

1980 Exhaust Emission Systems

GENERAL MOTORS EMISSION CONTROL APPLICATION (Cont.)

CHEVROLET

EMISSION CONTROL SYSTEMS		
Engine & Calibration	Emission Control Systems & Devices	Remarks
98" 4-Cyl. 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, DLV, DCLV, CP-DTVS, VB-DLV, PAIR, TVS ^①	① — Some models. ② — Man. Trans. only. ③ — Some Fed. models use C-4. See Calif. listing.
98" 4-Cyl. 2-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, DCLV, PAIR, CP-DTVS, EGR-TVS, DLV, C-4, VB-DLV, PR-CV	
151" 4-Cyl. 2-Bbl. Federal (VIN V)	CAT, TAC, EEC, EFE, PCV, EGR, DCLV, VDV, DTVS, SPK-TVS, EGR-TVS	
151" 4-Cyl. 2-Bbl. Calif. (VIN V)	CAT, TAC, EEC, EFE, PCV, EGR, VCS, VDV, SPK-TVS, EGR-TVS, TVS, DCLV, C-4	
151" 4-Cyl. 2-Bbl. Federal (VIN 5)	CAT, TAC, EEC, EFE, EGR, PCV, VLDV, DTVS, EGR-TVS, DCLV	
151" 4-Cyl. 2-Bbl. Calif. (VIN 5)	CAT, TAC, EEC, EFE, PCV, EGR, PR-CV, C-4, TVV-CV, DLV, VCS, R-DLV ^② , DTVS ^② , EGR-TVS ^②	
173" V6 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, DCLV, PAIR, VB, SVB-TVS, CKV, CP-TVS, EFE-TVS, EGR-TVS	
173" V6 2-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, TP-CV, EFE-TVS, EGR-TVS, CKV, CP-DTVS, VB, DCLV, SVB-TVS, PAIR, C-4	
229" V6 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, TVS, DLV, VR, EFE-TVS, CKV, APDV, VDV, AIR, EGR-TVS ^①	
231" V6 2-Bbl. Federal ^③ (VIN A)	CAT, TAC, EEC, EFE, PCV, EGR, DLV, CKV, NLV, EFE/EGR-TVS, VDLV, AIR-CV, AIR, RLY ^② , DTVS ^② , CP-TVS ^②	
231" V 2-Bbl. Calif. (VIN A)	CAT, TAC, EEC, EFE, PCV, EGR, C-4, AIR, CKV, EGR/EFE-TVS, DLV, CP-TVS, AIR-CV	
231" V Turbo Federal (VIN 3)	CAT, TAC, EEC, EFE, PCV, EGR, PEVR, AP-DV, AIR, CKV, EFE/EGR-TVS, DLV, TVS, AIR-CKV	
231" V6 Turbo Calif. (VIN 3)	CAT, TAC, EEC, EFE, PCV, EGR, C-4, EGR-SOL, EFE-SOL, AIR-SV, APDV, AP-CV, CKV, DLV, AIR, CP-TVS	
257" V8 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, TVS, DLV, DTVS, EFE-TVS, EGR-TVS, APDV, VDV, CKV, AIR	
305" V8 4-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, TVS, DLV, DTVS, EGR-TVS, EFE-TVS, AIR, APDV ^① , AP-CV ^① , VDLV ^①	

AIR — Air Injection Reactor
APCV — Air Pump Control Valve
APDV — Air Pump Diverter Valve
ASV — Air Switching Valve
BPT — Back Pressure Transducer
CKV — Check Valve
CAT — Catalytic Converter
CP — Canister Purge
CV — Control Valve
DCLV — Deceleration Valve
DLV — Delay Valve
DTVTS — Distributor Thermal Vacuum Switch

EEC — Evaporative Emission Control
EFE — Early Fuel Evaporation
EGR — Exhaust Gas Recirculation
ETS — Engine Temperature Switch
NLV — Non-Linear Valve
PAIR — Pulse Air Injection
PCV — Positive Crankcase Ventilation
PEVR — Power Enrichment Vacuum Regulator
PR-CV — Pressure Control Valve
R-DLV — Retard Delay Valve
RLY — Relay
SAVM — Spark Advance Vacuum Modulator

SOL — Solenoid
SVB — Secondary Vacuum Break
SWV — Switching Valve
TAC — Thermostatic Air Cleaner
TP-CV — Tank Pressure Control Valve
TVS — Thermal Vacuum Switch
TVV — Thermal Vacuum Valve
VB — Vacuum Break
VCS — Vacuum Control Switch
VL-DV — Vacuum Delay Valve
VRV — Vacuum Regulator Valve
VS — Vacuum Switch

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GENERAL MOTORS EMISSION CONTROL APPLICATION (Cont.) CHEVROLET (Cont.)

