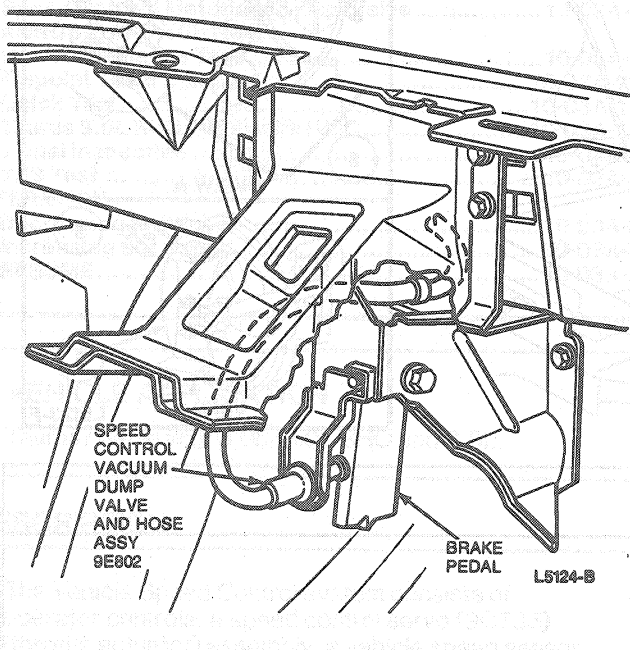


## DESCRIPTION (Continued)

**Speed Control Metering (Dump) Valve**

The speed control metering (dump) valve provides an additional redundant safety feature in the system. Normally, when the brake pedal is depressed, an electrical signal from the stoplamps to the speed control amplifier will turn off the system. In addition, the speed control metering (dump) valve will mechanically release the vacuum in the speed control servo when the brake pedal is depressed. This releases the throttle independently of the speed control amplifier control.

**Decreasing Set Speed**

The vehicle speed may be reduced by applying the brake or clutch pedal and then resetting the speed using the foregoing method or by depressing and holding the COAST switch. When the vehicle has slowed to the desired speed, the COAST switch is released and the new speed is set automatically. If the vehicle speed is reduced below 48 km/h (30 mph), the driver must manually increase the speed and reset the system.

**Increasing Set Speed**

The vehicle set speed may be manually increased at any time by depressing the accelerator until the higher speed is reached and stabilized, then depressing and releasing the SET ACCEL button.

Speed may also be increased by depressing the SET ACCEL switch button, at speeds over 48 km/h (30 mph), and holding it in that position. The vehicle will then automatically increase speed. When the desired rate of speed is attained and the button is released, that new set speed will be maintained.

**RESUME**

When the speed control system is deactivated by depressing the brake or clutch pedal, the set speed prior to deactivation may be re-established by momentarily (hold for one or two seconds) depressing the RESUME switch. The RESUME switch is hinged on the side closest to the SET ACCEL switch. Therefore, it should be depressed on the side farthest from the SET ACCEL switch. The resume feature will not function if the system is deactivated with the OFF switch, or if the vehicle speed has been reduced to below 48 km/h (30 mph). In addition, when the ignition switch is turned off, the speed control memory is erased and the resume feature will not function.

## OPERATION

**System Activation**

To operate the speed control system, the engine must be running and the vehicle speed must be greater than 48 km/h (30 mph). Under these conditions, the system is ready to accept a set speed signal. The driver must depress and release the ON switch in the steering wheel, and then the driver must depress and release the SET ACCEL switch. This will result in the current speed being maintained until a new speed is set by the driver, the brake pedal is depressed, the clutch pedal is depressed or the OFF switch is depressed.

## DIAGNOSIS AND TESTING

**Visual Inspection**

Visual inspection is an important part of system diagnosis and should be performed before undertaking any of the following diagnostic procedures.

When performing a visual inspection, check all items for abnormal conditions such as bare, broken or disconnected wires and damaged vacuum hoses. For the speed control system to function properly, it is necessary that the speedometer cable, if so equipped, be properly routed and securely attached. All vacuum hoses must be securely attached and routed with no sharp bends or kinks. The speed control servo (throttle actuator) and throttle linkage should operate freely and smoothly.