CHRYSLER CORP. IMPORTS THROTTLE OPENER SYSTEM

Arrow Pickup
Challenger
Champ
Colt
Ram-50 Pickup
Sapporo

DESCRIPTION

The throttle opener system consists of a throttle opener assembly, a solenoid valve, an engine speed sensor and an air conditioning compressor switch. The engine speed sensor is also used in the air switching valve system. When this sensor detects engine speed at or below specified value, the air switching system does not operate. When engine speed is above specified value, the air switching system works as designed.

OPERATION

Compressor Switch "ON" – When the engine speed sensor detects the engine speed at or below the specified value, the solenoid valve is opened so as to transfer the intake manifold vacuum to the throttle opener. The throttle valve is slightly opened by the throttle opener and opener lever which is freely movable on the throttle valve shaft. The engine will then run at a speed resulting from setting off the new throttle valve opening against the compressor's load.

Compressor Switch "OFF" – The throttle opener system stops working and the engine runs at the original idling speed.

ADJUSTMENTS

THROTTLE OPENER OPERATING SPEED

1) Connect tachometer to engine and warm engine to normal operating temperature. Set engine idle speed to specifications. Turn air conditioner and accessories off. On front-wheel drive models, disconnect engine cooling fan.

2) Activate throttle opener (air conditioning "ON") and adjust throttle opener speed to specified RPM shown in table by turning throttle opener adjusting screw. *See Fig. 1.*

3) With throttle opener speed set to specifications, turn air conditioner "OFF" and recheck idle speed. Normal engine idle speed should not be affected when throttle opener is not activated.

Throttle Opener Specifications

Application	Operating Speed (RPM)
1400 cc Engine	1050-1150
1600 cc Engine	
Man. Trans.	1050-1150
Auto. Trans.	1100-1200
2000 cc Engine	950-1050
2600 cc Engine	1000-1100

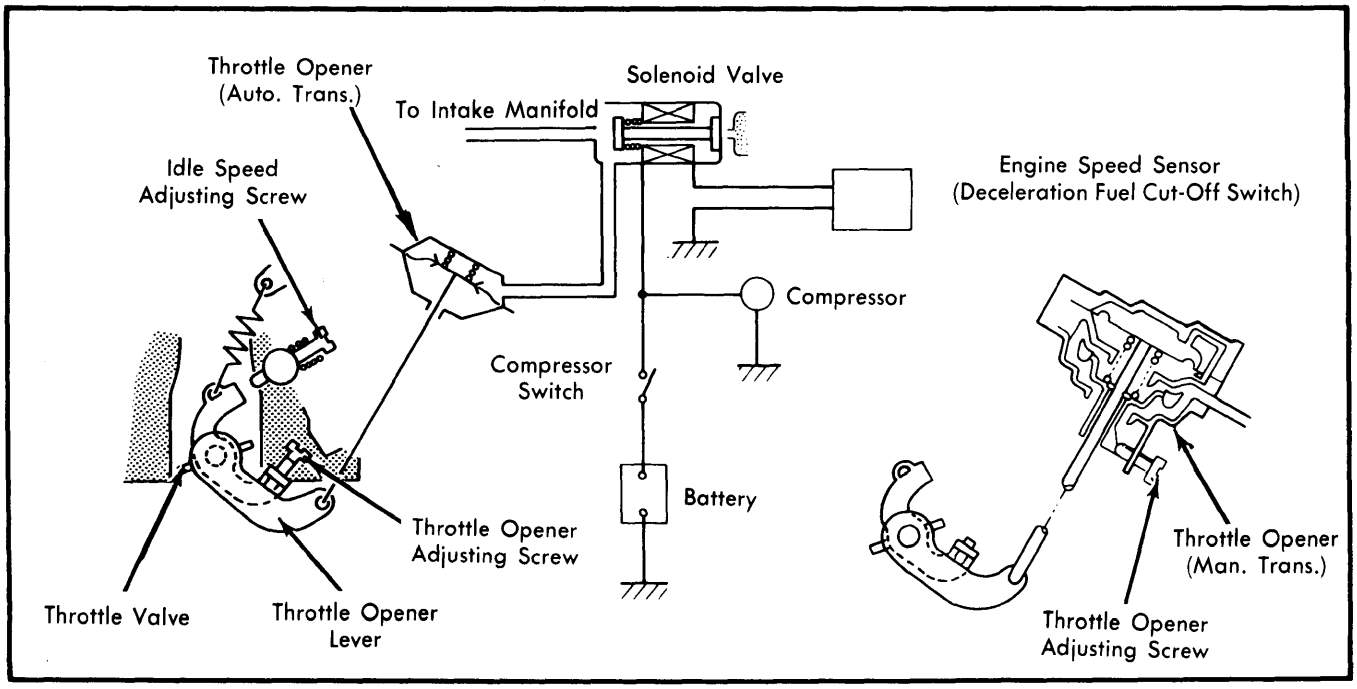

Fig. 1 Throttle Opener System