

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-4  
Relating to Approval of New Motor Vehicles

Cummins Engine Company, Inc.

Pursuant to the authority vested in the Air Resources Board by Sections 39140 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code and Executive Order G-45-1;

IT IS ORDERED AND RESOLVED: That Cummins Engine Company, Inc. 1975 model year diesel-powered engines 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>
091	855	NH-230, NHF-240, NHC-250	Inline-6 Natural Aspiration
092	855	NHHTCC-335, NTCC-335, NTCC-290-R, NTCC-290-F, Power Torque 270, NTC-290, NHHTC-290, NTF-295, NTC-250-S, NHTC-250, NHHTC-250, NTC-230-S, NTF-255, NTC-230	Inline-6 Turbocharged
171	903	V-903	V-8 Natural Aspiration
172A	903	VT-350	V-8 Turbocharged
172B	903	VT-903	V-8 Turbocharged
192B	1150	KT-450	Inline-6 Turbocharged
193	1150	KTA-600	Inline-6 Turbocharged and Aftercooled

<u>Engine Family</u>	<u>Engine Size CID</u>	<u>Engine Model</u>	<u>Type</u>
021	555	V-555	V-8 Natural Aspiration
022	555	VT-555, VTF-555	V-8 Turbocharged

Section 39152, Part I, 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 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>
021	9	6
022	10	3
171	10	6
172A	9	2
172B	10	2
192B	9	1
193	9	1
021	10	5
022	9	3

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 2 day of December, 1974.

*G. C. Hass*  
 G. C. Hass, Chief  
 Division of Vehicle  
 Emissions Control

THE RESOURCES BOARD  
 SUPPLEMENTAL INFORMATION  
 1975 MODEL YEAR  
 HEAVY-DUTY DIESEL ENGINES

R/C # 3-091-75 (July 24, 1975)  
 R/C # 7-092-75 (July 24, 1975)

MANUFACTURER: CUMMINS ENGINE COMPANY, INC.

EXECUTIVE ORDER NO. A-21-4

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Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump Mfr. Part No. (1)	Injectors Mfr. Part No.	h.P. and RPM	Initial Injec- tion Timing <sup>2</sup>	Fuel Rate <sup>3</sup>	Remarks (Emission System)	
091	NH-230	855	N.A.	Cummins	Cummins AR-40031 AR-40126 or 3003944	220@2100	.029	120		
	NHF-240							119		
	NHC-250									
	MHTCC-335									
092	NTCC-335	855	T.C.	Cummins	AR-40126 AR-40118 or 3003944	240@2100	.030	133	Air/Fuel Control	
	NTCC-335							184		
	NTCC-290-R							164		
	NTCC-290-R							163		
	NTCC-290-F							157		
	Power Torque 270							160		
								158		
								153		
								143		
								136		
NTC-290							.036	166	Aneroid	
								285@1950		158
								290@2100		157
								270@1950		148
								270@2100		148
								255@1950		140
255@2100	131									

Abbreviations:

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

RC 3-172B-75 (5/9/75)  
 RC 2-171-75 (6/12/75)  
 R/C # 7-092-75 (July 24, 1975)

AIR RESOURCES BOARD  
 SUPPLEMENTAL INFORMATION  
 1975 MODEL YEAR  
 HEAVY-DUTY DIESEL ENGINES

\* Corrected 12/15/74

MANUFACTURER: CUMMINS ENGINE COMPANY, INC.

EXECUTIVE ORDER NO. A-21-4

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Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump Mfr. Part No. (1)	Injectors Mfr. Part No.	Tune-up Specification		Fuel Rate 3	Remarks (Emission System)
						H.P. and RPM	Initial Injection Timing 2		
092	NETC-290	855	T.C.	Cummins	Cummins AR-40116 or AR-40117	29002100	.036	158	Aeroid
	NET-295					27002100	148		
	NETC-290-S					29002300	156		
	NETC-250					25001950	152		
	NETC-250, NETTC-250					25002100	143		
	NETC-290-S					23001800	136		
171	NET-295	903	N.A.	Cummins	3003945	25002300		137	
	NETC-230					23001950	128		
						23002100	129		
						23002100	121		
172A	VT-350	903	N.A.	Cummins	AR-40176 3003950 (RC#2-171-75) AR-40125	25002600	.049	101	
						28002400		101	
						25002400		87	
						23002500		80	
172B	VT-903	903	T.C.	Cummins	AR-40239	35002600	.066	115	Aeroid
						33002400		111	
						30002500		102	
						32002600		110	
						30002600		107	
						30002400		104	
					(RC 3-172B-75)	25002300		103	
						30002600		102	
						25002350		99	
						27002600		94	
						24002100		87	

