

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-329  
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

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

IT IS ORDERED AND RESOLVED: That the following Ford Motor Company 1987 model-year gasoline engines have shown compliance with the transient test procedures and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
HFM07.5AGE2	370, 429 (6.1,7.0)	Air Injection - Pump Exhaust Gas Recirculation

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

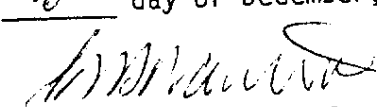
<u>GVWR</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
Over 14000	1.2	20.1	6.8

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines 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.

Executed at El Monte, California this 16<sup>th</sup> day of December, 1986.

  
K. D. Drachand, Chief  
Mobile Source Division

**19\_87 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY GASOLINE ENGINES**

Manufacturer Ford Motor Company Engine Family HFM07.5AGE2  
 Liters (CID) 6.1L(370) 7.0L(429) Eng. Type V-8  
 Emission Control Sys. and (Special Features) EGR/AIR

Engine Model (Engine Code)	Maximum Rated HP at RPM	Rated Torque at RPM	Ignition System (ECU)	Fuel System	EGR Valve	Catalyst
			Mfr. Ford -12127- Part Number	4V  Mfr. Holley -9510- Part Number	Mfr. 9D475 Part Number	Mfr. None Part Number
6.1L (5-83H-R10)	171 @ 3600 162 @ 3400	277 @ 2800	E5HE-AA	E5HE-XA	D8DE-BA	--
7.0L (37H-R10)	188 @ 3200 200 @ 3600 192 @ 3400	326 @ 2600	D9TE-AVA	E5HE-XA	D8DE-BA	--

Date of Issue 120386

Revisions: