

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-12
Relating to Certification of New Motor Vehicle Engines

CUMMINS ENGINE COMPANY, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100 and 43102 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 Cummins Engine Company, Inc., 1977 model-year diesel-powered engines in heavy-duty motor vehicles are certified for the engine families described below:

<u>Engine Family</u>	<u>Engine Size (CID)</u>	<u>Engine Model</u>	<u>Type</u>
093F	855	NTCC-350	Six Cylinder In-line-Turbocharged and Aftercooled
172A	903	VT-903	V-Eight-Turbocharged
222	555	VT-555	V-Eight-Turbocharged

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<u>Engine Family</u>	<u>HC + NOx gm/bhp-hr</u>	<u>CO gm/bhp-hr</u>	<u>HC gm/bhp-hr</u>	<u>NOx gm/bhp-hr</u>
093F	Not Applicable	2	0.3	7.0
172A	Not Applicable	2	0.8	5.7
222	Not Applicable	3	0.6	7.2

Engines certified under this Executive Order must conform to all applicable California emission regulations.

CUMMINS ENGINE COMPANY, INC.

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The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 10 day of March, 1977.



G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer CUMMINS ENGINE COMPANY, INC. Executive Order No. A-21-12 Page 1 of 3Engine Family 093F Engine (CID) 855Emission Control Systems Air Fuel Control Type TCA CPL 0250

Engine Model	Fuel Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP	Basic Initial Timing
NTCC-350	Cummins 217795, 217797, 3004284, 3008908.	Cummins 3007167	350 @ 1900	198 MM ³ /Stroke	.105 inch
			335 @ 1900	190	
			350 @ 2100	186	
			320 @ 1900	183	
			335 @ 2100	179	
			300 @ 1900	173	
			320 @ 2100	172	
			300 @ 2100	162	

Comments

Date of Issue 23 February 1977

Abbreviation

Type

NA - Natural Aspiration

TC - Turbocharged

TCA - Turbocharged and Aftercooled

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer CUMMINS ENGINE COMPANY, INC. Executive Order No. 27-12 Page 2 of 3Engine Family 172A Engine (CID) 903Emission Control Systems Air Fuel Control Type TC CPL 0203

Engine Model	Fuel Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP	Basic Initial Timing
VT-903	Cummins 217794, 217796, 3008037, 3009004, 3008909.	Cummins 3003955	320 @ 2400	111 MM ³ /Stroke	.094 inch
			290 @ 2200	108	
			300 @ 2400	105	
			280 @ 2200	104	
			270 @ 2200	101	
			300 @ 2600	101	
			280 @ 2400	99	
			240 @ 2400	87	

Comments

Date of Issue February 23, 1977

Abbreviation

Type

NA - Natural Aspiration

TC - Turbocharged

TCA - Turbocharged and Aftercooled

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer CUMMINS ENGINE COMPANY, INC Executive Order No. A-21-12 Page 3 of 3Engine Family 222 Engine (CID) 555Emission Control Systems - - Type TC CPL 5019

Engine Model	Fuel Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP	Basic Initial Timing
VT-555	Cummins 3000434, 177761, 177762, 177763 204160, 204161, 3275398, 3275399, 3275400.	Cummins 3275773	220 @ 3000	66 MM ³ /Stroke	.071
Comments					
Date of Issue 23 February 1977					

Abbreviation

Type

NA - Natural Aspiration

TC - Turbocharged

TCA- Turbocharged and Aftercooled