State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-158

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
TCE661EJDARB (353F)	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
TCE661EJDARB (353F)	0.2	0.7	4.5	0.05

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-21-158

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

Manufacturer Cummins Engine Company, Inc. Engine Family (353F) TCE661EJDARB

Displacement: / 10.8 Liters / 661 Cubic Inches

Maximum Rated Power: 350 HP @ 1900 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 ___

CNG ___ LNG ___ LPG ___ Other (specify) ____

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.
M11-330E+ (2036)	340 @ 1800	173 (105)	3095040	3090528 3096662	N/A	N/A
M11-330E+ (2036)	330 @ 1800	170 (103)	3095040	3090528 3096662	N/A	N/A
M11-330 ESP+ (2036)	330 @ 1800	178 (103)	3095040	3090528 3096662	N/A	N/A
M11-320E+ (2036)	320 @ 2100	147 (104)	3095040	3090528 3096662	N/A	N/A
M11-310E+ (2036)	319 @ 1800	163 (99)	3095040	3090528 3096662	N/A	N/A
M11-310E+ (2036)	310 @ 1800	158 (96)	3095040	3090528 3096662	N/A	N/A
M11-280E+ (2036)	288 @ 1800	148 (90)	3095040	3090528 3096662	N/A	N/A
M11-280E+ (2036)	280 @ 1800	145 (88)	3095040	3090528 3096662	N/A	N/A
M11-350E+ (2036)	360 @ 1900	182 (117)	3095040	3090528 3096662	N/A	N/A
M11-310 ESP+ (2036)	310 @ 1800	158 (96)	3095040	3090528 3096662	N/A	N/A
M11-300E+ (2036)	310 @ 1800	158 (96)	3095040	3090528 3096662	N/A	N/A

Date Issued:

Revisions:

SUBMITTED
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