

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-26
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, 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. 1983 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>		<u>Exhaust Emission Control Systems (Special Features)</u>
092A	855	(14.0)	Air Fuel Control (Turbocharged) (Diesel Injection Direct)
093G	855	(14.0)	Air Fuel Control Air Signal Attenuator Mechanical Variable Timing (Turbocharged and Aftercooled) (Diesel Injection Direct)
172D	903	(14.8)	Air Fuel Control One Bank Valve (Turbocharged) (Diesel Injection Direct)

Engine Models and Codes as listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following certification emission values:


<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u>
092A	0.8	2	
093G	0.8	3	5.9
172D	0.7	2	5.4
			5.7

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 attachment.

Executed at El Monte, California this 5th day of October, 1982.


K. D. Drachand, Chief
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company, Inc. Page 1
 Engine Family 092A CID(Liter)-Type 14-Inline 6
 ECS(Special Features) Air Fuel Control (Turbocharged, DID)

Engine Model and Critical Parts List (CPL)	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum ³ HP mm ³ /stroke	Label Ident.
NTCC-240 CPL 0498	217795 217797 3004284 3008908	3023233 3025083	240 @ 1800	145	19° BTDC @ .2032 In. piston travel .0635 In. Inj. push tube travel
NTCC-240 Power Torque 240 CPL 0558			240 @ 1800 240 @ 2100	143 133	19° BTDC @ .2032 In. Piston Travel .0635 In. Inj. push tube travel

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1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINESManufacturer Cummins Engine Company, Inc.Page 2Engine Family 093GCID(Liter)⁸⁵⁵-Type (14)- Inline 6

ECS (Special Features) * AFC, ASA, MVT (TCA & DID)

Engine Model and Critical Parts List (CPL)	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum mm ³ HP /stroke	Label Ident.
NTCC-400 CPL 0454	217795 217797 3004284 3008908	3022269	400 @ 2100	213	19° BTDC @ .2032 In. piston travel .115 In. Inj. push tube travel
NTCC-400 CPL 0457		3024683	400 @ 2100	213	19° BTDC @ .2032 In. piston travel .115 In. Inj. push tube travel
NTCC-350 CPL 0458		3024637	350 @ 1800	203	19° BTDC @ .2032 In. piston travel .110 In. Inj. push tube travel
NTCC-300 CPL 0459		3022268	300 @ 1800	176	19° BTDC @ .2032 In. piston travel .105 In. Inj. push tube travel
NHHTCC-350 CPL 0495		3024637	350 @ 1900	198	19° BTDC @ .2032 In. piston travel .110 In. Inj. push tube travel
NHHTCC-290 CPL 0494		3022268	290 @ 1900	167	19° BTDC @ .2032 In. piston travel .105 In. Inj. push tube travel

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- (AFC) Air Fuel Control
- (ASA) Air Signal Attenuator
- (MVT) Mechanical Variable Timing
- (TCA) Turbocharged and Aftercooled
- (DID) Diesel Injection Direct

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company, Inc.

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Engine Family 172D

CID(Liter)-Type 14.8 - Vee 8

ECS(Special Features) Air Fuel Control, One Bank Valve (Turbocharged, DID)

Engine Model and Critical Parts List (CPL)	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum $\frac{3\text{HP}}{\text{mm}^3/\text{stroke}}$	Label Ident.
VTBC-903 CPL 0480	217794 LH 217796 LH 3008037 LH 3008909 LH 217795 RH 217797 RH 3004284 RH 3008908 RH	3026074	275 @ 2100	110	21 ⁰ BTDC @ .2032 In. piston travel .111 In. Inj. push tube travel

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