

1966-79 EXHAUST EMISSION SYSTEMS

Ford Motor Co. Emission Control Applications

1966-79 FORD MOTOR CO.

Year, Engine & Fuel System	Emission Control Systems & Devices	Remarks
1966-67 All Models	PCV, TAC ² , AIS ¹	¹ - Light duty Calif. only. ² - Some light duty models only.
1968 170" 6-Cyl. 240" 6-Cyl. 300" 6-Cyl. 289" V8 360" V8	PCV, TAC, AIS ¹ , IMCO ² PCV, TAC, AIS ¹ , IMCO ² PCV, TAC, AIS ¹ , IMCO ² PCV, TAC, AIS ¹ , IMCO ³ PCV, TAC, AIS ¹ , IMCO ³	Heavy duty uses PCV only. ¹ - M/T vehicles only. ² - A/T vehicles only.
1969 170" 6-Cyl. 240" 6-Cyl. 300" 6-CYL 302" V8 360" V8 390" V8	PCV, TAC, IMCO PCV, TAC, IMCO PCV, IMCO PCV, TAC, IMCO PCV, IMCO PCV, IMCO	Heavy duty uses PCV only.
1970 All Engines	PCV, TAC, EVAP, IMCO	Heavy duty uses PCV only.
1971 All Engines	PCV, TAC, EVAP, IMCO	Heavy duty uses PCV only.
1972 170" 6-Cyl. 240" 6-Cyl. 300" 6-Cyl. 302" V8 360" V8 390" V8	PCV, TAC, EVAP ¹ , IMCO PCV, TAC, EVAP ¹ , IMCO PCV, TAC, EVAP ¹ , IMCO PCV, TAC, EVAP ¹ , IMCO PCV, TAC, EVAP ¹ , IMCO PCV, TAC, EVAP ¹ , IMCO	¹ - Light duty only.
1973 Light Duty Emissions 200" 6-Cyl. ¹ 240" 6-Cyl. 300" 6-Cyl. 302" & 360" V8 390" & 460" V8	PCV, TAC, EVAP ² , IMCO PCV, TAC, EVAP ² , FR ³ , IMCO PCV, TAC, EVAP ² , EGR ² , FR ³ , IMCO PCV, TAC, EVAP ² , EGR ² , FR ³ , IMCO PCV, TAC, EVAP ² , EGR ² , FR ³ , IMCO	¹ - Used in Bronco models only. ² - Light duty vehicles only. ³ - Used on all light duty and on F250 & F350 trucks.
1974 Light Duty Emissions 200" 6-Cyl. 240" 6-Cyl. 300" 6-Cyl. 302" V8 360" V8. 390" V8 460" V8	PCV, TAC, EVAP PCV, TAC, SPK ² , EVAP ¹ PCV, TAC, SPK ² , EVAP ¹ PCV, TAC, AIS ¹ , EGR ⁴ , SPK ² , EVAP ¹ , EAC PCV, TAC, AIS ¹ , EGR, SPK ² , EVAP ¹ , EAC PCV, TAC, AIS ¹ , EGR, SPK ² , EVAP ¹ , EAC PCV, TAC, AIS ¹ , EGR, SPK ² , EVAP ¹ , EAC, CTAV ³	¹ - Light duty trucks only. ² - Used on some models. ³ - Calif. F100 models with 460" engine. ⁴ - F100 & Bronco only.
1975 Light Duty Emissions 300" 6-Cyl. 302" V8 351" V8 360" V8 390" V8 Heavy Duty Emissions 300" 6-Cyl. 302" V8 351" V8 360" V8 460" V8	PCV, TAC, AIS, EVAP, OC ¹ , EGR, EAC PCV, TAC, AIS, EVAP, OC ¹ , EGR ² , EAC, VHC PCV, TAC, AIS, EVAP, OC ¹ , EGR, EAC, VHC PCV, TAC, AIS, EVAP, OC ¹ , EGR, EAC PCV, TAC, AIS, EVAP, OC ¹ , EGR, EAC, VHC PCV, TAC, AIS, EVAP, OC ¹ , EGR, EAC, VHC PCV, TAC, EGR ¹ PCV, TAC, EGR, EAC, VHC PCV, TAC, EGR, EAC, VHC PCV, TAC, EGR, EAC PCV, TAC, EGR	¹ - Some models. ² - F100 & Bronco only.

1966-79 EXHAUST EMISSION SYSTEMS

Ford Motor Co. Emission Control Applications (Cont.)

1966-79 FORD MOTOR CO. (Cont.)

