

## EXHAUST EMISSION SYSTEMS

## 1989 EXHAUST EMISSION SYSTEMS Jeep - Vacuum Diagrams

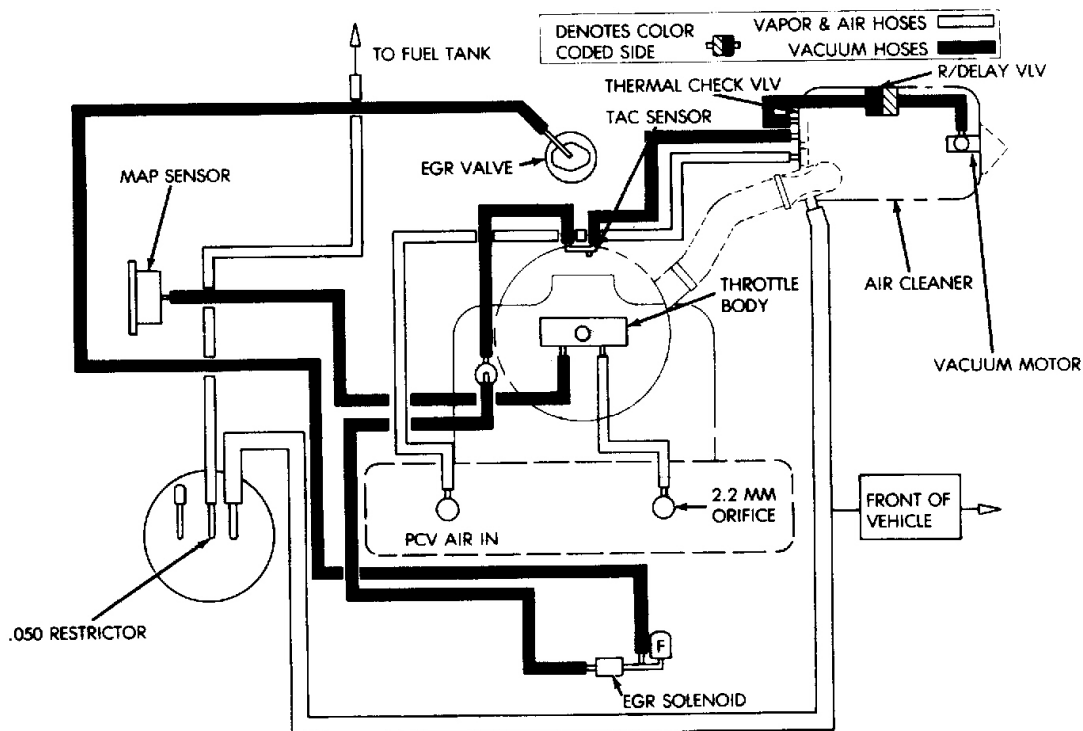
## IDENTIFICATION

## VACUUM DIAGRAM ABBREVIATIONS

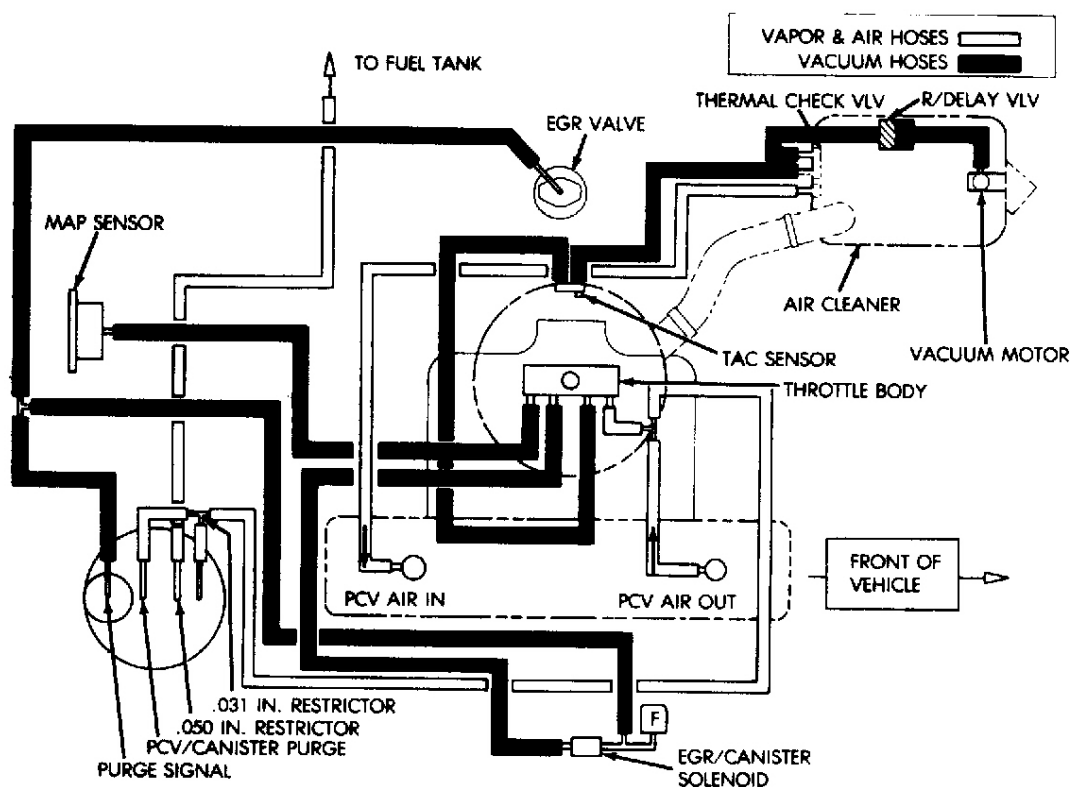
## VACUUM DIAGRAM ABBREVIATIONS

Abbreviation	Component
CTO	Coolant Temperature Override
EGR	Exhaust Gas Recirculation
HDC CTO	Heavy Duty Cooling, Coolant Temperature Override
PCV	Positive Crankcase Ventilation
TAC	Thermostatic Air Cleaner
VSD	Vacuum Signal Dump

