

1980 Exhaust Emission Systems

GENERAL MOTORS EMISSION CONTROL APPLICATION

BUICK

EMISSION CONTROL SYSTEMS		
Engine & Calibration	Emission Control Systems & Devices	Remarks
151" 4-Cyl. 2-Bbl. Federal (VIN 5)	CAT, TAC, EEC, EFE, PCV, EGR, VDLV, DVS, EGR-TVS, DCLV	① - Some Models. ② - Man. Trans. Only. ③ - Some Fed. models use C-4. See Calif. listing.
151" 4-Cyl. 2-Bbl. Calif. (VIN 5)	CAT, TAC, EEC, EFE, PCV, EGR, PR-CV, TVV-CV, C-4, VCS, DV, R-DLV①, DTVS②, EGR-TVS③	
173" V6 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, DCLV, VB, PAIR, SVB-TVS, CKV, CP-TVS, EFE-TVS, EGR-TVS	
173" V6 2-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, DCLV, VB, SVB-TVS, TP-CV, EFE-TVS, EGR-TVS, CKV, CP-DTVS, C-4, PAIR	
231" V6 2-Bbl. Federal③ (VIN A)	CAT, TAC, EEC, EFE, PCV, EGR, AIR, DLV, RLY①, EFE/EGR-TVS, CKV, NLV, VDLV, APCV, DTVS①, CP-TVS②	
231" V6 2-Bbl. Calif. (VIN A)	CAT, TAC, EEC, EFE, PCV, EGR, C-4, AIR, EGR/EFE-TVS, CKV, DLV, CP-TVS, AIR-CV	
231" V6 Turbo Federal (VIN 3)	CAT, TAC, EEC, EFE, PCV, EGR, PEVR, APDV, AIR, CKV, TVS, AP-CKV, DLV, EFE/EGR-TVS	
231" V6 Turbo Calif. (VIN 3)	CAT, TAC, EEC, EFE, PCV, EGR, C-4, AIR, AIR-SWV, AIR-CV, EFE-SOL, EGR-SOL, CP-TVS, DLV, CKV, SPDV, AIR-SWV, AIR-CV	
252" V6 4-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, DLV, AIR, EFE/EGR-TVS, DTVS, NLV, VDLV, APCV	
265" V8 2-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, AIR, SPK-TVS, SPK-DLV, TVS, CKV, APDV, VDLV	
301" V8 4-Bbl. Federal	CAT, TAC, EPC, EFE, PCV, EGR, AIR, DTVS, TVS, EFE-TVS, APDV, CKV, VS	
305" V8 4-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, TVS, DLV, DTVS, EFE-TVS, EGR-TVS, AIR, AP-CV①, APDV①, VDLV①	

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

1980 Exhaust Emission Systems

3-75

GENERAL MOTORS EMISSION CONTROL APPLICATION (Cont.)

BUICK (Cont.)

EMISSION CONTROL SYSTEMS		
Engine & Calibration	Emission Control Systems & Devices	Remarks
305" V8 4-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, AIR, C-4, SVB, CKV, DTVS, DLV, TVS, APDV, EGE-TVS, EFE-TVS	
350" V8 4-Bbl. Federal (VIN R)	CAT, TAC, EEC, EFE, PCV, EGR, AIR, CP-TVS, EGR/EMR-TVS, EMR-VS, CVB-DTVS, SPK-DLV	
350" V9 4-Bbl. Calif. (VIN R)	CAT, TAC, EEC, PCV, EGR, C-4, SAVM, DTVS, CP-TVS, CVB-TVS, EGR-DTVS	
350" V8 4-Bbl. Federal (VIN X)	CAT, TAC, EEC, EFE, PCV, EGR, AIR, VDLV, PCV CP-TVS, EFE/EGR-TVS, DKV, NLV, DLV, RLY, SPK-DLV	
350" V8 Diesel	PCV, EGR, ETS, VRV, EGR-VS	

CADILLAC

EMISSION CONTROL SYSTEMS		
Engine & Calibration	Emission Control Systems & Devices	Remarks
252" V6 4-Bbl. Federal	CAT, TAC, EEC, EFE, EGR, PCV, DTVS, NLV, EFE/EGR-TVS, VDLV, AIR, APCV, DLV	
350" V8 EFI Calif.	CAT, EGR, EEC, PCV, ASV, APCV, AIR, EGR-SOL, AIR-SOL	
350" V8 Diesel	PCV, EGR, ETS, VRV, EGR-VS	
368" V8 4-Bbl. Federal	CAT, TAC, EEC, EFE, PCV, EGR, APDV, AIR, VS, EGR-TVV, EFE/EGR-DTVS	
368" V8 4-Bbl. Calif.	CAT, TAC, EEC, EFE, PCV, EGR, APCV, ASV, AIR, EGR-TVV, VB-TVS, VS, EFE/EGR/AIR/EEC-DTVS	
368" V8 DEFI Federal	CAT, TAC, EEC, EFE, PCV, EGR, APDV, AIR, EGR-TVV, EGR-SOL, EFE/EEC-TVS	

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