Year, Engine & Fuel System	Emission Control Systems & Devices	Remarks
1976 Light Duty Emissions 300" 6-Cyl. 302" V8 351" V8 360" V8 390" V8 Heavy Duty Emissions 300" 6-Cyl. 302", 351", 360", 390", 460" V8	PCV, TAC, AIS, EVAP, OC ² , EGR ⁶ , SPK ¹ , EGR-BPS, PCV, TAC, AIS, EVAP, OC ² , EGR, EAC, EGR-BPS, VHC, TAC PCV, TAC, AIS, EVAP, OC ² , EGR, EAC, EGR-BPS, VHC, TAC PCV, TAC, AIS, EVAP, OC ² , EGR, EAC, RDV ¹ , VHC ⁴ , TVS PCV, TAC, AIS, EVAP, OC ² , EGR, SPK ⁵ , EAC, VHC, TVS PCV, TAC, AIS ⁷ , EVAP ² , EGR ^{2,7} , PCV, TAC, AIS, EVAP ² , EGR ² , EAC	1 - Calif. M/T models only. 2 - Calif. models only. 3 - Except on Fed. M/T models. 4 - Except on Fed. A/T models. 5 - Fed. models only. 6 - F100 & Bronco only. 7 - Except Calif. 78J.
1977 Light Duty Emissions 300" 6-Cyl. 302" V8 351" M V8 351" W V8 400" V8 Heavy Duty Emissions 300" 6-Cyl. 351" M V8 351" W V8 400" V8 460" V8	PCV, TAC, EVAP, AIS, OC, EGR, SPK ¹ , EGR-BPS PCV, TAC, EVAP, AIS ² , OC, EGR, EGR-BPS ³ PCV, TAC, EVAP, AIS, OC, EGR, EGR-BPS ⁴ PCV, TAC, EVAP, AIS, OC, EGR, EGR-BPS ⁴ PCV, TAC, EVAP, AIS, OC, EGR, PCV, TAC, EVAP PCV, AIS ¹ , EVAP ¹ , OC ⁶ , EGR ¹ PCV, TAC, EVAP ¹ , AIS, EGR, PCV, TAC, AIS ¹ , EVAP ¹ , EGR ¹ PCV, TAC, EVAP ¹ , EGR ¹	1 - Calif. models only. 2 - Not on Fed. A/T models exc. High Alt. Bronco. 3 - Fed. models only. 4 - M/T models only. 5 - Van models only. 6 - Some Calif. models.
1978 Light Duty Emissions 300" 6-Cyl. 302" V8 351" M V8 351" W V8 400" V8 460" V8 Heavy Duty Emissions 300" 6-Cyl. 302" V8 351" M V8 351" W V8 400" V8 460" V8	PCV, TAC, EVAP, OC, EGR, SPK ² , EGR-BPS ¹ , TP ² , VTK ² , WOTC ² PCV, TAC, EVAP, AIS ³ , OC, EGR, SPK ² , EGR-BPS, HIC ⁴ , VTK ² PCV, TAC, EVAP, AIS ⁵ , OC, EGR, CL-PVS, EGR-BPS, VTK PCV, TAC, AIS ⁶ , EVAP, OC, EGR, SPK ⁶ , EGR-BPS PCV, TAC, AIS ⁷ , EVAP, OC, EGR, SPK ² , CL-PVS, EGR-BPS PCV, TAC, AIS ⁸ , EVAP, OC, EGR, SPK ² , EGR-BPS, VTK PCV, TAC, EVAP ⁵ , EGR, TP ² PCV, TAC, AIS ² , EVAP ⁵ , EGR, SPK ² , TP ² PCV, TAC, AIS ² , EVAP ⁵ , EGR, SPK ² , TP ² PCV, TAC, AIS ² , EVAP ⁵ , EGR, SPK ² , TP ² PCV, TAC, AIS ² , EVAP ⁵ , EGR, SPK ² , TP ² PCV, TAC, EVAP ⁵ , EGR, SPK ²	1 - Some Calif. M/T models. 2 - Used on some models. 3 - High Alt. & Fed. models. 4 - Some M/T Calif. & Fed. models. 5 - Except some Fed. models. 6 - Except some Fed. Vans. 7 - Not used on some Fed. A/T Pickup models. 8 - Used on some Calif. Pickup and Vans with A/T.

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1979 Light Duty Emissions 300" 6-Cyl. 302" V8 351" M V8 351" W V8 400" V8 460" V8 Heavy Duty Emissions 300" 6-Cyl. 351" M V8 351" W V8 400" V8 460" V8	<p>PCV, TAC, AIS⁴, EVAP¹, OC, EGR, EAC, EGR-BPS, WOTC PCV, TAC, AIS⁵, EVAP¹, OC, EGR, SPK², EAC, EGR-BPS PCV, TAC, AIS⁵, EVAP, OC, EGR, SPK, EAC, EGR-BPS PCV, TAC, AIS⁵, EVAP³, OC, EGR, SPK, EAC, EGR-BPS PCV, TAC, AIS⁵, EVAP³, OC, EGR, SPK, EAC, EGR-BPS PCV, TAC, AIS⁶, EVAP¹, OC, EGR, SPK, EAC, EGR-BPS</p> <p>PCV, TAC, AIS, EVAP³, EGR, SPK, DTM, WOTC PCV, TAC, AIS², EVAP³, OC³, EGR, SPK, DTM PCV, TAC, AIS², EVAP³, OC³, EGR, SPK, DTM PCV, TAC, AIS², EVAP³, OC³, EGR, SPK, DTM PCV, TAC, AIS², EVAP³, OC³, EGR, SPK, DTM</p>	<p>¹ - Used on Calif. "E" models and all "F" models. ² - Used on some models. ³ - Calif. models only. ⁴ - Hi. Alt. & some Calif. ⁵ - Some Fed. models. ⁶ - Some Calif. models.</p>

