



# WPB-16 Fuel Tank Modification Kit

## For Use On All Multiquip Power Buggies

### Modification Instructions

The following instructions are intended to assist the user in the removal of the existing fuel tank on the WPB-16 Power Buggy and replacing it with another style type fuel tank (2-piece).

Please read the entire modification instructions before installing the new fuel tank. A modification diagram is provided (Figure 1) on the back side of this instruction sheet for your reference.

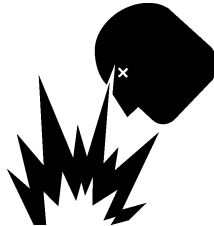
#### NOTE

This modification procedure is to be performed in-house only (Multiquip service personnel) in a well ventilated area.

#### Tools

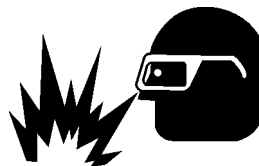
- Ratchet set with 7/16-inch socket.
- Crescent Wrench or 7/16-inch open end wrench.
- Flat Blade Screw Driver

#### CAUTION :



Use extreme caution when performing this modification procedure. The possibility exist that vapors from the fuel tank could ignite while the tank is being cut.

#### CAUTION :



**ALWAYS** wear eye protection while cutting the fuel tank.

#### GENERAL SAFETY

- **NEVER** operate this equipment without proper protective clothing, shatterproof glasses, steel-toed boots and other protective devices required by the job.
- **ALWAYS** use extreme caution when working with **flammable** liquids. **DO NOT** smoke around or near the machine. Fire or explosion could result from fuel vapors, or if fuel is spilled on a hot engine.
- **ALWAYS** refuel in a well-ventilated area, away from sparks and open flames.
- **ALWAYS** allow the engine to cool before performing this modification.
- **NEVER** work alone. **ALWAYS** have at least one additional person in the shop.
- **DO NOT** perform this modification in an explosive atmosphere or near combustible materials. An explosion or fire could result causing severe bodily harm or even death.
- **NEVER** operate this equipment under the influence or drugs or alcohol.
- **ALWAYS** know the location of the nearest **fire extinguisher** and **first aid kit**. Know the location of the nearest telephone. Also know the phone numbers of the nearest **ambulance, doctor** and **fire department**. This information will be invaluable in the case of an emergency

#### Parts

| NO. | P/N   | PART NAME                                | QTY. |
|-----|-------|--|------|
| 1   | 18098 | Tank                                     | 1    |
| 2   | 18103 | Cover                                    | 1    |
| 3   | 19633 | Grommet                                  | 2    |
| 4   | 0400B | Screw HHC, 5/16-18 x 1/2"                | 2    |
| 5   | 0300B | Washer, Flat 5/16"                       | 4    |
| 6   | 0161C | Washer, Lock 5/16"                       | 4    |
| 7   | 0131A | Screw, HHC 1/4-20 x 3/4"                 | 1    |
| 8   | 0948  | Washer, Flat 1/4"                        | 1    |
| 9   | 0181B | Washer, Lock Med 1/4"                    | 1    |
| 10  | 18184 | Tank Kit (Consist of Items 1 thru 3)     | 1    |
| 11  | 18212 | Hardware Kit (Consist of Items 4 thru 9) | 1    |



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## MODIFICATION PROCEDURE

### Removal of Fuel from Fuel Tank

When performing this modification, reference Figure 1.

1. Place the Power buggy on firm level ground and set the parking brake to prevent rolling.
2. Locate the platform release handle (Figure 1A), and place the platform in the down position.
3. Using the dump lever, place the tub in the dump position. This will allow for access to fuel tank mounting screws that are located on the access door.
4. Disconnect the fuel hose from the carburetor, and drain any excess fuel from the fuel tank into a safety container.
5. Wipe the fuel bowl clean, removing all fuel. Wash fuel bowl with detergent if necessary to remove any fuel residue.

#### CAUTION

Make sure that **fuel tank** and **fuel bowl** does not contain any fuel. Remove all fuel or fuel residue.

### Existing Fuel tank Removal

1. Remove the **black knob** attached to the dump lever.
2. Cover the engine compartment underneath the fuel tank with a “**drop cloth**” (Figure 1A). This drop cloth will be used to catch the shavings as the tank is being cut.
3. Using an “Reciprocating Saw” cut the existing fuel tank as shown in Figure 1. When cutting the fuel tank it might be easier to stand on the operator’s platform.

