

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-8
Relating to Certification of New Motor Vehicles

CUMMINS ENGINE COMPANY, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 39018, 39600, 39601, 43101, and 43102 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 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. 1976 model year diesel-powered engines for use in heavy-duty motor vehicles are approved for the engine families described below:

<u>Engine Family</u>	<u>Engine Size CID</u>	<u>Engine Model</u>	<u>Type</u>
092	855	NTCC-335 NTCC-290-R NTCC-290-F NHHTC-290 Power Torque 270 NTC-290 NTF-295 NTC-250-S NTC-250 NHHTC-250 NTC-230-S NTC-230 NTF-255	Six Cylinder Inline-Turbocharged
172B	903	VT-903	V-8 Turbocharged
192B	1150	KT-450	Six Cylinder Inline-Turbocharged

Section 43200, Part I, Division 26 of the California Health and Safety Code requires that a decal be affixed 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. This decal discloses the highest emissions from the certification fleet for that vehicle for which certification has been granted by the Board.

The following are the recommended values to be listed on the decal:

<u>Engine Family</u>	<u>Hydrocarbon plus Nitrogen Dioxide grams/brake horsepower-hour</u>	<u>Carbon Monoxide grams/brake horsepower-hour</u>
092	10	3
172B	10	3
192B	9	1

Vehicles approved under this Executive Order must conform to all applicable California emission regulations.

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 9th day of January, 1976.

GC Hass by P. D. Orchard
G. C. Hass, Chief
Division of Vehicle Emissions Control

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1976 MODEL YEAR
HEAVY-DUTY DIESEL ENGINES

MANUFACTURER: CUMMINS ENGINE COMPANY, INC.

EXECUTIVE ORDER NO. A-21-8

PAGE NO. 1 of 3.

Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump Mfgr. Part No. (1)	Injectors Mfgr. Part No.	Tune-Up Specification Max Rated H.P. and RPM	Initial Injection Timing (2)	Fuel (3)		Remarks (Emission System)
								Rate	Rate	
092	NTCC-335	855	T.C.	Cummins	AR-40118 or 3003944	335 @2100 300 @2100 270 @1950 270 @1950	.046	184	Air/Fuel Control	(CPL 0190 ONLY)
	NTCC-290-R							164		
	NTCC-290-F							163		
	NTC-290				AR-45756 or 3004747	290 @1900 290 @2100 270 @1900 270 @2100 255 @1900 255 @2100 240 @1900 240 @2100 290 @1900 290 @2100 270 @1900 270 @2100 255 @2100 240 @2100	.050	172 162 161 154 153 145 144 140 172 162 161 154 154 145 140	Air/Fuel Control ONLY, or Aneroid ONLY (i.e., option of one or the other.) (CPL 0217 ONLY)	
	NHHTC-290									
	Power Torque 270									

Abbreviations:

- *N.A. - Natural Aspiration
- T.C. - Turbocharged.
- T.C.A. - Turbocharged and After-cooled.
- (1) Fuel pump identified by fuel rate.
- (2) inches @ .2092 inches BTDC piston travel.
- (3) cu. in./stroke at rated horsepower

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1976 MODEL YEAR
HEAVY-DUTY DIESEL ENGINES

R/C 6-92-76

MANUFACTURER: CUMMINS ENGINE COMPANY, INC

EXECUTIVE ORDER NO. A-21-8

PAGE NO. 2 of 3.

Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump Mfgr. Part No. (1)	Injectors Mfgr. Part No.	Tune-Up Specification		Fuel Rate (3)	Remarks (Emission System)
						Max Rated H.P. and RPM	Initial Injection Timing (2)		
092	NTC-290	855	T.C.	Cummins	AR-40118 or 3003944	290 @ 2100	.036	158	Aneroid ONLY or Air/Fuel Control ONLY (i.e., option of one or the other) (CPL 0187 ONLY)
						270 @ 2100		148	
						255 @ 2100		140	
						240 @ 2100		131	
						295 @ 2300		156	
	NTC-250-C NTC-250 NHHTC-250				AR-40117 or 3003945	250 @ 1800 250 @ 1950 250 @ 2100 250 @ 2100		152 143 136 136	Same emission system as above, but CPL 0189 is used.
	NTC-230-S NTC-230					230 @ 1800 230 @ 1900 230 @ 2100 200 @ 1800 255 @ 2300		137 131 124 120 129	Air/Fuel Control (CPL 0220 ONLY)
	NTF-255								

Abbreviations:

- *N.A. - Natural Aspiration
- T.C. - Turbocharged.
- T.C.A. - Turbocharged and After-cooled.
- (1) Fuel pump identified by fuel rate.
- (2) inches @ .2032 inches BTDC piston travel.
- (3) cu. mm/stroke at rated horsepower

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1976 MODEL YEAR
HEAVY-DUTY DIESEL ENGINES

MANUFACTURER: CUMMINS ENGINE COMPANY, INC EXECUTIVE ORDER NO. A-21-8 PAGE NO. 3 of 3.

Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump		Tune-Up Specification			Fuel Rate (3) (Emission System)	Remarks
				Mfgr. Part No.	(1)	Injectors Mfgr. Part No.	Max Rated H.P. and RPM	Initial Injection (2) Timing		
172B	VT-903	903	T.C.	Cummins	3003955	320@2400A	.066	CPL 0151 ONLY	110	
						320@2600			107	
						300@2400			104	
						280@2200			103	
						300@2600			102	
						280@2400			98	
						275@2600			94	
						240@2400			87	
						320@2400			110	
						320@2600			107	
						300@2400			104	
						280@2200			103	
						300@2600			102	
						280@2400			98	
270@2600	94									
240@2400	87									
192B	KT-450	1150	T.C.	Cummins	3003958	450@2100A	.108	Air/Fuel Control	239	(CPL 0183 ONLY)
						400@1900			229	
						425@2100			227	
						400@2100B			215	
						400@2100			215	

Abbreviations:

- *N.A. - Natural Aspiration
- T.C. - Turbocharged.
- T.C.A. - Turbocharged and After-cooled.
- (1) Fuel pump identified by fuel rate.
- (2) inches @ .2032 inches BTDC piston travel.
- (3) cu. mm/stroke at rated horsepower