## VACUUM DIAGRAMS

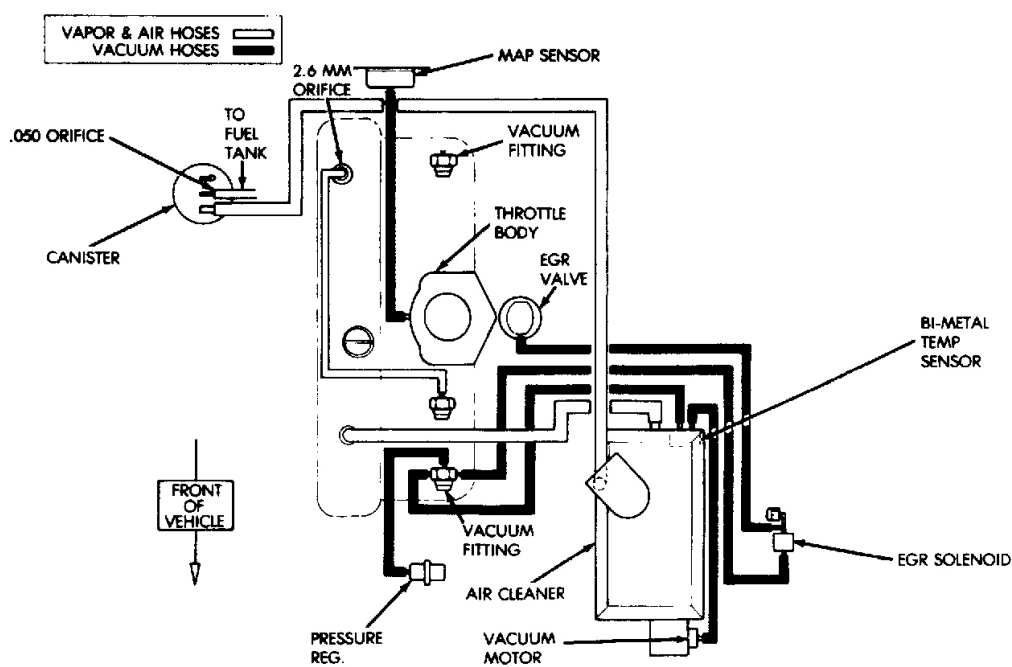


**Fig. 1: Vacuum Diagram (2.5L 4-Cylinder - Cherokee, Comanche & Wagoneer)**  
 Courtesy of CHRYSLER MOTORS.



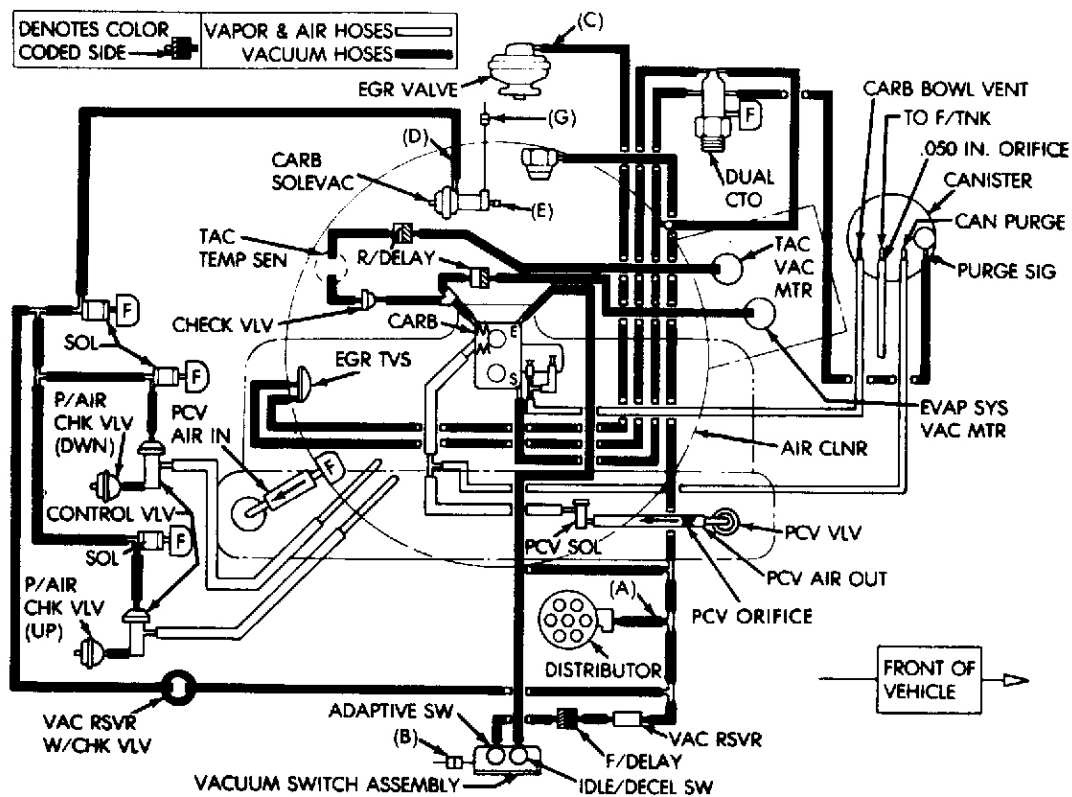
**Fig. 2: Vacuum Diagram (2.5L 4-Cylinder - Wrangler)**

Courtesy of CHRYSLER MOTORS.