#### CAUTION

Make sure that the **throttle** and **stop button cables** are clear and **DO NOT** interfere with the cutting of the fuel tank.

4. Remove all screws that secure the fuel tank to the buggy access door, and the left and right panels. You can keep this hardware when installing the new tank or use the hardware in the supplied kit.
5. Remove the existing fuel tank and **discard** (Figure 1B)

6. Remove the drop cloth underneath the fuel tank. Using a vacuum or blower remove any excess fuel tank shavings from the engine compartment.

### New Fuel tank Modification

1. Remove the **fuel shut-off valve** that is connected to the fuel bowl on the old fuel tank. **DO NOT** reuse rubber grommet.
2. Remove the **90-degree fitting** that is connected to the breather port on the old fuel tank. **DO NOT** reuse rubber grommet.
3. Using the two new fuel tank rubber grommets (P/N 19633), install the **fuel shut-off valve** and **90-degree fitting** onto the new fuel tank P/N 18098.

### New Fuel tank Cover Modification

1. Enlarge the four attachment holes on the fuel tank cover P/N 18103 to 7/16-inch diameter. See Figure 1D.

### Left and Right Panel Modification

1. Drill a new hole 7/16-inch in diameter in the right panel as indicated by Figure 1C. Repeat for left panel.
2. Enlarge the remaining 3 holes on each panel to 7/16-inch diameter.

### New Fuel tank Installation

1. Place the fuel tank and cover around the steering column on the Power Buggy.
2. Using the following hardware attach the fuel tank and cover to each other. **DO NOT** tighten, hand tighten only:
  - 1/4-20 x 3/4” HHC P/N 0131A
  - 1/4 Flat Washer P/N 0948
  - 1/4 Lock Washer P/N 0181B
3. Align the fuel tank and cover with the access door and both left and right panels on the Power Buggy.
4. Using the old or new supply mounting hardware secure the fuel tank and cover with the access door and both left and right panels on the Power Buggy.

