

1981 FORD (Cont.)

Engines	Emission Control Systems & Devices	Remarks
1981 Ford (Cont.) Light Duty Emissions (Cont.) 6.6L (400") V8	AIR, AIR-BPV, A/CL-BM, A/CL-DV, BV, CAT, EAC, EGR, FVEC, PCV, PG-CV, SV-CBV [Ⓞ] , TAC, TVS, VCV, V-RST	① - California models only. ② - Federal models only. ③ - Manual transmission only. ④ - Automatic transmission only. ⑤ - Some models only. ⑥ - A/C models only.
Heavy Duty Emissions 4.9L (300") 6-Cyl.	AIR, AIR-BPV, A/CL-BM, A/CL-DV, PCV, SA-FV, Sol-V, TAC, YCV, VOTM, V-RSR, VVA	
5.8L (351") "M" V8	AIR, AIR-BPV, A/CL-BM, A/CL-DV, EGR, FVEC [Ⓞ] , LCV, PCV, SA-FV, Sol-V, TAC, TK, VCV, VDV, VRDV, V-RSR, VVA	
5.8L (351") "W" V8	AIR, AIR-BPV, A/CL-BM, A/CL-CWM, A/CL-DV, EGR, LCV, PCV, SA-FV, Sol-V, TAC, VCV, VDV, VOTM, VRDV, V-RSR, VVA	
6.6L (400") V8	AIR, AIR-BPV, A/CL-BM, A/CL-DV, EGR, LCV, PCV, SA-FV, Sol-V, TAC, TK, VCV, VDV, VRDV, V-RSR, VVA	
7.5L (460") V8	AIR, AIR-BPV, A/CL-BM, A/CL-DV, EGR, PCV, Sol-V, TAC, TK, VCV, VDV, V-RSR, VVA	

Light Duty Emissions: Are vehicles up to 8500 GVW. **Heavy Duty Emissions:** Are vehicles over 8500 GVW.

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| <p>AIR - Air Injection System
 AIR-BPV - Air-Bypass Valve
 A/CL-BM - Air Cleaner Bi-Metal Sensor
 A/CL-CWM - Air Cleaner Cold Weather Modulator
 A/CL-DV - Air Cleaner Duct Valve Vacuum Motor
 BV - Bowl Vent Port
 CAT - Catalytic Converter
 DV-TW - Delay Valve-Two Way
 EAC - Electric Assist Choke
 EGR - Exhaust Gas Recirculation
 FVEC - Fuel Vapor Emission Control</p> | <p>HIC - Hot Idle Compensator
 IVV - Idle Vacuum Valve
 LCV - Load Control Valve
 PCV - Positive Crankcase Ventilation
 PG-CV - Purge Control Valve
 SA-FV - Separator Assembly - Fuel/Vacuum
 Sol-V - Solenoid Valve
 SV-CBV - Solenoid Valve - Carb. Bowl Vent
 TK - Thermostatic Air Cleaner
 TK - Throttle Kicker
 TV-RST - Hose Tee Vacuum Restrictor</p> | <p>TVS - Thermal Vacuum Switch
 TVV - Thermal Vent Valve
 V-CkV - Vacuum Check Valve
 VCV - Vacuum Control Valve
 VDV - Vacuum Delay Valve
 VOTM - Vacuum Operated Throttle Modulator
 VRDV - Vacuum Retard Delay Valve
 V-RSR - Vacuum Reservoir
 V-RST - Vacuum Restrictor
 VVA - Venturi Vacuum Amplifier (EGR-VVA)</p> |
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1981 GENERAL MOTORS

Engines	Emission Control Systems & Devices	Remarks
1981 GM Light Duty Emissions 4.1L (250") 6-Cyl.	A/CL, A.I.R. [Ⓞ] , CAT, DC-VLV [Ⓞ] , DCP-TVS, DLCK-VLV, DVTR-VLV [Ⓞ] , EFE, EFE-TVS, EGR, EGR-TVS, PCV, SVBrk, SRDD-VLV, TrC-TVS, TrC-VS, VBrk, VR-VLV	① - Except Federal models with auto. trans. ② - Used on some models. ③ - Used with A.I.R. only.
5.0L (305") V8	A/CL, A.I.R. [Ⓞ] , CAT, CkDL-VLV, DC-VLV, DDL-VLV, DVTR-VLV [Ⓞ] , EFE, EFE-TVS, EGR, EGR-TVS, PCV, SVBrk, TrC-VS, VBrk	

Light Duty Emissions: Are vehicles up to 8500 GVW. **Heavy Duty Emissions:** Are vehicles over 8500 GVW.

