

April 1996

TOPIC: STEEL FUEL TANK REPLACEMENT

MODELS

AFFECTED: H1920, H2220 & H3222

Serial Nos. before: 5857, 5957 & 678 (respectively)

Customer wants/needs to replace their steel fuel tank (30790). Ferris no longer produces the steel fuel tanks used on these machines. Current production uses a plastic fuel tank with a new mount and accompanying hardware. Replace the steel fuel tank with the new plastic fuel tank. When you order the steel fuel tank (30790) you will receive the new fuel tank assembly and all necessary mounting hardware.

Installation Instructions

1. Park machine on a flat, level surface and apply parking brake.
2. Jack up right side drive tire, support securely, and remove drive tire.
3. Drain fuel from the tank by removing fuel line from the fuel pump on engine.

WARNING

Gasoline is extremely flammable. Do not perform this operation while smoking, or near open flame or spark. Work only in a well ventilated area.

4. Once tank is empty, reconnect fuel line to fuel pump.
5. Remove and discard the 3/8" bolt and coupler nut (optional) that anchors the tank beside the engine. Tip fuel tank outward and remove the hose clamp and fuel line from the bottom of the tank. Note the direction of the barb fitting in the bottom of the tank. This will be used in a later step.
6. Remove the fuel tank mount plate bolted to the back of the engine deck and discard. Save the bolts.
- .7 Completely remove fuel tank from machine. Before disposing of the old fuel tank, a few precautions must be taken.
 1. The tank must be free of gasoline and oil residues. The best way to clean would be at a car wash or another controlled waste water location.
 2. DO NOT reinstall the filler cap as this may trap explosive vapors.Once clean and dry, the tank can be disposed of as scrap metal.

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8. Depending upon the age of the machine, a set collar may be welded to the front mount where the fuel tank pivots. This must be removed for a proper fit of the new tank. By using a hacksaw and a hammer and chisel, cut the weld and chisel the set collar off using care not to bend the front mount. File/grind off any remaining weld to provide a flat surface for the new tank assembly to bolt to.

WARNING

Gasoline is extremely flammable. Make certain all gasoline containers and residues are removed from the machine and work area before performing this operation.

9. Remove and discard the grass screen. (H1920 & H2220 only)
10. Set the new fuel tank assembly onto the machine. Loosely bolt the back of the assembly in the same holes used for the fuel tank mount plate, removed in step 6, using the bolts saved from step 6.
11. Loosely bolt the front of the assembly to the pivot mount using the supplied bolt and nut. Depending upon the machine, it may be necessary to use a few washers (supplied) to fill the gap between the new tank assembly and the pivot mount.
12. Rotate the fitting/shut-off valve in the bottom of the tank to point in the same direction as the old tank. (See step 5)
13. Connect the fuel line and hose clamp to the tank.
14. Tighten all bolts and nuts.
15. Reinstall the drive tire.

NOTE: The fuel system now has two shut-off valves. Be sure both valves are open before attempting to start the machine for the first time.