

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-428  
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1990 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: LFM4.9T5HGG8 Displacement: 4.9 Liters (300 Inches<sup>3</sup>)  
Equipped with the following exhaust emission control systems:

- Exhaust Gas Recirculation
- Heated Oxygen Sensor
- Three-way Catalyst
- Oxidation Catalyst
- Secondary Air Injection
- Multipoint Electronic Fuel Injection
- On-Board Diagnostics (Exempted)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751-5750	0.50	9.0	1.0

The following are the certification emission values for this engine family:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751-5750	0.27	4.2	0.5

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

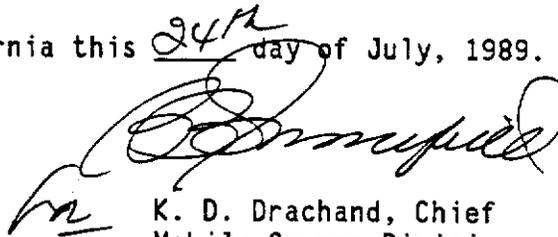
BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions of California Health and Safety Code Section 43205.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 24<sup>th</sup> day of July, 1989.

  
K. D. Drachand, Chief  
Mobile Source Division

Manufacturer FORD MOTOR COMPANY Eng. Family LFM4.9T5HGG8

Pass Cars \_\_\_ Lt-Duty Trucks X Med-Duty Vehicles \_\_\_ Gas X Diesel \_\_\_

Eng. Type I-6 Liter (CID) 4.9L (300) Evap. Family 9HM/OHM

Emission Control Sys. (Use SAE Abbrv.) EGR/MPI/AIR/TWC+OC/HO2S/090

Engine: Front X Mid. \_\_\_ Rear \_\_\_ Drive: FWD \_\_\_ RWD X 4WD-FT \_\_\_ 4WD-PT X

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. Sys. (ECU/PROM) Part No. -12A650-	EGR Syst. Part No -9J459-	Catalyst Part No. -5F250-
052SR00A/N	Bronco 4X4	E40D	5000	*	FOTF-AGA	FOTE-AA	FOTA-DA
A/N	F150 RKS 4X2	E40D	4250				FOTA-CA
A/N	F150 RKS 4X4	E40D	4500				

\* Refer to HP list for settings based on model and equipment (20.09.17.02-6).

Engine Family: L4.9TGG

20.09.17.02 - 1

Issued: 7-14-89

Revised:

Manufacturer FORD MOTOR COMPANY Eng. Family LFM4.9T5HGG8

Pass Cars\_\_\_ Lt-Duty Trucks X Med-Duty Vehicles\_\_\_ Gas X Diesel\_\_\_

Eng. Type I-6 Liter (CID) 4.9L (300) Evap. Family 9HM/OHM

Emission Control Sys. (Use SAE Abbrv.) EGR/MPI/AIR/TWC+OC/HO2S/C3D

Engine: Front X Mid. \_\_\_ Rear \_\_\_ Drive: FWD \_\_\_ RWD X 4WD-FT \_\_\_ 4WD-PT X

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. Sys. (ECU/PROM) Part No. -12A650-	EGR Syst. Part No -9J459-	Catalyst Part No. -5F250-
051RROON A	Bronco 4X4	F5390	4750 5000	*	FOTF-DA	FOTE-AA	FOTA-DA
A/N	F150 RKL 4X2	F5390	4250				FOTA-CA
N	RKS		4000				
A	RKS		4250				
A/N	SKL		4750				
N	SKS		4500				
A	SKS		4750				
A/N	F150 RKL 4X4	F5390	4750				
A/N	RKS		4500				
A/N	SKL		5000				
A/N	SKS		4750				
A/N	F250 RKL 4X2	F5390	4750				
A/N	Bronco 4X4	M4632	5000				FOTA-DA
A/N	F150 RKL 4X2	M4632	4250				FOTA-CA
A/N	RKS		4250				
A/N	SKL		4750				
A/N	SKS		4750				
A/N	F150 RKL 4X4	M4632	4750				
A/N	RKS		4500				
A/N	SKL		5000				
A/N	SKS		5000				
A/N	F250 RKL 4X2	M4632	4750				
A/N	F250 RKL 4X4	M4632	5000				

\* Refer to HP list for settings based on model and equipment (20.09.17.02-6).