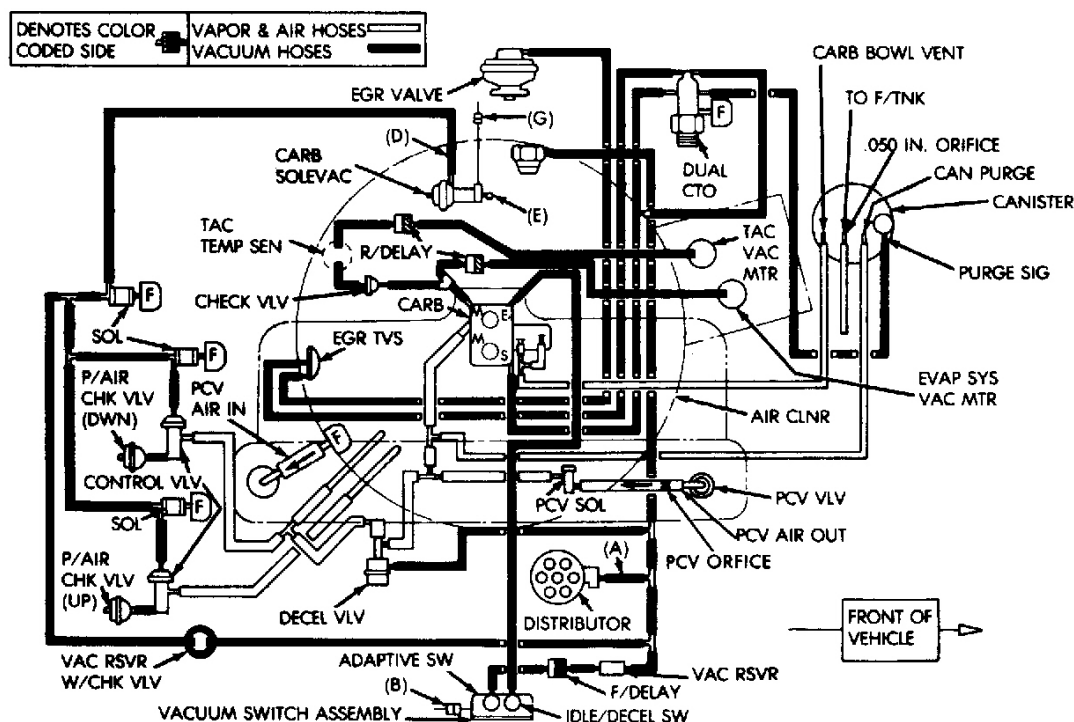
**Fig. 3: Vacuum Diagram (4.0L 6-Cylinder - Cherokee, Comanche & Wagoneer)**

Courtesy of CHRYSLER MOTORS.



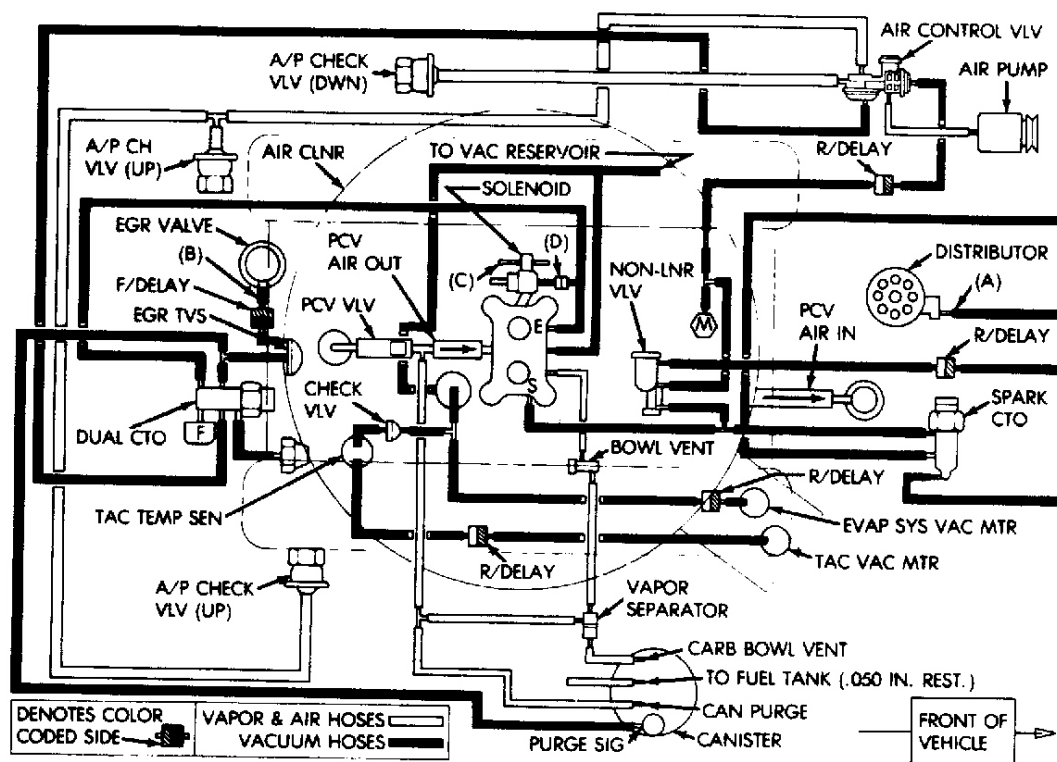
**Fig. 4: Vacuum Diagram (4.2L 6-Cylinder - Wrangler W/Auto. Trans.)**