EMISSION CONTROL SYSTEMS		
Engine & Calibration	Emission Control Systems & Devices	Remarks
305" V8 4-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, DTVS, DLV, C-4, EFE-TVS, EGR-TVS, TVS, APDV, AIR, CKV, SVB	
350" V8 4-Bbl. Federal (VIN L)	CAT, TAC, EEC, EFE, PCV, EGR, DV, TVS, EGR-TVS, EFE-TVS, APDV, AIR, DTVS, CKV	
350" V8 4-Bbl. Federal (VIN 6 & 8)	CAT, TAC, EEC, EFE, PCV, EGR, DLV, TVS, EGR-TVS, EFE-S, DTVS, APDV, AIR	
350" V8 Diesel	PCV, EGR, ETS, VRV, EGR-VS	

OLDSMOBILE

EMISSION CONTROL SYSTEMS		
Engine & Calibration	Emission Control Systems & Devices	Remarks
151" 4-Cyl. 2-Bbl. Federal (VIN V)	CAT, TAC, EEC, EFE, PCV, EGR, DCLV, VDLV, DTVS, SPK-TVS, EGR-TVS	① - Some models. ② - Man. Trans. only.
151" 4-Cyl. 2-Bbl. Calif. (VIN V)	CAT, TAC, EEC, EFE, PCV, EGR, YCS, YDV, SPK-TVS, EGR-TVS, TVS, DCLV, C-4	
151" 4-Cyl. 2-Bbl. Federal (VIN 5)	CAT, TAC, EEC, EFE, CV, EGR, VDLV, DTVS, EGR-TVS, DCLV	
151" 4-Cyl. 2-Bbl. Calif. (VIN 5)	CAT, TAC, EEC, EFE, PCV, EGR, PR-CV, C-4, TVV-CV, DLV, VCS, R-DLV [⊙] , EGR-TVS, DTVS [⊙]	
173" V 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, DCLV, PAIR, VB, SVB-TVS, CKV, CP-TVS, EFE-TVS, EGR-TVS	
173" V6 2-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, TP-CV, CKV, EFE-TVS, EGR-TVS, CP-DTVS, SVB-TVS, VB, DCLV, PAIR, C-4	
231" V6 2-Bbl. Federal (VIN A)	CAT, TAC, EEC, EFE, PCV, EGR, DLV, CKV, EFE/EGR-TVS, NLV, VDLV, AIR, APCV, DTVS [⊙] , RLY [⊙] , CP-TVS [⊙]	
231" V6 2-Bbl. Calif. (VIN A)	CAT, TAC, EEC, EFE, PCV, EGR, C-4, AIR, CKV, DLV, CP-TVS, EFE/EGR-TS, APCV	
260" V8 2-Bbl. Federal	CAT, TAC, EEC, EFE, EGR, PCV, AIR, SAVM, SPK-DLV EFE/EGR/EMR-DTVS, EMR-VS, CVB-DTVS, CP-TVS, EFE-DLV	
305" V8 4-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, TVS, DLV, DTTVS, EFE-TVS, EGR-TVS, AIR, APCV [⊙] , APDV [⊙] , VDLV [⊙]	

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CP - Canister Purge
CV - Control Valve
DCLV - Deceleration Valve
DLV - Delay Valve
DTVS - Distributor Thermal Vacuum Switch

EEC - Evaporative Emission Control
EFE - Early Fuel Evaporation
EGR - Exhaust Gas Recirculation
ETS - Engine Temperature Switch
NLV - Non-Linear Valve
PAIR - Pulse Air Injection
PCV - Positive Crankcase Ventilation
PEVR - Power Enrichment Vacuum Regulator
PR-CV - Pressure Control Valve
R-DLV - Retard Delay Valve
RLY - Relay
SAVM - Spark Advance Vacuum Modulator

SOL - Solenoid
SVB - Secondary Vacuum Break
SWV - Switching Valve
TAC - Thermostatic Air Cleaner
TP-CV - Tank Pressure Control Valve
TVS - Thermal Vacuum Switch
TVV - Thermal Vacuum Valve
VB - Vacuum Break
VCS - Vacuum Control Switch
VL-DV - Vacuum Delay Valve
VRV - Vacuum Regulator Valve
VS - Vacuum Switch