

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-33  
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. 1986 model-year heavy-duty diesel engines have shown compliance with the optional 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>
343B	611 (10.0)	Engine Modification (Diesel Injection-Direct) (Turbocharged)

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>
343B	0.4	4.7

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 29<sup>th</sup> day of October, 1985.

  
K. D. Drachand, Chief  
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINESManufacturer Cummins Engine Company, Inc.Page 1 of 1Engine Family 343B CID(Liter)-Type 611 (10.0) Inline 6ECS and (Special Features) AFC, AFC w/ ASA (Turbocharged, DID)

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Ident.
LTA 10 CPL 0787	Cummins - 217795 3037216	Cummins - 3049429	300 @ 1900	155	19° BTDC @ .2032 in. piston travel, .198 in Inj. push tube travel
LTA 10 CPL 0781	Cummins - 217795 3037216	Cummins - 3045102	270 @ 1900	139	(Same)
LTA 10 CPL 0780	Cummins - 217795 3037216	Cummins - 3045102	240 @ 2100	116	(Same)
LTA 10 CPL 0789 (1)	Cummins - 217795 3037216	Cummins - 3049429	270 @ 2100	129	(Same)
LTA 10 CPL 0790 (1)	Cummins 217795 3037216	Cummins - 3049429	270 @ 1900	137	(Same)

Date of Issue - 10/29/85

(1) Revised 11/25/85 (RC # 1-343B-86)