GROUP 9 — HEATING AND COOLING

LIQUID LEVEL SENSOR

GENERAL DESCRIPTION

Checker Motors has incorporated a Liquid Level Sensor system on the 1979 vehicles. The system is designed to warn the driver when the coolant level is low in the radiator. The system consists of an indicator light assembly mounted on the dash left of the steering column, a sensor switch installed in the radiator on the top tank, Figure 1, and electrical wiring incorporated in the engine and dash wiring harnesses.

When the coolant level in the radiator is normal, the indicator light will be "off" when the ignition switch is in "on" or "off" positions. When the coolant level in the radiator is low, the indicator light will be "on" when the ignition switch is in "on" position.

NOTE: There will be a slight flashing of the indicator light when the ignition switch is turned to "on" position but will remain off if coolant level is normal. If the light remains on, check for low coolant level or malfunction in the sensor system.

SENSOR LIGHT ASSEMBLY REMOVAL AND INSTALLATION

1. Disconnect wire connector from sensor light assembly.
2. Remove two mounting screws and remove light assembly.
3. Reverse removal procedure to install new light assembly.
   NOTE: Light assembly is serviced as a complete unit. No repairs are recommended.

SENSOR SWITCH REMOVAL AND INSTALLATION

1. Drain coolant from radiator below sensor switch.
2. Disconnect wire lead from sensor.
3. Remove switch from radiator.
4. Reverse removal procedure to install new switch.
5. Refill radiator with coolant.

TROUBLE SHOOTING

The following information will help to diagnose most or any problem that might occur in the Liquid Level Sensor System.

1. The connector at the sensor light assembly has *three wires.*
   A. Pink wire is power when the ignition switch is in "on" position. It is part of the backup light circuit.
   B. White wire is ground.
   C. Yellow wire is the sensor switch lead.
2. When the sensor light is off, the yellow wire is grounded.
3. When the sensor light is on, the yellow wire is open.
   NOTE: Before trouble shooting a problem in the Liquid Level Sensor system, be sure low coolant level isn't the problem.

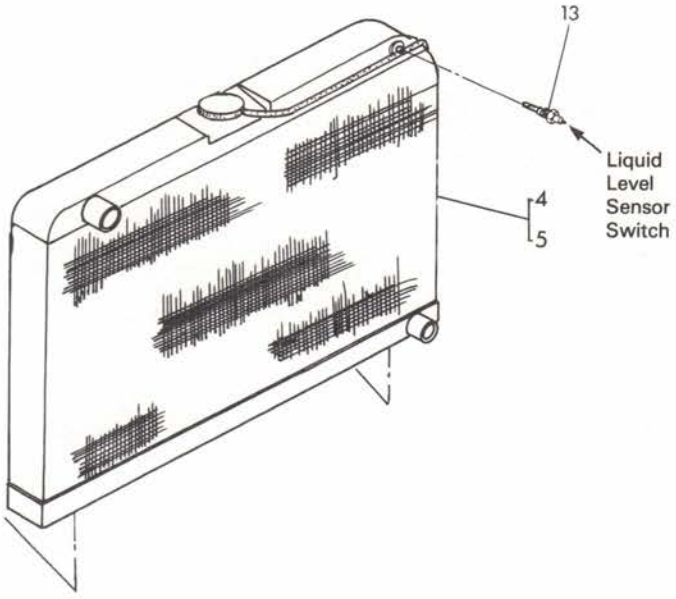

FIGURE 1—Radiator Assembly