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 39150 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:

Engine Family	Engine Size CID	Engine Model	Type
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, NTC-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

CUMMINS ENGINE COMPANY, INC.

EXECUTIVE ORDER A-21-4

Engine Family	Engine Size CID	Engine Model	Type
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:

Engine Family	Hydrocarbon plus Nitrogen Dioxide grams/brake horsepower-hour	Carbon Monoxide grams/brake horsepower-hour
091	9	6
092	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

AIR 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

Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump Mfgr. Part No. (1)	Injectors Mfgr. Part No.	Tune-up Specification H.P. and RPM	Initial Injection Timing2	Fuel Rate 3	Remarks (Emission System)
091	NH-230	855	N.A.	Cummins	Cummins AR-40031 AR-40126 or 3003943	220@2100	.029	120	
	NHF-240					230@2300	.029	119	
	NHC-250				3003943 or AR-40126	240@2100	.030	133	
092	NHHTCC-335 NTCC-335	855	T.C.	Cummins	AR-40118 or 3003944	335@2100	.046	184	Air/Fuel Control
	NTCC-335 NTCC-290-R					300@2100		164	
	NTCC-290-R					270@1950		163	
	NTCC-290-F					270@1950		157	
	Power Torque 270					255@1800	.042	160	Aneroid
						262@1900		158	
						270@2100		153	
						255@2100		143	
						240@2100		136	
	NTC-290					285@1950	.036	166	
						290@2100		158	
						270@1950		157	
						270@2100		148	
						255@1950		148	
						255@2100		140	
						240@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

Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump Mfgr. Part No. (1)	Injectors Mfgr. Part No.	Tune-up Specification H.P. and RPM	Initial Injection Timing2	Fuel Rate 3	Remarks (Emission System)
092	NHHTC-290	855	T.C.	Cummins	Cummins AR-40118 or 3003944	290@2100	.036	158	Aneroid
						270@2100		148	
	NHF-295					295@2300		156	
	NTC-250-S				AR-40117 or 3003945	250@1800		152	
	NTC-250					250@1950		143	
	NTC-250, NHHTC-250					250@2100		136	
	NTC-230-S					230@1800		137	
	NHF-255					255@2300		128	
	NTC-230					230@1950		129	
						230@2100		121	
171	V-903	903	N.A.	Cummins	AR-40176 3003950 (RC#2-171-75)	290@2600	.049	101	
						280@2400		101	
						250@2400		89	
					AR-40125	230@2500		80	
172A	VT-350	903	T.C.	Cummins	AR-40239	350@2600	.066	115	Aneroid
						335@2400		111	
						300@2500		102	
172B	VT-903	903	T.C.	Cummins	AR-40239 * 3003955 (RC 3-172B-75)	320@2400	.066	110	
						320@2500		107	
						300@2400		104	
						250@2200		103	
						300@2600		102	
						260@2350		99	
						270@2000		94	
						240@2400		87	

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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)

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

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

MANUFACTURER: Cummins Engine Company, Inc.

EXECUTIVE ORDER NO. A-21-4

Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump Mfgr. Part No.(1)	Injectors Mfgr. Part No.	Tune-up Specification H.P. and RPM	Initial Injection(2) Timing	Fuel(3) Rate	Remarks (Emission System)
192B	KT-450	1150	T.C.	Cummins	Cummins AR-40458 3003958 (RC#3-192B-75)	450@2100	.108	239	Air/Fuel Control
						425@2100		227	
						400@2100		215	
						400@1900		229	(R.C. 1-192B-75)
193	KTA-600	1150	T.C.A.	Cummins	AR-40402	600@2100	.118	306	Air/Fuel Control
						525@2100		271	
221	V-555	555	N.A.	Cummins	AR-73502 3275272 (RC#2-221-75)	216@3300	.062	59	
	VC-555	(E.O. A-21-4-1)				202@3000		60	
						190@3000		58	
222	VT-555	555	T.C.	Cummins	AR-73776 3275275 (RC#2-222-75)	240@3300	.078	65	
	VTF-555					225@3000		65	
						240@3300		65	
C91	NHC-250 (Military)	855 (RC 2-091-75)	N.A.	Cummins	AR-40031 AR-40126 3003943	240@2100	.029	133	
171	V-903 (RC#2-171-75)	903	N.A.	Cummins	3003949	230@2500	.049	80	

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(3) 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)
R/C # 7-092-75 (July 24, 1975)
R/C 10-092-75 (July 24, 1975)

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

MANUFACTURER: Cummins Engine Company, Inc.

EXECUTIVE ORDER NO. A-21-4

Engine Family	Engine Models	Engine CID	Method of Aspiration *	Fuel Pump Mfgr. Part No. (1)	Injectors Mfgr. Part No.	Tune-up Specification H.P. and RPM	Initial Injection Timing (2)	Fuel Rate (3)	Remarks (Emission System)
092	NTC-290, NHHTC-290	855	T.C.	Cummins	Cummins AR-45756 or 3004747	290@1900	.050	172	Air/Fuel Control RC 1-092-75 or Aneroid 40415
						290@2100		162	
	NTC-290, NHHTC-290, Power Torque 270					270@1900		161	
						270@2100		154	
	NTC-290					255@1900		153	Air/Fuel Control RC 4-092-75 or Aneroid 40415
						240@1900		144	
	NTC-290, Power Torque 270					255@2100		145	
						240@2100		140	
	NTC-230-S				AR-40117 or 3003945	230@1800	.040	137	Air/Fuel Control RC 6-092-75
	NTC-230					230@1900		131	
						230@2100		124	
	NTF-255					255@2300		129	

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