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| <p>A/CL - Air Cleaner
 A.I.R. - Air Injection Reactor
 APD-VLV - Air Pump Diverter Valve
 CAT - Catalytic Converter
 CkDL-VLV - Check Delay Valve
 Ck-VLV - Check Valve
 DCP-TVS - Distributor and Canister Purge Thermal Vacuum Switch
 DC-VLV - Deceleration Valve
 DDL-VLV - Distributor Delay Valve
 DLCK-VLV - Delay Check Valve
 DVTR-VLV - Diverter Valve</p> | <p>EFE - Early Fuel Evaporation
 EFE-TVS - Early Fuel Evaporation Thermal Vacuum Switch
 EGR - Exhaust Gas Recirculation
 EGR-TVS - Exhaust Gas Recirculation Thermal Vacuum Switch
 PCV - Positive Crankcase Ventilation
 SVBrk - Secondary Vacuum Break Actuator
 SRD-VLV - Spark Retard Delay Valve
 SP-TVS - Spark Thermal Vacuum Switch
 TIA - Throttle Lever Actuator</p> | <p>TrC-TVS - Transmission Lock-up Converter Thermal Vacuum Switch
 TrC-VS - Transmission Lock-up Converter Vacuum Switch
 TRC-SOL-CVLV - Throttle Return Control Solenoid - Control Valve
 TRC-TLA - Throttle Return Control - Throttle Lever Actuator
 TRC-VLV - Throttle Return Control - Valve
 TVS - Thermal Vacuum Switch
 VBrk - Vacuum Break Actuator
 VR-VLV - Vacuum Regulator Valve</p> |
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1981 Emission Control Application

1981 GENERAL MOTORS (Cont.)

Engines	Emission Control Systems & Devices	Remarks
1981 GM (Cont.) Light Duty Emissions (Cont.) 5.7L (350") V8	A/CL, A.I.R.Ⓢ, CAT, CkDL-VLV, CkVLV, DDL-VLV, DC-VLV, DVTR-VLVⓈ, EFE, EFE-TVS, EGR, EGR-TVS, PCV, SVBrk, SP-TVS, TLA, TrC-VS, TRC-VLV, TVS, VBrk	① - Except Federal models with auto. trans. ② - Used on some models. ③ - Used with A.I.R. only.
Heavy Duty Emissions 4.8L (292") 6-Cyl.	A/CL, A.I.R., APD-VLV, CAT, DL-VLV, PCV, TLA, TRC-VLV	
5.0L (305") V8	A/CL, A.I.R.Ⓢ, Ck-VLV, DDL-VLV, DLTR-VLV, DLCK-VLV, EFE, EFE-TVS, EGR, EGR-TVS, TrC-VS	
5.7L (350") V8	A/CL, A.I.R.Ⓢ, Ck-VLV, DVTR-VLV, EFE, EFE-TVS, PCV, SP-TVS, SVBrk, TLA, TRC-VLV, TRC-SOL-CVLV, TVS, VDL-VLV	
7.4L (454") V8	A/CL, A.I.R., Ck-VLV, DVTR-VLV, EFE, EFE-TVS, PCV, SVBrk, SP-TVS, TRC-SOL-CVLV, TRC-TLA, TVS	

Light Duty Emissions: Are vehicles up to 8500 GVW. **Heavy Duty Emissions:** Are vehicles over 8500 GVW.

