

FUEL TANK SELECTOR VALVE REMOVAL AND INSTALLATION

REQUIRED TOOLS:

- Assorted Hand Tools

PRIOR TO REMOVAL

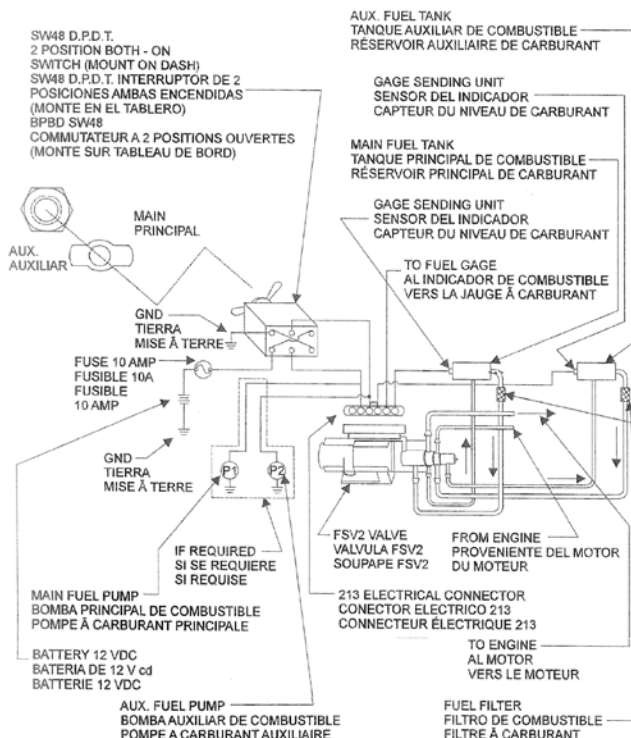
Please read the following instructions before installation.

NOTE: In order to complete the replacement of this universal fuel switching valve, Double Pole Double Throw Toggle Switch and Wells Pigtail #213 are required.

NOTE: The Selector Valve is intended for vehicles that meet the following criteria:

- Vehicle has one main and one auxiliary fuel tank
- 12 volt DC electrical system
- Vehicles with in-tank fuel pumps or vehicles with a single fuel pump between the valve and engine
- Gasoline and diesel fuel systems only
- Not for use in fuel systems operating or having the potential to develop over 65 PSI
- Not for marine applications

SELECTOR VALVE FOR TWO TANK HOOK-UP INSTALLATION INSTRUCTIONS



(Figure 1)

The electrical and fuel systems should be connected to the valve as shown (Figure 1).

1. Choose a protected location near the original fuel lines and using proper length 5/16-18 bolts, securely mount the selector valve to the chassis or other solid mounting surface.
2. Orient it such that the side of the valve with the four ports points towards the fuel tanks. Route the auxiliary tank's source and return lines to the valve.
3. Drain the fuel in the main tank and cut the original fuel lines. Be prepared to catch and safely store any fuel spilling from the cut line.
4. Using properly tightened "worm" style hose clamp and gasoline-approved flexible fuel hose, connect the fuel lines to the proper ports on the selector valve. Install fuel filters in the source lines as shown. The fuel line routing should minimize the number of bends and have the largest possible radii to minimize the flow restrictions.
5. Choose a position on the dash and mount the toggle switch, available separately.
6. Cut the original wire from the fuel tank sending unit to the fuel gauge and connect both ends to the 213 connector as shown, available separately.
7. Connect the new tank's sending unit to the connector.
8. 'Cross-wire' the toggle switch as shown connecting one pair of terminals to a good ground and the other pair of terminals to +12 volts through a 10 amp fuse.
9. Connect the middle terminals on the switch to the connector as shown. Maintain the orientation between the switch's key and the electrical connections.

NOTE: All electrical connections must be secure and the splices to the 213 connector should be secure, electrically insulated and sealed to prevent corrosion of the splices.

10. Double check the system to be sure all the electrical and fuel connections have been installed correctly.
11. Place a small quantity of fuel back into the fuel tanks to check the system for leaks. After it has been determined there are no fuel leaks, start the vehicle engine and switch the tanks to determine if the valve is functioning properly.
12. Check the gas gauge when transferring between tanks for proper fuel level indication.
13. After it has been determined everything has been installed properly, refill the fuel tanks.

VALVE OPERATION

- With +12 VDC to terminal E and ground to D, the fuel will flow from the main fuel tank through the filter, through the valve, to the engine and return back through the valve to the main fuel tank.
- Reversing the polarity to terminals E and D will cause the fuel to flow from the auxiliary fuel tank through the filter, through the valve, to the engine and return back through the valve to the auxiliary fuel tank.

NOTE: All wiring to be 18 GA. or heavier. All fuel supply lines to be 3/8 I.D. All fuel return lines to be 5/16 I.D.