## State of California AIR RESOURCES BOARD

## **EXECUTIVE ORDER A-21-136**

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. 1995 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	<u>Liters</u>	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
SCE855EJDATW (093W)	14.0	(855)	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	Carbon	Nitrogen	<u>Particulates</u>
<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
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	Total	Carbon	Nitrogen	<u>Particulates</u>
<u>Family</u>	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
SCE855EJDATW (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 30 day of July 1995.

R. B. Summerfield

Assistant Division Chief Mobile Source Division

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## 1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

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Manufacturer Cummins Engine Company, Inc. Engine Family 093W SCE855EJDATW  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 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 Rated HP @ Rated HP (Eng Code) @ RPM mm3 / stroke Part No. Part No. Part No. Part No. Converter
Maximum Rated Power: 525 HP @ 1800 RPM Engine Configuration: I-6  Ignition: Compression X Compression with Glow Plug Spark  Fuel Type(s): Dedicated 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 Rated HP @ Rate
Fuel Type(s): Dedicated 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 Rated HP Rate
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 Rated HP & Rated HP & Injector ECM/PCM Valve Catalytic (lbs/hr)  (lbs/hr)
CNG LNG LPG Other (specify)  Diesel Cert Fuel: 13 CCR 2282
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 Rated HP Rated HP GRAted HP (Eng Code) GRPM Mm3 / stroke Part No. Part No. Part No. Converter
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 Rated HP RAT
Exhaust ECS (include.MFI, TC, CAC): PCM (TC, CAC)  (use abbreviations per SAE J1930 SEP91)  Engine Model Rated HP (Rated HP (Eng Code) (RPM (TC, CAC))  Fuel Rate Fuel Pump (Rated HP (Rated HP (Rated HP (TM)))  Fuel Rate (Pump (TM))  Fuel Pump (TM)  Fuel Rate (TM)  Fuel Rate (TM)  Fuel Rate (TM)  Fuel Pump (TM)  Fuel Pump (TM)  Fuel Rate (TM)  Fuel Rate (TM)  Fuel Pump (TM)  Fuel Rate (TM)  Fuel Rate (TM)  Fuel Rate (TM)  Fuel Rate (TM)  Fuel Pump (TM)  Fuel Pump (TM)  Fuel Rate (TM)  Fuel Pump (TM)  Fuel Rate (TM)  Fuel Rate (TM)  Fuel Rate (TM)  Fuel Pump (TM)  Fuel Rate (TM)  Fu
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Engine Model Rated HP & Rated HP & Rated HP & Injector ECM/PCM Valve Catalytic (lbs/hr) Part No. Part No. Part No. Converter
(Eng Code) Rated HP Rated HP & Injector ECM/PCM Valve Catalytic Part No. (lbs/hr)
(lbs/hr) Part No. Part No. Converter
N14-525E+ 525 1800 288 (175.1) 3095086 3090528 N/2
(2025) N/A N/A
N14-500E+ 505 @ 1800 272 (165.3) Same Same N/A N/A
(2025) N/A N/A
N14-460E+ 480 @ 1800 255 (154.9) Same Same N/A N/A
(2025) N/A N/A
N14-460E+ 470 @ 1800 249 (151.2) Same Same N/A N/A
(2025) Same N/A N/A
N14-435E+ 450 @ 1800 237 (143.8) Same Same N/A N/A
(2025) Same Same N/A N/A
N14-435E+ 435 @ 1800 229 (138.8) Same Same N/A
(2025)   Same   N/A   N/A
N14-435E+ 448 @ 1800 236 (143.3) Same Same
(2025)   236 (143.3)   Same   N/A   N/A
N14-435 ESP+ 435 @ 1800   229 (138.8)   Same   Same   N/A
(2025) 435 @ 1800   229 (138.8)   Same   Same   N/A   N/A
Date Issued:
Revisions