A/CL - Air Cleaner
A.I.R. - Air Injection Reactor
APD-VLV - Air Pump Diverter Valve
CAT - Catalytic Converter
CkDL-VLV - Check Delay Valve
Ck-VLV - Check Valve
DCP-TVS - Distributor and Canister Purge Thermal Vacuum Switch
DC-VLV - Deceleration Valve
DDL-VLV - Distributor Delay Valve
DLCK-VLV - Delay Check Valve
DVTR-VLV - Diverter Valve
EFE - Early Fuel Evaporation

EFE-TVS - Early Fuel Evaporation Thermal Vacuum Switch
EGR - Exhaust Gas Recirculation
EGR-TVS - Exhaust Gas Recirculation Thermal Vacuum Switch
PCV - Positive Crankcase Ventilation
SVBrk - Secondary Vacuum Break Actuator
SRD-VLV - Spark Retard Delay Valve
SP-TVS - Spark Thermal Vacuum Switch
TLA - Throttle Lever Actuator
TrC-TVS - Transmission Lock-up Converter Thermal Vacuum Switch

TrC-VS - Transmission Lock-up Converter Vacuum Switch
TRC-SOL-CVLV - Throttle Return Control Solenoid - Control Valve
TRC-TLA - Throttle Return Control - Throttle Lever Actuator
TRC-VLV - Throttle Return Control - Valve
TVS - Thermal Vacuum Switch
VBrk - Vacuum Break Actuator
VR-VLV - Vacuum Regulator Valve

1981 JEEP

Engines	Emission Control Systems & Devices	Remarks
1981 Jeep 2.5L (151") 4-Cyl.	CAT, C-4Ⓢ, Decel-VⓈ, EGR, EGR-CTO, EGR-TVS, HDSP-CTOⓈ, MCUⓈ, PCV, RDV, SP-CTO, TSD, VSAⓈ	① - California only. ② - Federal only. ③ - Heavy Duty. ④ - Some Models. ⑤ - J-10 Manual transmission. ⑥ - Automatic transmission.
4.2L (258") 6-Cyl.	A.I.R., ASVⓈ, BPV, CAT, CECⓈ, CTO, Decel-V, DLVⓈ, DVTRV, EGR, EGR-CTO, EGR-TVS, FDV, HDC-CTOⓈ, MCUⓈ, NLRVⓈ, PCV, RDV, SL, SLV, SP-CTO, VR, VR-CkV, VSAⓈ	
5.0L (304") Fed. V8	A.I.R., CAT, CTO, DVTRV, EGR, EGR-CTO, EGR-TVS, EGR-FDLVⓈ, FDV, HDC-CTO, NLRV, RDV, TSD, PCV	
6.0L (360") Fed. V8	A.I.R., CAT, CTO, DVTRV, EGR, EGR-CTO, EGR-TVS, EGR-FDLV, HDSP-CTOⓈ, NLRV, RDV, TSD, PCV, VSD	

A.I.R. - Air Injection Reactor
ASV - Air Switch Valve
BPV - By-Pass Valve
CAT - Catalytic Converter
CEC - Computerized Emission Control
CTO - Coolant Temperature Override
C-4 - Computer Controlled Catalytic Converter
Decel-V - Deceleration Valve
DLV - Delay Valve
DVTRV - Diverter Valve
EGR - Exhaust Gas Recirculation

EGR-CTO - Exhaust Gas Recirculation Coolant Temperature Override
EGR-FDLV - Exhaust Gas Recirculation Forward Delay Valve
EGR-TVS - Exhaust Gas Recirculation Thermal Vacuum Switch
FDV - Forward Delay Valve
HDC-CTO - Heavy Duty Cooling Coolant Temperature Override
HDSP-CT - Heavy Duty Spark Coolant Temperature Override
MCU - Micro Computer Unit

NLRV - Non-Linear Valve
PCV - Positive Crankcase Ventilation
RDV - Reverse Delay Valve
SP-CTO - Spark Coolant Temperature Override
SLV - Solevac
SL - Solenoid
TSD - Throttle Solenoid
VR - Vacuum Reservoir
VR-CkV - Vacuum Reverse Check Valve
VSA - Vacuum Switch Assembly
VSD - Vacuum Switch Dump