from the fuel tank.

3. Repeat steps 1 and 2 for the opposite tank.

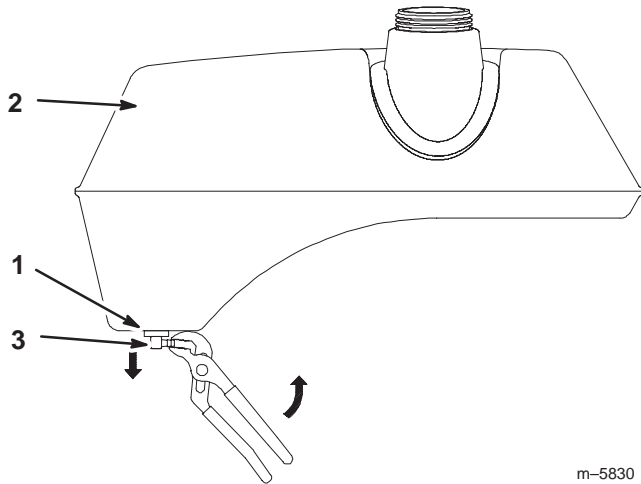


Figure 2

- | | |
|-------------------|------------|
| 1. Rubber grommet | 3. Fitting |
| 2. Fuel tank | |

m-5830

Installing the Bulkhead Fitting

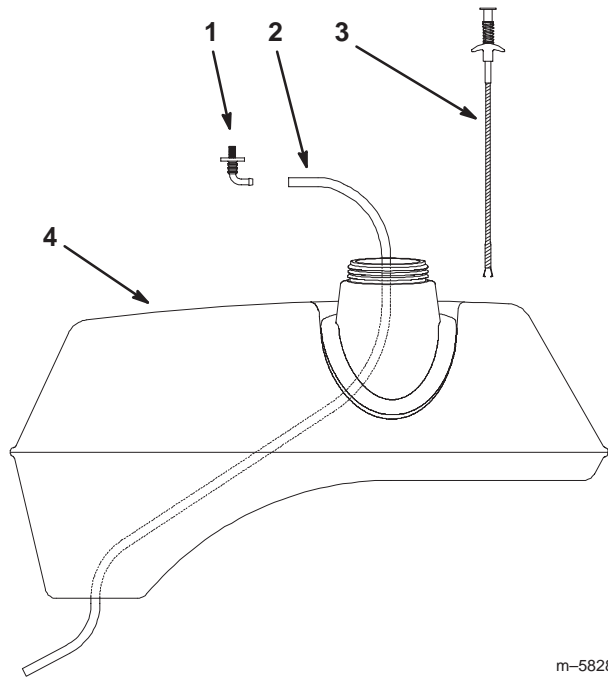
Note: Install bulkhead fittings in **both** tanks.

1. Push the installation hose up through the bottom hole in the fuel tank (Fig. 3).
2. Using the grab tool, reach down through the filler neck and pull the hose up through the filler neck (Fig. 3).
3. Remove the nut and washer from the bulkhead fitting.

Note: Make sure the rubber o-ring is retained in the groove of the bulkhead fitting.

4. Attach the installation hose onto the elbow of the bulkhead fitting (Fig. 3).

5. Pull the hose and bulkhead fitting back down into the fuel tank. Pull the hose until the elbow is through the bottom hole (Fig. 3).



m-5828

Figure 3

- | | |
|----------------------|--------------|
| 1. Bulkhead fitting | 3. Grab tool |
| 2. Installation hose | 4. Fuel tank |

6. Pull the bulkhead fitting through the hole until the threads are showing (Fig. 4).
7. Remove the installation hose. Apply thread locking compound onto the threads of the fitting.
8. Install the washer and locknut onto the fitting. Position the elbow in the correct position, for the fuel line, and tighten the locknut (Fig. 4).
9. Install the fuel line onto the elbow of the fitting. Slide the hose clamp onto the elbow (Fig. 4).
10. Pour gasoline into the fuel tank, enough to cover the bulkhead, to check for leaks around the fitting area (Fig. 4).
11. If leaks occur, repeat by draining the fuel tank and installing the bulkhead fitting.
12. Repeat these procedures for the opposite fuel tank.

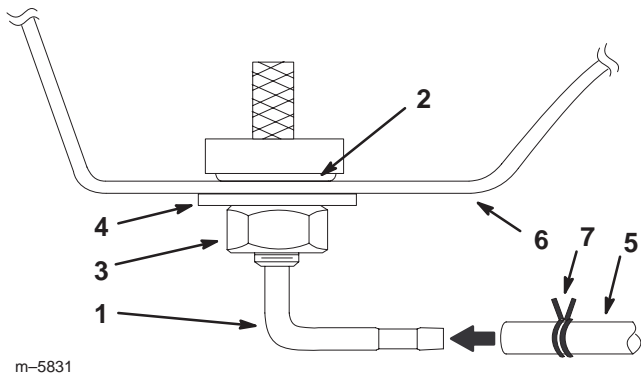


Figure 4

- | | |
|---------------------|---------------|
| 1. Bulkhead fitting | 5. Fuel line |
| 2. Rubber o-ring | 6. Fuel tank |
| 3. Nut | 7. Hose clamp |
| 4. Washer | |