Light Duty Emissions:

1966-77 vehicles up to 6000 GVW.
 1978 California vehicles to 8500 GVW or Federal vehicles up to 6000 GVW.
 1979-89 vehicles up to 8500 GVW.

Heavy Duty Emissions:

1966-77 vehicles over 6000 GVW.
 1978 California vehicles over 8500 GVW or Federal vehicles over 6000 GVW.
 1979-89 vehicles over 8500 GVW.

ACV - Air Control Valve

AIS - Air Injection System

AIR-BPV - Air By-Pass Valve

AIR-ChV - Air Check Valve

AIR-IVV - Air Idle Vacuum Valve

A/CL - Air Cleaner

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

A/CL-TSOV - Air Cleaner Temp. Sensor Override Valve

A/CL-VCD - Air Cleaner Vacuum Control Delay

A/CL-VCV - Air Cleaner Vacuum Control valve

A/CL-VM - Air Cleaner Vac. Motor

ASV - Air Switching Valve

BMAPS - Barometric/Manifold Absolute Press. Sensor

BPS - Barometric Pressure Switch

BV - Bowl Vent Port

CEC - Comp. Engine Control

COC - Convent. Oxydation Catalyst

CTAV - Cold Temp. Actuated Vacuum Ignition Advance

CTS - Coolant Temp. Sensor

DMV - Distributor Modulator Valve

DTM - Decal Throttle Modulator

DRCV - Dist. Retard Control Valve

DVCV - Dist. Vacuum Control Valve

DV-TW - Delay Valve-Two Way

EAC - Electric Assist Choke

EEC - Electronic Engine Control

EFE - Early Fuel Evaporation

EGR - Exhaust Gas Recirculation

EGR-BPS - EGR Backpressure Sensor

EGR-BPTV - EGR Back-Pressure Transducer Valve

EGR-CLR - EGR Cooler

EGR-EPV - EGR External Pressure Valve

EGR-EVP - EGR Valve Position Sensor

EGR-EVR - EGR Electronic Vacuum Regulator

EGR-RSR - EGR Reservoir

EGR-VCV - EGR Vacuum Control Valve

EGR-VSOL - EGR Vac. Solenoid

EGR-VVA - EGR Electronic Vacuum Regulator

EVCR - Emission Vacuum Control Regulator

EVAP - Evaporative Emiss. Control

FCS - Fuel Control System

FR - Fuel Return

FVEC - Fuel Vapor Emiss. Control

HIC - Hot Idle Compensator

IMCO - Improved Combustion System

ITVS - Ign. Timing Vac. Switch

IVV - Idle Vacuum Valve

LCV - Load Control Valve

MCU - Micro Computer Unit

OC - Catalytic Converter

O₂ - Oxygen Sensor

PCV - Positive Crankcase Vent.

PG-CV - Purge Crankcase Vent.

PGV - Purge Control Valve

REDOX - Reduction-Oxidation

RDV - Retard Delay Valve

SA-FV - Separator Assembly-Fuel/Vacuum

Sol-V - Solenoid Valve

SPK - Spark Control

SRV - AIS Solenoid Valve

SV-CBV - Solenoid Valve-Carb. Bowl Vent

TAC - Thermostatic Air Cleaner

TAD - Thermactor Diverter

TK - Throttle Kicker

TP - Throttle Positioner

TV-RST - Tee Vacuum Restrictor

TVS - Thermal Vacuum Switch

TVV - Thermal Vent Valve

TWC - Three-Way Catalyst

V-CkV - Vacuum Check Valve

VCV - Vacuum Control Valve

VCBV - Vacuum Control Bowl Valve

VDV - Vacuum Delay Valve

VHC - Vacuum Heat Control Valve

VOTM - Vacuum Operated Throttle Modulator

VRDV - Vacuum Retard Delay Valve

V-RSR - Vacuum Reservoir

V-RST - Vacuum Restrictor

V-SW - Vacuum Switch

VTK - Vacuum Throttle Kicker

VVA - Venturi Vacuum Amplifier (EGR-VVA)

WOTC - Wide Open Throttle Cut-Out