

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-131-1

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-45-9;

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: Compressed Natural Gas and Liquid Natural Gas (CNG and LNG)

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems and Special Features</u>
SCE359DBCARA (493B)	5.9	359	Engine Control Module Turbocharger Charge Air Cooler Heated Oxygen Sensor

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:

<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.2	15.5	5.0	0.10

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

<u>Engine Family</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
SCE359DBCARA (493B)	1.2	8.5	1.5	0.07

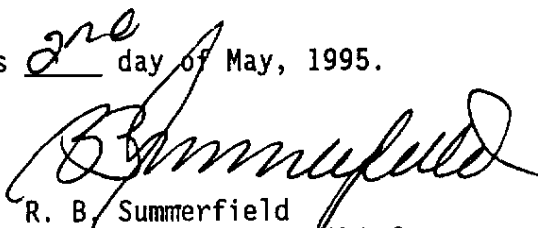
BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Executive Order A-21-131 dated February 9, 1995, is hereby superseded by Executive Order A-21-131-1.

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 2<sup>nd</sup> day of May, 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 493B SCE359DBCARA  
 Displacement:  / 5.9  Liters  / 359  Cubic Inches  
 Maximum Rated Power: 195 HP @ 2800 RPM Engine Configuration: I-6  
 Ignition: Compression                      Compression with Glow Plug                      Spark X  
 Fuel Type(s): Dedicated            Flex-Fuel            Dual-Fuel            Diesel            M100            M85             
   CNG X    LNG X    LPG               Other (specify)     
 Diesel Cert Fuel: 13 CCR 2282               40 CFR 86.1313-90               40 CFR 86.1313-94             
 Primary Intended Service Class: LHD               MHD X    HHD               Urban Bus             
 Exhaust ECS (include MFI, TC, CAC): ECM            (TC, CAC) HOLS  
 (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.
B5.9-195G <sup>*</sup> (2035)	195 @ 2800	(70)	N/A	3922724	N/A	N/A

\* NOTE: THIS ENGINE FAMILY IS CERTIFIED TO OPERATED ON LNG FUEL SYSTEM USING  
 CUMMINS PART NUMBERS 308827 AND 3096649

Date Issued: \_\_\_\_\_

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