Engine Family: L4.9TGG

20.09.17.02 - 2

Issued: 7-14-89

Revised:

Manufacturer FORD MOTOR COMPANY Eng. Family LFM4.9T5HGG8Pass Cars \_\_\_ Lt-Duty Trucks X Med-Duty Vehicles \_\_\_ Gas X Diesel \_\_\_Eng. Type I-6 Liter (CID) 4.9L (300) Evap. Family 9HM/OHMEmission Control Sys. (Use SAE Abbrv.) EGR/MPI/AIR/TWC+OC/HO2S/C8DEngine: Front X Mid. \_\_\_ Rear \_\_\_ Drive: FWD \_\_\_ RWD X 4WD-FT \_\_\_ 4WD-PT X

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. Sys. (ECU/PROM) Part No. -12A650-	EGR Syst. Part No -9J459-	Catalyst Part No. -5F250-
051RR00-N A	Bronco 4X4	D5572	4750 5000	*	FOTF-DA	FOTE-AA	FOTA-DA
A/N	F150 RKL 4X2	D5572	4250				FOTA-CA
A/N	F150 RKL 4X4	D5572	4750				
A/N	RKS		4500				
A/N	F250 RKL 4X2	D5572	4750				
A/N	F250 RKL 4X4	D5572	5000				

\* Refer to HP list for settings based on model and equipment (20.09.17.02-6).

Engine Family: L4.9TGG

20.09.17.02 - 3

Issued: 7-14-89

Revised:

Manufacturer FORD MOTOR COMPANY Eng. Family LFM4.9T5HGG8

Pass Cars\_\_\_ Lt-Duty Trucks X Med-Duty Vehicles\_\_\_ Gas X Diesel\_\_\_

Eng. Type I-6 Liter (CID) 4.9L (300) Evap. Family 9HM/OHM

Emission Control Sys. (Use SAE Abbrev.) EGR/MPI/AIR/TWC+OC/HO2S/CBD

Engine: Front X Mid. \_\_\_ Rear \_\_\_ Drive: FWD \_\_\_ RWD X 4WD-FT \_\_\_ 4WD-PT X

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. Sys. (ECU/PROM) Part No. -12A650-	EGR Syst. Part No -9J459-	Catalyst Part No. -5F250-
051QR00-N	E150 RVL 4X2	E40D	4500	*	FOTF-GA	FOTE-AA	E8UA-GA
A	RVL		4750				
N	SVL		4750				
A	SVL		5000				
A/N	CWL		5250				
A/N	E250 RVL 4X2	E40D	5000				
A/N	SVL		5250				

\* Refer to HP list for settings based on model and equipment (20.09.17.02-6).

Manufacturer FORD MOTOR COMPANY Eng. Family LFM4.9T5HGG8

Pass Cars\_\_\_ Lt-Duty Trucks X Med-Duty Vehicles\_\_\_ Gas X Diesel\_\_\_

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Emission Control Sys. (Use SAE Abbrv.) EGR/MPI/AIR/TWC+OC/HO2S/CBD

Engine: Front X Mid. \_\_\_ Rear \_\_\_ Drive: FWD \_\_\_ RWD X 4WD-FT \_\_\_ 4WD-PT X

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051RR00A/N	F150 RKL 4X2	E4OD	4250	*	FOTF-FA	FOTE-AA	FOTA-CA
N	SKL		4750				
A/N	SKS		4750				
A	SKL		5000				
A/N	F150 RKL 4X4	E4OD	4750				
A/N	F250 RKL 4X2	E4OD	4750				

\* Refer to HP list for settings based on model and equipment (20.09.17.02-6).