

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-134

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

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
SCE661EJDATW (353E)	10.8 (661)	Powertrain Control Module 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	0.09

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>
SCE661EJDATW (353E)	0.2	0.6	4.5	0.05

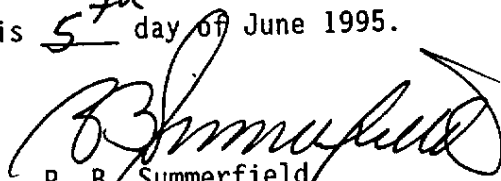
BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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).

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 5<sup>th</sup> day of June 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

Manufacturer Cummins Engine Company, Inc. Engine Family (353E) SCE661EJDATW  
 Displacement:           /           10.8 Liters           /           661 Cubic Inches  
 Maximum Rated Power: 400 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 (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.
M11-400E+ (2037)	400 @ 1800	209 (127)	3095040	3090528	N/A	N/A
M11-370E+ (2037)	385 @ 1800	199 (121)	3095040	3090528	N/A	N/A
M11-370E+ (2037)	370 @ 1800	191 (116)	3095040	3090528	N/A	N/A
M11-350E+ (2037)	365 @ 1800	188 (114)	3095040	3090528	N/A	N/A
M11-350E+ (2037)	350 @ 1800	180 (109)	3095040	3090528	N/A	N/A
M11-350 ESP+ (2037)	350 @ 1800	180 (109)	3095040	3090528	N/A	N/A
M11-330E+ (2037)	340 @ 1800	173 (105)	3095040	3090528	N/A	N/A
M11-330E+ (2037)	330 @ 1800	170 (103)	3095040	3090528	N/A	N/A

Date Issued:

Revisions:            |            |            |            |            |           

SUBMITTED  
APR 18 1995