

# INGRAM ENTERPRISES INC

## FUEL INJECTION SPECIALISTS

15613 Peterson Road, Bldg C, Burlington, WA 98233

### Replacing And Adjusting the Thermostatic Actuator

- 1) With cold engine, remove the air box, crack radiator cap to remove pressure, re-tighten.
- 2) Remove 2 mid-clamp fasteners securing the TA to manifold. (Vertical bracket)
- 3) Remove 2 slotted screws securing TA to pump body.
- 4) Lay rags under manifold, remove 2 4-mm nuts on manifold, pull TA out slightly.
- 5) With O ring in place on new TA, remove old TA and insert new one.  
**NOTE:** Do not attach mid-clamp (see item 13)  
**NOTE:** Do not use a dummy TA.
- 6) Turn screw "B" inside the pump clockwise carefully until it bottoms. Back it out about 2 turns. This is your initial setting.
- 7) Install TA in pump body, set screws firmly but do not over tighten. Depending on the temperature, gap "C" should be large, approximately 1/4 to 3/8 inch at room temperature.
- 8) Add coolant if needed, start engine, warm to 180 degrees, shut off engine.
- 9) Remove long rod at relay crank. Gap "C" should be .019 inch or less but not zero.
- 10) Remove TA at pump as necessary to obtain correct gap, "C". Turn screw "B" clockwise to increase gap. Turn counterclockwise to decrease gap.
- 11) Restart engine, warm to 180 degrees.
- 12) With correct gap "C" adjust long rod as needed without disturbing gap when snapped on to relay crank.
- 13) Attach mid-clamp screws  
A = 3/16 inch or 4.5 mm at room temperature  
B = compensating screw inside pump body  
C = 0.19 inch (engine temp 180 degrees)

