

REPLACING AND ADJUSTING THE THERMOSTATIC ACTUATOR

- 1) With cold engine, remove air box, crack radiator cap to remove pressure, re-tighten.
- 2) Remove (2) mid-clamp fasteners securing 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 unless you test the new TA and know the exact hot extension.

- 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, approx 3/8 to 1/2 in.
- 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 in 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. Use shim (provided) if gap is too small.
- 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 = 22 to 24 mm cold.

B = compensating screw inside pump body.

