

# INSTRUCTIONS & INFORMATION



## FUEL SOLENOID UPDATE KIT

Models 1822D & 718D prior to Serial Number 291827.  
To convert two wire fuel solenoid to three wire fuel solenoid.

### Kit Number 503278

1. Remove right fender. Disconnect battery ground cable to prevent accidental shorting during installation. Lay out parts and check against parts list in figure 3.
2. Remove and discard return spring attached to top control arm on injection pump. The new return spring is under the boot of the new fuel solenoid.
3. Disconnect the cable ball joint from the top arm (item 11, fig. 1). Disconnect the throttle cable from the bottom arm.
4. Remove the four mounting bolts (item 3, fig. 1) and break loose the cover (item 1, fig. 1).
5. Lift the assembly gently so not to stretch the spring inside. Using a needle nose pliers, unhook the spring from the lever (item 5, fig. 1).
6. Drive out the roll pin (item 12, fig. 1) and remove the top arm. Remove and discard shaft (item 10, fig 1).
7. Apply a coating of grease to the new shaft with this kit and reassemble with top arm and new roll pin. Hook up spring to lever (item 5, fig. 1) and reinstall assembly on engine using new gasket provided.
8. Remove old solenoid and mount new solenoid. Install gray tube over fuel solenoid cable. Adjust linkage as outlined in operators manual. Make sure solenoid bottoms out before arm on injection pump hits its stop. There should be 1/16" clearance between the arm and its stop when the fuel solenoid is held in its full "in" position.
9. Drill two 1/4" holes and mount the module (see fig. 2) under the seat on the open area to the right of the instrument console. Use (2) 10-24X.75 machine screws, nuts and locks provided.
10. Cut off end of brown wire removed from old solenoid and reroute wire so that it runs from the seat switch to the module following the wires under the right fender. Splice this wire into the connector on the brown wire coming from the #1 post on the module.
11. Cut off end of green ground wire removed from old solenoid and install male terminal, provided with kit, on end of wire. Insert green wire into blank hole on three wire plug to fuel solenoid.
12. Route black fuse wire from solenoid plug over the top of the engine and install the eyelet on the bottom post of the starter solenoid. Torque the terminal nut to 8 ft-lbs. This is the post that is hot only when the starter is cranking. **DO NOT** attach this wire to the top post with the battery cable. Secure wire to the vent hose on the valve cover with plastic wire ties.
13. Route white wire from the solenoid plug down the right side of the engine and along the wiring harness under right fender to the module. Insert end of white wire into blank hole in 4-way