



SERVICE PART
INSTALLATION AND ADJUSTMENT INSTRUCTIONS
P/N 199R9719

FUEL PRESSURE REGULATOR DIAPHRAGM

WARNING! TO PRESERVE WARRANTY, INSTRUCTIONS MUST BE READ AND FOLLOWED THOROUGHLY AND COMPLETELY, BEFORE AND DURING INSTALLATION. Holley Carburetor Division cannot and will not be responsible for any alleged or actual engine or other damage or other conditions resulting from misapplication of the service part described herein.

NOTE: The installation and removal of the fuel pressure regulator diaphragm does not require the removal of the T.B.I. unit from the engine.

WARNING! Reasonable care should be taken when rebuilding this pressure regulator. Eye protection must be worn, especially when removing and assembling the pressure regulator cover. The cover itself is spring-loaded with a heavy diaphragm spring and accidental release could cause injury.

CAUTION: To reduce the risk of fire, it is necessary to relieve fuel system pressure before removing the pressure regulator cover. To do this, remove the fuse marked "Fuel Pump" from the fuse block. Crank the engine and run until fuel supply in fuel line is exhausted. When engine stops, engage the starter for 3 seconds more to assure dissipation of any remaining pressure.

PROCEDURE:

1. Remove the screws numbered 1 & 2 (**Figure 1**) that are diagonally across from each other. Reinstall them for 3 complete turns. Carefully remove the other two screws numbered 3 & 4 (**Figure 1**) evenly to release the spring tension. Holding the cover firmly, remove the remaining screws.
2. Remove the cover, regulator spring guide, spring, and diaphragm.
3. For the ease of installation of the diaphragm, the pressure regulator adjusting screw must be turned out.
4. To gain access to the adjusting screw, place the regulator cover in a suitable holding fixture.
5. Center punch the welch plug that covers the adjusting screw.
6. Using a 1/8 drill bit, carefully drill into the plug.
7. Once a hole has been made, place an awe or pin punch into the hole and carefully pry out the plug.
8. Once the plug has been removed, use a 5/32 Allen wrench to turn out the adjusting screw so the top of the screw is flush with the top of the cover casting.
9. Before final assembly, take the four pressure regulator cover screws and clean them of old Loctite that may have collected on the threads.
10. Place the new diaphragm with paddle down (**Figure 3**) on to the T.B.I. body.
11. Place the spring and spring guide on top of the diaphragm.
12. At this time, place 1 drop of Loctite 270 onto the clean threads of the diaphragm cover hold-down screws.
13. Holding the cover firmly, place it on top of the spring assembly, press down with even pressure.
14. Using **Figure 1** as a guide, insert and start screws 1 and 2. Do not tighten, but turn the screws far enough for a snug fit.
15. Insert and turn in screws 3 and 4.
16. Torque the screws down in the sequence shown in Figure 1 to 18 in./lbs.
17. With the adjustment screw still flush with the top of the casting, turn the screw in 6 complete turns, as an initial starting point to start the vehicle.
18. Consult the additional instruction sheet to adjust the line pressure.

