State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-103

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-45-3;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Company, Inc. 1994 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
RCE661EJDARA (353B)	11	(661)	Powertrain Control Module Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

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

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3	15.5	5.0	0.10

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

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
RCE661EJDARA (353B)	0.2	1.4	4.2	0.07

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 6th day of December, 1993.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company,Inc. Engine Family 353B RCE661EJDARA

Liter (CID) 10.8 (661) Fuel Type Diesel Engine Config. I-6

Exhaust ECS & Special Features (ECM/PCM, PTOX, IFI, etc.) PCM (TC, CAC)
(Use abbreviations per SAE J1930 May91)

Engine Model (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm^3 /stroke (lbs/hr)	Injector P/N	ECM/PCM P/N	Part.Trap/ Catalyst P/N
M11-330E (1855)	330 @ 1800	172 (105)	3083849	3084473	NA
M11-310E (1855)	310 @ 1800	161 (98)	3083849	3084473	NA
M11-280E (1855)	280 @ 1800	146 (89)	3083849	3084473	NA
M11 ESP II (1857)	310 @ 1800	161 (98)	3083849	3084473	NA

Revisions:

SUBMITTED
OCT 25 1993