

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-40
Relating to Certification of New Motor Vehicle Heavy-Duty Engines

CUMMINS ENGINE COMPANY, INC.

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 Cummins Engine Company, Inc. 1987 model-year diesel-powered engines have shown compliance with the transient test procedure and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
HCE0855FPD1	855 (14.0)	Engine Modification Smoke Puff Limiter (Diesel Injection - Direct) (Turbocharger) (Intercooler)

Engine models and codes are listed on attachments.

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


<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
HCE0855FPD1	0.8	4.6

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 21st day of October, 1986.


K. D. Drachand, Chief
Mobile Source Division

**1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES**

Manufacturer Cummins Engine Company, Inc. Engine Family HCE0855FPD1
 Litre (CID) 14.0 (855) Eng. Type Inline 6
 Emission Control Sys. and (Special Features) AFC, ASA, STC (Turbocharged, DID)

Engine Model	Fuel Injection Pump Mfr Part Number	Injector Mfr. Part Number	Maximum Rate HP at RPM	Fuel Rate mm3/stroke (lbs/Hr)	Maximum Rated Torque at RPM	Fuel Rate mm3/stroke (lbs/Hr)
NTCC-444 CPL 0806	Cummins 3037216 3034873 3034874	Cummins 3053766	444 @ 2100	229 (162)	1400@ 1500	267 (135)
NTCC-400 CPL 0806	Same	Same	400 @ 2100	208 (147)	1325@ 1500	253 (128)
NTCC-365 CPL 0806	Same	Same	365 @ 2100	191 (135)	1325@ 1500	253 (128)

Date of Issue _____ Revisions: _____