

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-117-1

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. 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

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems and Special Features</u>
SCE505D6DAAW (413F)	8.3	(505)	Oxidation Catalytic Converter Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification exhaust emission standards and, in accordance with the manufacturer's particulates averaging program, the particulates emission limit for this engine family in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>		
			<u>Emission Standard</u>	<u>Averaging Value</u>	<u>Family Limit</u>
1.3	15.5	5.0	0.10	0.10	0.08

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

<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
SCE505D6DAAW (413F)	0.2	0.9	4.5	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.).

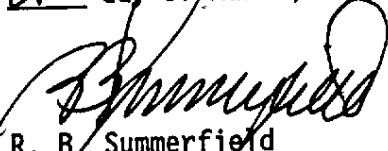
BE IT FURTHER RESOLVED: That these engines are included in a diesel heavy-duty particulates averaging program as permitted in the "California Exhaust Emission Standards for 1985 and Subsequent Model Heavy-Duty Engines and Vehicles, amended July 12, 1991", referenced section 86.091-11(a)(1)(iv)(c).

Executive Order A-21-117 dated December 5, 1994, is hereby superseded by Executive Order A-21-117-1.

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 21<sup>st</sup> day of March, 1995.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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

Manufacturer Cummins Engine Company, Inc. Engine Family (413E) SCB505D6DAAW

Displacement: 8.3 Liters / 505 Cubic Inches

Maximum Rated Power: 264 HP @ 2100 RPM Engine Configuration: 1-6

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 X HHD \_\_\_\_\_ Urban Bus \_\_\_\_\_

Exhaust ECS (include MFI, TC, CAC): \_\_\_\_\_ OC (TC, CAC)  
(use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm <sup>3</sup> / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
C8.3-275 (1566)	264 @ 2100	136 (96.0)	FP:3922446 FP:3927923 IN:3922913 IN:3926117	N/A	N/A	3926265
C8.3-275 (1566)	260 @ 2200	132 (98.3)	FP:3922427 FP:3927924 IN:3922913 IN:3926117	N/A	N/A	3926265
C8.3-250 (1566)	240 @ 2200	120 (89.3)	FP:3922449 IN:3922913 IN:3926117	N/A	N/A	3926265

Date Issued:

Revisions: \_\_\_\_\_