

3-2 1981 Emission Control Application

1981 CHRYSLER CORP.

Engines	Emission Control Systems & Devices	Remarks
1981 Chrysler Corp. Light Duty Emissions 3.7L (225") 6-Cyl.	AAS, AIR, APDV, CAT, CCV, CCEGR, EAC, ECS, EGR, HADV, TAC	① - California models only. ② - Federal models only.
5.2L (318") V8	AAS, AIR, APDV, CAT, CCV, CCEGR, EAC, ECS, EGR, HADV, OSAC, PHDV, PHV, TAC, TIDC	
5.9L (360") V8	AAS, AIR, APDV, CAT, CCV, CCEVS, EAC, ECS, EGR, OSAC, TAC, TIDC	
Heavy Duty Emissions 5.2L (318") V8	AAS, AIR, APDV, CAT, CCV, CCEGR, ECS, EGR, EGR-DV, OSAC, TAC, TIDC, TP	
5.9L (360") V8	AAS, AIR, APDV, CAT, CCV, CCEGR, ECS, EGR, EGR-DV, OSAC, TAC, TIDC, TP	

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

AAS - Aspirator Air System	CCEGR - Coolant Controlled Exhaust Gas Recirculation	ECS - Evaporation Control System	PHDV - Power Heat Delay Valve
AIR - Air Injection Reactor	CCEVS - Coolant Controlled Engine Vacuum Switch	EGR - Exhaust Gas Recirculation	TAC - Thermostatic Air Cleaner
APDV - Air Pump Diverter Valve	EAC - Electric Assist Choke	EGR-DV - EGR Delay Valve	TIDC - Thermostatic Ignition Distributor Control
CAT - Catalytic Converter		HADV - Heated Air Delay Valve	TP - Throttle Positioner
CCC - Crankcase Control Valve		OSAC - Orifice Spark Advance Control	

1981 FORD

Engines	Emission Control Systems & Devices	Remarks
1981 Ford Light Duty Emissions 4.9L (300") 6-Cyl.	AIR, AIR-BPV, A/CL-BM, A/CL-CWM, A/CL-DV, TAC, DV-TW, EAC, EGR, FVEC, PCV, PG-CV, TAC, TVS, TVV, VCV, VRDV, V-RSR, 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.
4.2L (255") V8	AIR, AIR-BPV, EGR, VCV, TAC, VRDV, V-RST, VDV	
5.0L (302") V8	AIR, AIR-BPV, A/CL-BM, A/CL-DV, BV, CAT, DV-TW, EAC, EGR, FVEC, IVV, PCV, PG-CV, SV-CBV, TAC, TVS, TVV, VCV, VDV, VRDV, V-RSR, VRV	
5.8L (351") "M" V8	AIR, AIR-BPV, A/CL-BM, A/CL-DV, BV, CAT, EAC, EGR, FVEC, IVV, LCV, PCV, PG-CV, SV-CBV, TAC, TVS, TVV, VCV, VRDV, V-RSR, V-RST	
5.8L (351") "W" V8	AIR, AIR-BPV, A/CL-CWM, A/CL-DV, BV, CAT, DV-TW, EAC, EGR, FVEC, HIC, PCV, PG-CV, SV-CBV, TAC, TVS, TV-RST, TVV, VCV, VRDV, V-RSR	

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

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

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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| 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 | 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 | 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) |
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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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| 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 |
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