State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-156

Relating to Certification of New Heavy-Duty Motor Vehicle 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-45-9;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Company, Inc. 1996 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
TCE661EJDARA (353D)	10.8	(661)	Powertrain Control module Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3	15.5	5.0	0.10

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
TCE661EJDARA (353D)	0.2	0.9	4.8	0.06

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted 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.).

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 and attachments.

Executed at El Monte, California this 29th day of November 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-21-156

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family (353D) TCE661EJDARA

Displacement: / 10.8 Liters / 661 Cubic Inches

Maximum Rated Power: 400 HP @ 1800 RPM Engine Configuration: I-6

Ignition: Compression X Compression with Glow Plug___ Spark___

Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Diesel X M100___ M85___

Diesel Cert Fuel: 13 CCR 2282___ 40 CFR 86.1313-90___ 40 CFR 86.1313-94 X

Primary Intended Service Class: LHD___ MHD___ HHD X Urban Bus___

Exhaust ECS (include MFI, TC, CAC): PCM (TC, CAC)

(use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm3 / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
M11-400E (1885) (1973)	400 @ 1800	213 (129)	3084589 3087557	3084473	N/A	N/A

Date Issued:

Revisions:

SUBMITTED
NOV 15 1995