

1973-74 CHRYSLER CORP. ELECTRIC ASSIST CHOKE

DESCRIPTION

The electric assist choke is designed to give faster choke openings at temperatures above 63°F, and slower choke openings below 63°F. It is used on all automatic choke carburetors. System consists of two components, a choke heater element and a temperature control switch.

OPERATION

When ignition switch is turned "ON", power is supplied to temperature control switch. Temperature control switch senses engine temperature and will open or close switch contacts, thereby controlling electric current to choke heater element. Above 63°F control switch will energize choke heater for a period of time then turn heater off. Shut-down of control switch occurs when switch temperature reaches 110°F. **NOTE** — Since heater control switch is mounted on engine near carburetor, some winter operation may energize choke heater when choke valve has already opened. No adverse effect will occur and it will again turn off after a period of time.

TESTING

Choke Control Switch — 1) Before starting remove both electrical connectors from switch.

2) Connect a test light to load (small) terminal of switch and to ground.

3) Start engine and allow it to reach normal operating temperature.

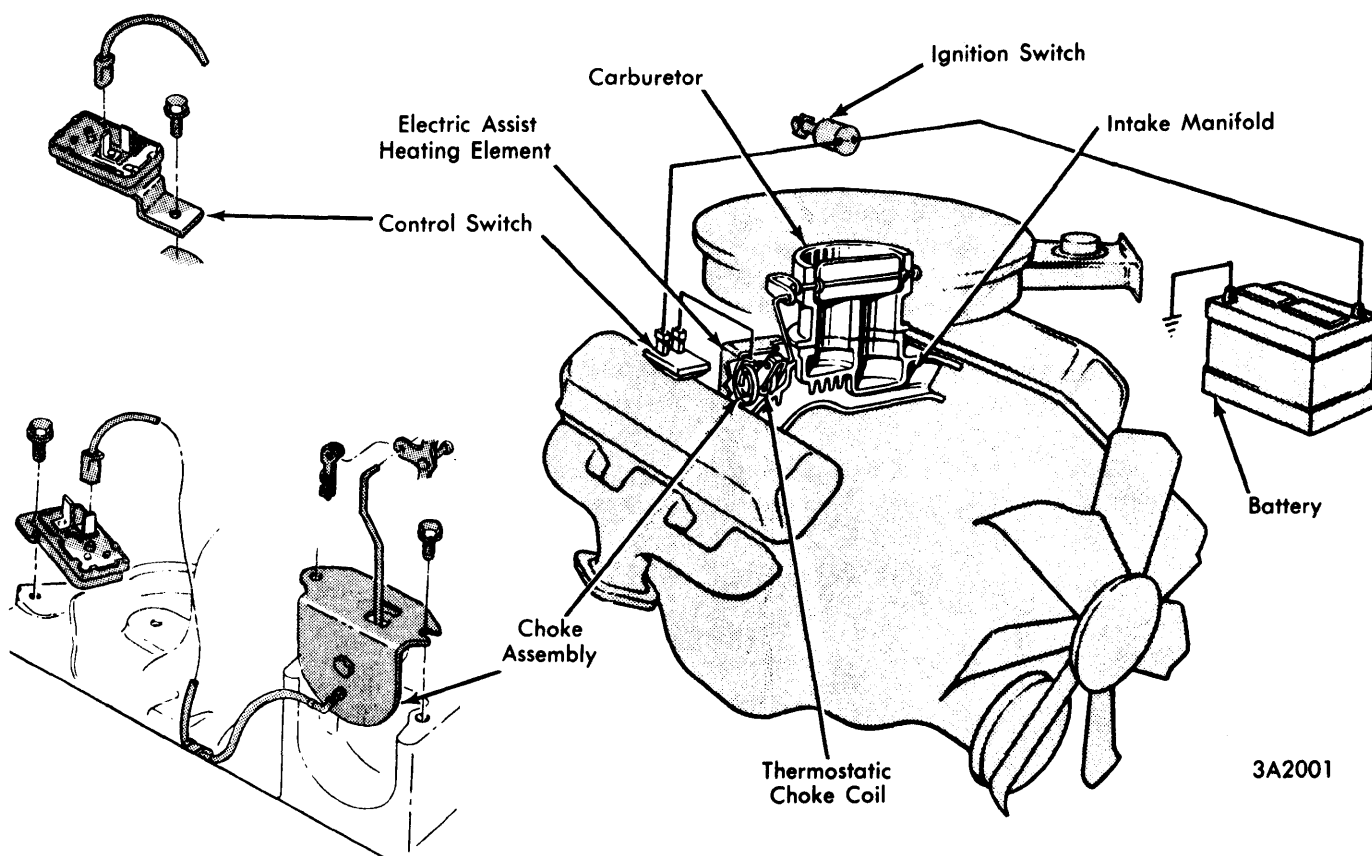
4) Then apply 12 volts to battery terminal of switch. Test light should light, it may light for only a few seconds or it may remain lit for a longer duration of time, but must not remain lit for more than five minutes. If the above does not occur, control switch is defective and must be replaced.

Choke Heater Element — 1) Disconnect electric heating element wire at control switch.

2) Connect an ohmmeter to lead at crimped end of this wire at choke end. **NOTE** — Do not connect to steel heater casing.

3) Hold other ohmmeter lead against choke housing or manifold.

4) Resistance of four to six ohms is normal. Meter readings indicating an open or a short circuit, replace choke heater. **NOTE** — Heater element must not be immersed in any fluid, as an electrical short to choke heater is also a short circuit to ignition system.



ELECTRIC ASSIST CHOKE SYSTEM (TYPICAL)