

# 1980 Exhaust Emission Systems

## GENERAL MOTORS EMISSION CONTROL APPLICATION (Cont.) OLDSMOBILE (Cont.)

EMISSION CONTROL SYSTEMS		
Engine & Calibration	Emission Control Systems & Devices	Remarks
305" V8 4-Bbl. Calif.	CAT, TAC, E, E, PCV, EGR, DTVS, DLV, C-4, EFE-TVS, EGR-TVS, TVS, APDV, AIR, CKV, SVB	
307" V8 4-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, AIR, SAVM, CP-TVS, EGR/EMR-DTVS, CVB-DTVS, EMR-VS, SPK-DLV	
350" V8 4-Bbl. Federal (VIN R)	CAT, TAC, EEC, EFE, PCV, EGR, AIR, SPK-DLV, CP-TVS, EGR/EMR-TVS, CVB-DTVS, EMR-VS	
350" V8 4-Bbl. Calif. (VIN R)	CAT, TAC, EEC, PCV, EGR, DTVS, DLV, C-4, EGR-TVS, TVS, APDV, CKV, SVB	
350" V8 Diesel	PCV, EGR, ETS, VRV, EGR-VS	

## PONTIAC

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, VDV, 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, VCS, VDV, SPK-TVS, EGR-TVS, TVS, DCLV, C-4	
151" 4-Cyl. 2-Bbl. Federal (VIN 5)	CAT, TAC, EEC, EFE, PCV, EGR, VDLV, DTVS, DCLV, EGR-TVS	
151" 4-Cyl. 2-Bbl. Calif. (VIN 5)	CAT, TAC, EEC, EFE, PCV, EGR, PR-CV, C-4, TVV-CV, DLV, VCS, R-DLV <sup>⊙</sup> , DTVS <sup>⊙</sup> , EGR-TVS <sup>⊙</sup>	
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, CKV, DCLV, C-4 TP-CV, EFE-TVS, EGR-TVS, CP-DTVS, VB, SVB-TVS, PAIR	
229" V6 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, TVS, DLV, VRV, EFE-TVS, CKV, APDV, VDV, AIR, EGR-TVS <sup>⊙</sup>	
231" V6 2-Bbl. Federal	CAT, TAC, EEC, EFE, V, EGR, DLV, CKV, DTVS <sup>⊙</sup> EFE/EGR-TVS, NLV, VDLV, AIR-CV, AIR, CP-TVS <sup>⊙</sup> , RLY <sup>⊙</sup>	
231" V6 2-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, AIR, CKV, C-4, EFE/EGR-TVS, DLV, CP-TVS, APCV	

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  
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

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## GENERAL MOTORS EMISSION CONTROL APPLICATION (Cont.)

### PONTIAC (Cont.)

EMISSION CONTROL SYSTEMS		
Engine & Calibration	Emission Control Systems & Devices	Remarks
265" V8 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, DTVS, TVS, SPK-TVS, SPK-DLV, CKV, APDV, VDLV, AIR	
301" V8 4-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, TVS, DTVS, EFE-TVS, CKV, APDV, VS	
301" V8 Turbo Federal	CAT, TAC, EEC, EFE, PCV, EGR, APDV, EGR-TVS, DTVS, TVS, DLV, AIR	
305" V8 4-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, AIR, C-4, DTVS DLV, TVS, APDV, CKV, SVB, EFE-TVS, EGR-TVS	
350" V8 4-Bbl. Calif. (VIN R)	CAT, TAC, EEC, EFE, PCV, EGR, DTVS, C-4, CVB-TVS, EGR-DTVS, CP-TVS, SAVM	
350" V8 4-Bbl. Federal (VIN X)	CAT, TAC, EEC, EFE, PCV, EGR, DLV, RLY, AIR CKV, NLV, EFE/EGR-TVS, CP-TVS, APCV, VDLV	
350" V8 Diesel	PCV, EGR, ETS, VRV, EGR-VS	

**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  
**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