State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-168

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. 1997 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
VCE855EJDATW (093W)	14.0	855	Charge Air Cooler Turbocharger Powertrain Control Module

Engine models and codes are listed on attachments.

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

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3	15.5	5.0	0.10

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

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
VCE855EJDATW (093W)	0.3	0.9	4.5	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 23rd day of December 1996.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-21-168

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family (093W) VCE855EJDATW

Displacement: /14 Liters / 855 Cubic Inches

Maximum Rated Power: 525 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 ___

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.
N14-525E+ (2025)	525 @ 1800	288 (175.1)	3095086	3090528 3096662	N/A	N/A
N14-500E+ (2025)	505 @ 1800	272 (165.3)	Same	Same	N/A	N/A
N14-460E+ (2025)	480 @ 1800	255 (154.9)	Same	Same	N/A	N/A
N14-435E+ (2025)	450 @ 1800	237 (143.8)	Same	Same	N/A	N/A
N14-435E+ (2025)	435 @ 1800	229 (138.8)	Same	Same	N/A	N/A
N14-435E+ (2025)	448 @ 1800	236 (143.3)	Same	Same	N/A	N/A
N14-435 ESP+ (2025)	435 @ 1800	229 (138.8)	Same	Same	N/A	N/A
N14-500E+ (2025)	505 @ 1900	259 (166.0)	Same	Same	N/A	N/A
N14-460E+ (2025)	465 @ 1800	243 (147.4)	Same	Same	N/A	N/A
N14-410E+ (2025)	427 @ 1800	231 (136.5)	Same	Same	N/A	N/A

Date Issued:

Revisions:

SUBMITTED
OCT 04 1996