Courtesy of CHRYSLER MOTORS.



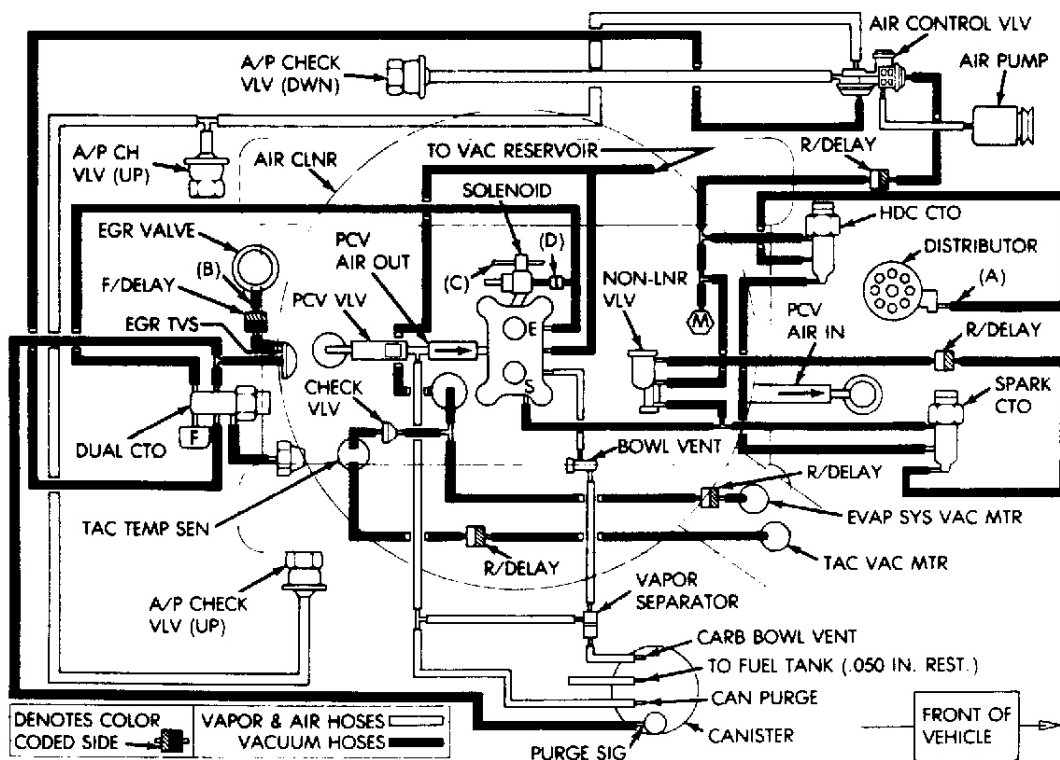
**Fig. 5: Vacuum Diagram (4.2L 6-Cylinder - Wrangler W/Man. Trans.)**

Courtesy of CHRYSLER MOTORS.



**Fig. 6: Vacuum Diagram (5.9L V8 - Grand Wagoneer W/Standard Cooling System)**

Courtesy of CHRYSLER MOTORS.

**Fig. 7: Vacuum Diagram (5.9L V8 - Grand Wagoneer W/Heavy Duty Cooling System)**

Courtesy of CHRYSLER MOTORS.

## 1989 Jeep Wrangler

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