

# Exhaust Emission Systems

## 1972-73 FORD MOTOR CO. STAGED CHOKE PULLDOWN

### DESCRIPTION

The Staged Choke Pulldown, used on some models, is designed to more accurately match fuel requirements to engine demands at all conditions when choking is needed. The pulldown is a vacuum controlled unit consisting of two systems: 1) A temperature controlled valve composed of a "snap" bi-metal and an "O" ring valve; 2) A time delay system composed of two diaphragms forming a silicon-filled chamber which must pass through an orifice when the diaphragm moves.

### OPERATION

At temperatures above approximately 60°F, valve opens, allowing vacuum to pull the choke plate almost verticle (open) in approximately 15-60 seconds after engine start. At high

temperatures this allows a shorter choking period for more satisfactory choke and carburetor operations. At low temperatures, the temperature sensitive valve closes to prevent excessively rapid choke openings.

### TESTING

Disconnect choke arm from pulldown and start engine. If pulldown arm pulls inward at temperature and time period described, pulldown is operating correctly. If arm does not draw inward as specified, check hose and connection. If these are in good condition pulldown is defective and should be replaced.