Abbreviations:

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- T.C.A. - Turbocharged and Aftercooled.
- (1) Fuel pump identified by fuel rate.
- (2) inches @ .2092 inches BDC piston travel
- (3) cu: in/stroke at rated horsepower.

Revised 2/14/75  
E.O. A-21-4-1  
(1/15/75)

RC 2-091-75 (5/9/75)  
RC 2-171-75 (6/12/75)  
RC 3-192B-75 (6/12/75)  
RC 2-221-75 (6/12/75)  
RC 2-222-75 (6/12/75)

R/C # 3-091-75  
(24 July 75)

AIR RESOURCES BOARD  
SUPPLEMENTAL INFORMATION  
1975 MODEL YEAR  
HEAVY-DUTY DIESEL ENGINES

MANUFACTURER: Cummins Engine Company, Inc.

EXECUTIVE ORDER NO. A-21-4  
PAGE NO. 3

Engine Family	Engine Models	Engine CID	Method of Aspiration	Fuel Pump Mfgr. Part No.(1)	Injectors Mfgr. Part No.	Tune-up Specification			Remarks (Emission System)
						H.P. and RPM	Initial Injection(2) Timing	Fuel(3) Rate	
192B	KT-450	1150	T.C.	Cummins	Cummins	450@2100	.108	239	Air/Fuel Control
					AR-40458	425@2100	227		
					3003958	400@2100	215		
193	KTA-600	1150	T.C.A.	Cummins	RC#3-192B-75	400@1900		229	(R.C. 1-192B-75) Air/Fuel Control
					AR-40402	600@2100	.118	305	
221	V-555	555	N.A.	Cummins	AR-73502	216@3300	.062	59	
					3275272	202@3000	60		
					RC#2-221-75	190@3000	58		
222	VT-555	555 (E.O. A-21-4-1)	T.C.	Cummins	AR-73776	240@3300	.078	65	
					3275275	225@3000	65		
					RC#2-222-75	240@3300	65		
C91	NHC-250 (Military) (RC 2-091-75)	855	N.A.	Cummins	AR-40031	240@2100	.029	133	
					AR-40126	300			
171	V-903 (RC#2-171-75)	903	N.A.	Cummins	3003949	230@2500	.049	80	

Abbreviations:

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- (1)
- (2)
- (3)

Fuel pump indentified by fuel rate.  
inches @.2092 inches BTDC piston travel  
cu. mm/stroke at rated horsepower

R.C. 1-092-75 (Rev. 5/8/75)  
 R.C. 4-092-75 (Rev. 5/8/75)  
 R.C. 6-092-75 (Rev. 5/8/75)

AIR RESOURCES BOARD  
 SUPPLEMENTAL INFORMATION  
 1975 MODEL YEAR  
 HEAVY-DUTY DIESEL ENGINES

B/C # 7-092-75 (July 24, 1975)

B/C 10-092-75 (July 24, 1975)

MANUFACTURER: Cummins Engine Company, Inc.

EXECUTIVE ORDER NO. A-21-4

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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)				
						H.P. and RPM	Initial Injection Timing (2)						
092	NTC-290, NHHC-290	855	T.C.	Cummins	Gummins AR-45756 or 3004747	29001900	.050	172	Air/Fuel Control RC 1-092-75				
						29002100		162					
	27001900						161						
	27002100						154						
	NTC-290, Power Torque 270									25501900		153	Air/Fuel Control RC 4-092-75
										24001900		144	
	NTC-290, Power Torque 270									25502100		145	or Aneroid 40415
										24002100		140	
	NTC-230-S NTC-230									23001800	.040	137	Air/Fuel Control RC 6-092-75
										23001900		131	
NTF-255						23002100		124					
						25502300		129					

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