

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-182
Relating to Certification of New Motor Vehicle Engines

GENERAL MOTORS CORPORATION

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 General Motors Corporation 1980 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</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
6L-71TA	426	Aftercooler Throttle Delay (Turbocharged)
V8-8.2	500	Engine Modification
6V-92TA	552	Aftercooler Throttle Delay (Turbocharged)

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>
6L-71TA	0.8	3	6.0
V8-8.2	0.6	3	5.6
6V-92TA	0.6	2	5.5

BE IT FURTHER RESOLVED: That General Motors Corporation has provided to the Executive Officer 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 17th day of December, 1979.

K. D. Drachand
K. D. Drachand, Acting Chief
Mobile Source Control Division

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer General Motors Corporation Page 1

Engine Family 6L-71TA CID-Type 426 - Inline 6

ECS (Special Features) Throttle Delay and Aftercooler, (Turbocharged)

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm ³ /stroke	Label Ident.
6L-71TA	None	7G65 5229895	235 @ 2100	69.5	8922049
		7G70 5229900	253 @ 2100	73.6	8922049
		7G75 5229905	270 @ 2100	79.3	8922049
		7G75 Constant Power 5229905	180 @ 1800 min.	60.8	8922049

Date of Issue - 121479.

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HEAVY-DUTY DIESEL ENGINES

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Engine Family V8-8.2

Liter-Type

8.2 - V8

CID-Type

500 - V8

ECS (Special Features) Engine Modification

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum $\text{mm}^3/\text{stroke}$	Label Ident.
V8-8.2	None	4A53 GMC 5229850	165 @ 3000	52.5	8921474

Date of Issue - 121479.

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HEAVY-DUTY DIESEL ENGINES

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Engine Family 6V-92TA

CID-Type 552 - V6

ECS (Special Features) Throttle Delay and Aftercooler (Turbocharged)

Engine Model	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.
			HP	RPM	#1 D.F.	#2 D.F.	
6V-92TA Upright Models (Truck)	None	9C70 5229870	218	2100	71.7		8922049
		9C75 5229875	239		76.0		
		9C80 5229880	263		81.2		
		9C85 5229885	285		87.0		
		9C90 5229890	305		92.2		
		9C90 Constant Power 5229890	240	1900	78.1		
6V-92TA Tilt Models (Coach)	None	7G65 5229895	222	2100	69.3	71.7	
			238				
		7G70 5229900	243		74.7	77.1	
			261				
7G75 5229905	262	79.5	81.9				
	280						

Date of Issue - 121479. 9C injectors replaced by 7G injectors on tilt models, (Truck) & (Coach) notes added, by RC #4, on 042180.

E.C. Brab

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HEAVY-DUTY DIESEL ENGINES

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Engine Family 6V-92TA CID-Type 552-V6

ECS (Special Features) Throttle Delay and Aftercooler (Turbocharged)

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM		Fuel Rate at Maximum HP mm ³ /stroke		Label Ident.
			HP	RPM	#1 D.F.	#2 D.F.	
6V-92TA Tilt models (coach)	None	9E65	222	2100	69.9		8922049
		5229970	240			71.9	
		9E70	240	2100	74.6		
		5229975	260			76.6	

Date of Issue - 091580.

9E injector series added, by RC #8, on 091580.