

1982 Exhaust Emission Systems

3-31

FORD MOTOR CO. EMISSION CONTROL APPLICATION

EMISSION CONTROL SYSTEMS		
Engine	Emission Control Systems & Devices	Remarks
1.6L (98") 4-Cyl. Man. Transaxle	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, B/P, EGR-SOL ^{①②} , AIR-VCV, DIST- VCV ^③ , EGR-VCV, ANTI-BFV ^④ , A/CL-BiMet, A/CL-SO, HAC ^⑤ , HIC, VMVS ^⑥ , FDC ^⑦ , VRes ^⑧ , VacVV ^⑨	① — With A/C ② — Calif. ③ — Some applications ④ — Exc. High Alt. ⑤ — High Alt.
1.6L (98") 4-Cyl. Auto. Transaxle	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, EGR-SOL, AIR-VCV ^③ , DIST-VCV ^④ , EGR- VCV, B/P, VRes, VRes ^⑤ , AIVV ^⑥ , VacVV ^⑦ , HAC ^⑧ , HIC ^⑨ , A/CL-BiMet, A/CL-SO, VMVS ^⑩ , EGR-CV ^⑪	
2.3L (140") 4-Cyl.	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, EGR-SOL, B/P ^② , OXS ^③ , AIR-VCV, DIST- VCV, EGR-VCV ^④ , ANTI-BFV ^⑤ , AIVV ^⑥ , A/CL- BiMet, A/CL-SO, VMV ^⑦ , VMVS ^⑧ , VacVV ^⑨	
3.3L (200") 6-Cyl. Cougar XR7 & Thunderbird	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, AIR-VCV, DIST-VCV, EGR-VCV, AIR-BPV, EGR-LCV, A/CL-BiMet, A/CL-SO, VRes, VMVS	
3.3L (200") 6-Cyl. Exc. Cougar XR7 & Thunderbird	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, EGR-SOL, AIR-VCV, DIST-VCV, EGR- VCV, AIR-BPV, EGR-LCV, A/CL-BiMet, A/CL-SO, B/P ^④ , ECRV ^⑤ , VRes ^⑥	
3.8L (232") V6 Calif.	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, EGR-SOL, AIR-BPV, VacVV, OXS, VRes, A/CL-BiMet, A/CL-SO, DIST-VCV, VMVS, TVS, KS	

A/CL — Air Cleaner
ACKV — Air Check Valve
ACV — Air Control Valve
AIR — Air Injection Reactor
AIVV — Air Idle Vacuum Valve
ANTI-BFV — Anti-Backfire Valve
BiMet — Air Temperature Control Sensor
B/P — Back Pressure Transducer
BPV — By-pass Valve
CAT — Catalytic Converter
CV — Control Valve

DIST — Distributor
ECRV — Emission Control Regulator Valve
EGR — Exhaust Gas Recirculation Valve
FDC — Fuel Deceleration Control
FVEC — Fuel Vapor Emission Control
HAC — High Altitude Compensator
HIC — Hot Idle Compensator
KS — Spark Knock Intensity Sensor
LCV — Vacuum Load Control Valve
OXS — Exhaust Oxygen Sensor
PCV — Purge Control Valve

SO — Sensor Override
SOL — Solenoid
TAC — Thermostatic Air Cleaner
TVS — Thermal Vacuum Switch
VacVV — Vacuum Vent Control Valve
VCV — Vacuum Control Valve
VMV — Vacuum Modulator Valve
VMVS — Vacuum Modulator Valve Switch
VRes — Vacuum Reservoir
VRest — Vacuum Restrictor

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FORD MOTOR CO. EMISSION CONTROL APPLICATION (Cont.)

EMISSION CONTROL SYSTEMS		
Engine	Emission Control Systems & Devices	Remarks
3.8L (232") V6 Exc. Calif.	AIR, CAT, EGR, PCV, TAC, ACV, ACKV, EGR-SOL, AIR-BPV, VacVV ^⓪ , VRes ^⓪ , A/CL- BiMet, A/CL-SO, AIR-VCV, DIST-VCV ^⓪ , EGR-VCV, VCV ^⓪ , EGR-LCV ^⓪ , HAC ^⓪	① — Exc. High Alt. ② — High Alt. ③ — Exc. Thunderbird & Cougar XR7 (w/o A/C) ④ — Some applications ⑤ — Calif. ⑥ — Exc. Station Wagon
4.2L (255") V8	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, B/P, A/CL-BiMet, AIR-VCV, DIST- VCV ^⓪ , EGR-VCV ^⓪ , EGR-SOL ^⓪ , OXS ^⓪ , VMVS ^⓪ , VRes ^⓪ , VRest, TVS ^⓪ , KS ^⓪ , ECRV ^⓪ , EGR-LCV ^⓪	
5.0L (302") V8 Capri & Mustang	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, EGR-LCV, MHC, B/P, EGR-VCV ^⓪ , A/C-BiMet, VCV, VRest	
5.0L (302") V8 Ford & Mercury	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, OXS, AIVV, B/P, EGR-SOL, VCV, ECRV, VMVS, VRes ^⓪ , VRest, A/CL-BiMet, A/CL-SO, TVS ^⓪ , MAP ^⓪	
5.0L (302") V8 Lincoln Continental (High Alt.)	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, B/P, VCV, A/CL-BiMet, VRest, EGR-LCV, MHC, MAP	
5.0L (302") V8 Lincoln Continental (Exc. High Alt.)	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, OXS, B/P, EGR-SOL, VCV, A/CL- BiMet, A/CL-SO, VMVS, VRes, VRest, TVS	
5.0L (302") V8 Lincoln Town Car & Mark VI	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, OXS, EGR-SOL, VRes, A/CL-BiMet, A/CL-SO, MAP	
5.8L (351") V8	AIR, CAT, EGR, FVEC, PCV, TAC, ACV, ACKV, OXS, VRes, EGR-SOL, B/P, ECRV, A/CL-BiMet, A/CL-SO, VCV, VMVS, TVS, KS	

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BiMet — Air Temperature Control Sensor
B/P — Back Pressure Transducer
BPV — By-pass Valve
CAT — Catalytic Converter

DIST — Distributor
ECRV — Emission Control Regulator Valve
EGR — Exhaust Gas Recirculation Valve
FVEC — Fuel Vapor Emission Control
HAC — High Altitude Compensator
KS — Spark Knock Intensity Sensor
LCV — Vacuum Load Control Valve
MAP — Manifold Absolute Pressure Sensor
MHC — Manifold Heat Control Valve
OXS — Exhaust Oxygen Sensor

PCV — Purge Control Valve
SO — Sensor Override
SOL — Solenoid
TAC — Thermostatic Air Cleaner
TVS — Thermal Vacuum Switch
VacVV — Vacuum Vent Control Valve
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