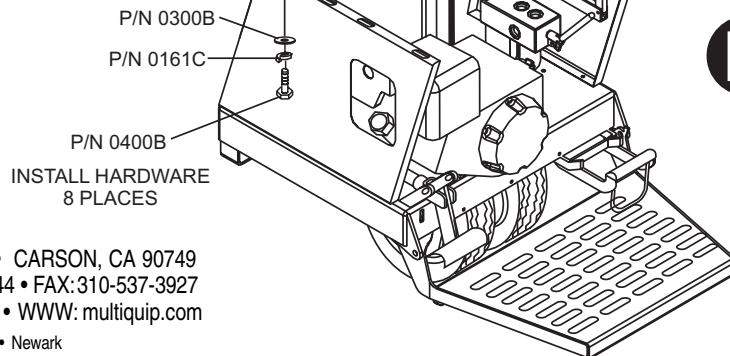
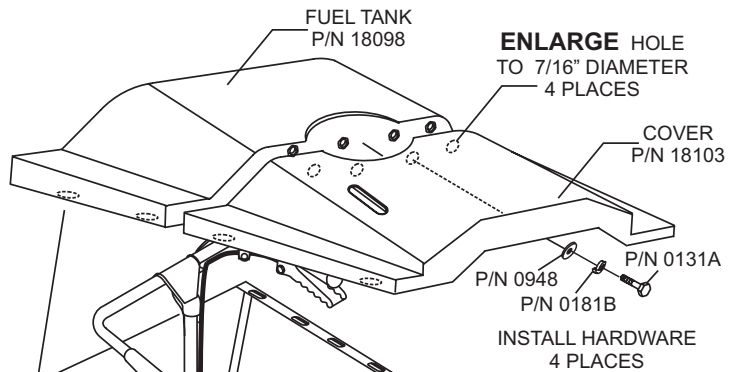
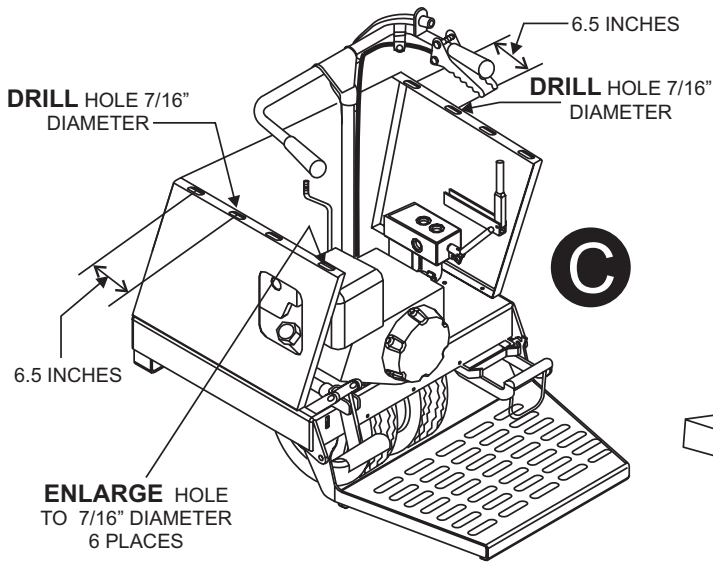
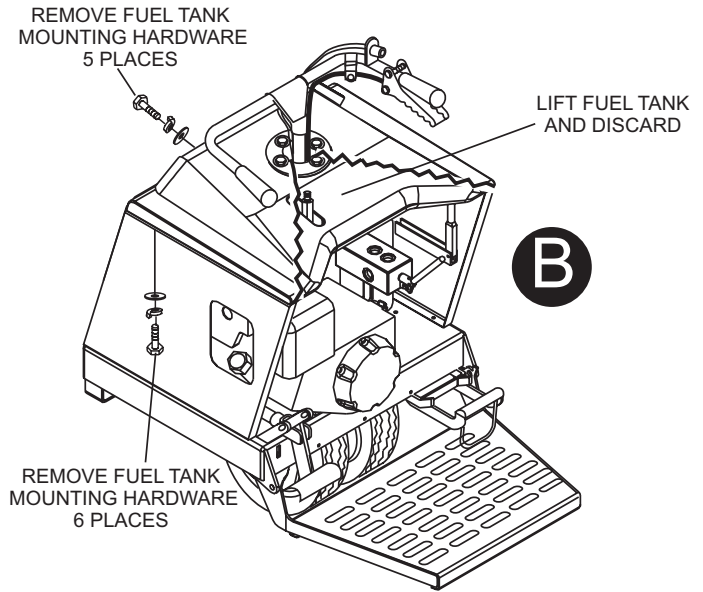
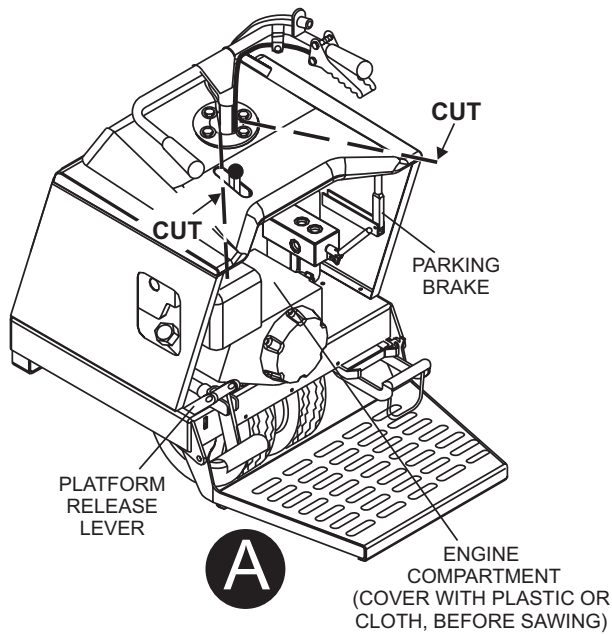
#### NOTE

Hand tighten the twelve HHC screws and associated flat washers, and lock washers before tightening fuel tank into place.

5. Re-install the **black knob** back onto the dump lever.
6. Re-connect the fuel line to the carburetor.
7. Route the breather hose to the appropriate location.
8. Grasp the dump lever and return the tub to the horizontal position.

### **Testing**

1. Pour fuel into the fuel tank.
2. Check for fuel leaks. If fuel is leaking, correct the problem immediately. Wipe up any spilled fuel immediately.
3. Start the Power Buggy as outlined in the Operation and Parts manual (Model WPB-16).



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