

# 1974-79 EXHAUST EMISSION SYSTEMS

## Jensen-Healey Electric Assist Choke

### 1974 Interceptor

#### DESCRIPTION

The Electric Assist Choke is designed to give faster choke openings at temperatures above 60°F (16°C), and slower choke openings below 60°F (16°C). System consists of a choke heater element and a temperature control switch.

#### OPERATION

When ignition 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. Below 58°F (14°C), control switch will provide choke heater with partial electrical current. Above 58°F (14°C), switch will provide choke heater with full electrical current. At approximately 110°F (43°C), switch will turn electrical current off.

#### TESTING

##### CHOKE CONTROL SWITCH

1) Check test lamp by connecting it between battery terminals and note intensity of bulb. Before starting engine, remove "BAT" electrical

connector from control switch. Connect test light to load (small) terminal of control switch and to ground. See Fig. 1.

2) Start engine and allow it to reach normal operating temperature. Apply 12 volts to "BAT" terminal of control switch. Test lamp must have same intensity as in step 1).

3) If intensity is lower, switch is defective and must be replaced. Test lamp may remain lit for only a few seconds but must not remain lit for longer than 5 minutes. If lamp remains lit longer than 5 minutes, control switch is defective and must be replaced.

##### CHOKE HEATER ELEMENT

Disconnect "BAT" wire at control switch. Connect an ohmmeter lead to choke housing or choke retainer screw. Touch other lead to a bare portion of choke wire connector at switch (not "BAT" terminal). A reading of 4-6 ohms indicates heater is electrically functional. If an open or short circuit is indicated, install a new choke assembly.

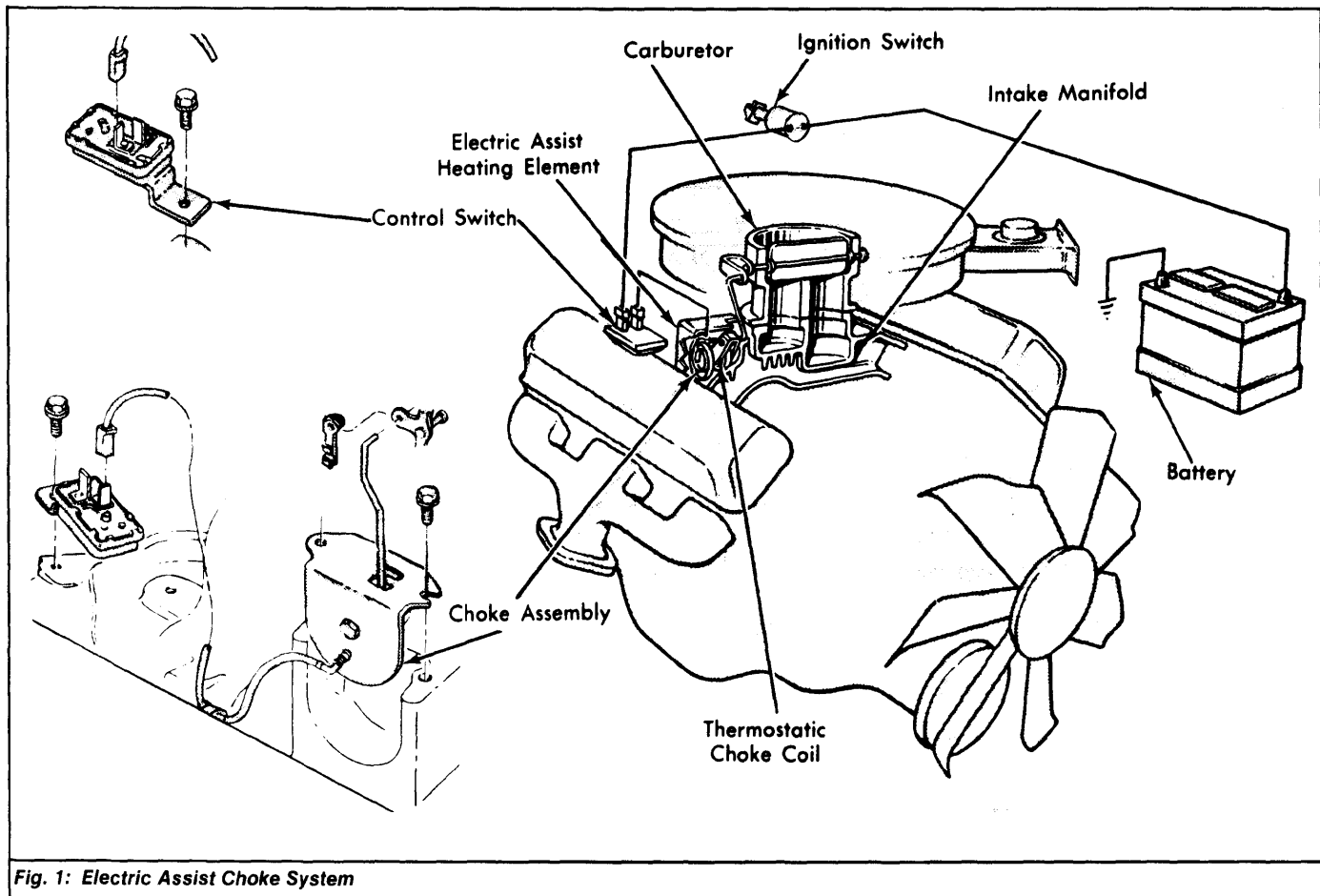


Fig. 1: Electric Assist Choke System