

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-541  
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 Ford Motor Company 1993 model-year exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Fuel Flexible (M85 Methanol, Gasoline)

Engine Family: PFM3.0V5FFC3 Displacement: 3.0 Liters (181 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Dual Three Way Catalytic Converters
- Exhaust Gas Recirculation
- Dual Heated Oxygen Sensors
- Sequential Multiport Fuel Injection

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

The TLEV certification exhaust emission standards for this engine family in grams per mile are: (The standards in parenthesis are for gasoline.)

<u>Miles</u>	<u>Non-Methane Organic Gases</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
50,000	0.125 (0.25)	3.4 (3.4)	0.4 (0.4)	0.015 (0.015)
100,000	0.156 (0.31)	4.2 (4.2)	0.6 (0.6)	0.018 (0.018)

The certification exhaust emission values for this engine family in grams per mile are: (The values in parenthesis are for gasoline.)

<u>Miles</u>	<u>Non-Methane Organic Gases</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
50,000	0.091 (0.12)	1.4 (1.4)	0.1 (0.1)	0.012 (0.001)
100,000	0.110 (0.14)	1.8 (1.7)	0.1 (0.1)	0.015 (0.002)

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, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 are certified as TLEVs at the request of Ford Motor Company based on the assumption that, following a hearing scheduled for January, 1993, the 50-degree Fahrenheit exhaust emission standards in the "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" will be amended with the result that the data submitted by Ford Motor Company for the listed vehicle models would be sufficient to satisfy the 50-degree Fahrenheit exhaust emission standards for TLEVs. The certification of the listed vehicle models as TLEVs is CONDITIONAL on such amendments being approved by the Board by February 28, 1993, and becoming effective by December 31, 1993. If such amendments are not approved by the Board by February 28, 1993, or do not become effective by December 31, 1993, the listed vehicle models shall be deemed certified to the phase-in standards for passenger cars as set forth in Title 13, California Code of Regulations, Section 1960.1(f)(1) (For 50,000 miles: 0.25 g/mi organic material hydrocarbon equivalent or OMHCE, 3.4 g/mi carbon monoxide or CO, and 0.4 g/mi oxides of nitrogen. For 100,000 miles: 0.31 g/mi OMHCE and 4.2 g/mi CO.)

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with 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 (Title 13, California Code of Regulations, Section 2035 et seq.).


BE IT FURTHER RESOLVED: That the TLEV hydrocarbon exhaust emission standard to which the listed vehicles are certified is at least twice as stringent as otherwise applicable to gasoline vehicles of the same year and class, and the listed vehicles therefore meet the definition of "low-emission motor vehicle" set forth in Health and Safety Code Sections 39037.05 and 43800.

BE IT FURTHER RESOLVED: That the listed vehicle models shall be clearly labeled as "low-emission motor vehicles" as defined in Health and Safety Code Sections 39037.05 and 43800, and such labeling shall meet the requirements of Health and Safety Code Section 43802(a) at the time of sale.

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 3<sup>rd</sup> day of December, 1992.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

## 1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Engine Family PFM3.0V5FFC3 (P3.0VFC)Passenger Car X (PC) Light-Duty Truck     (T1/T2) Medium-Duty Vehicle     (M1-M5)Stds Type: TLEV (Tier 0/1, AB965, TLEV, LEV, ULEV) Veh Type: FFV (FFV, HEV)Fuel Type: FLEX FUEL Evap Family HLL Engine Conf V-6 Liter (CID) 3.0L (181.2)Engine: Front X Mid     Rear     Drive: FWD X RWD     4WD-FT     4WD-PT    Exhaust ECS & Special Features (including Carb, MFI, etc.) 2TWC/EGR/HO2S/SFI  
(Use abbreviations per SAE J1930, May 91)

Engine Code (Cert Std)	Vehicle Models (If Coded see attachment)	Trans. Type A-Auto M-Manual	Equiv. Test Weight	DPA	Ign. System (ECM/PCM) Part No. (12A650)	EGR System Part No. (9D475)	Catalyst Part No. (5F250)
3-10G-R05A	TAURUS SEDAN A/C	A	3500	6.8	F3DF - MB	F3DE - AA	F3DC-LA
3-10G-R05N	TAURUS SEDAN	A	3500	6.2			
3-10G-R10A	TAURUS SEDAN	A	3500	6.2	F3DF - MC	F3DE - AA	F3DC-LA
3-10G-R10N	TAURUS SEDAN	A	3500	6.2			