

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-158  
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 1979 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>
6V-92TA	552	Throttle Delay and Aftercooler
8V-92TA	736	Throttle Delay and Aftercooler

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>Nitrogen Oxides gm/bhp-hr</u>	<u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u>
6V-92TA	0.6	2	7.2	NA
8V-92TA	0.4	2	6.3	NA

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 20 day of December, 1978.

  
G. C. Hass, Chief  
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINESManufacturer General Motors CorporationPage 1Engine Family 6V-92TAEngine (CID) 552Emission Control Systems TD & ACType TCA

Engine Model ALL ARE 6V-92TA	Fuel Injection Pump Mfgr. Part Number	Injector Mfg. Part Number ALL ARE GMC	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Basic Initial Timing Degrees before Top Center
<u>TILT:</u>	None	9B70 5229855	241 @ 2100	69.1	7
		9B75 5229860	260 @ 2100	73.4	8
		9B80 5229805	275 @ 2100	77.0	9
<u>UPRIGHT: EXCEPT CONSTANT POWER</u>	See page 3 for tune-up label text.	9B70	260 @ 2100	71.5	7
		9B75	279 @ 2100	75.8	8
		9B80	294 @ 2100	79.4	9
		9B85 5229815	315 @ 2100	84.4	10
		9B90 5229810	335 @ 2100	89.4	11
<u>CONSTANT POWER</u>		9B90	240 @ 1800 min.	73.5	11

Date of Issue - 122178. Tilt engines and 9B70, 9B75 upright engines added by RC 3, on 040979.

Fuel rate for tilt engines with 9B70 &amp; 9B75 injectors corrected 042579.

Abbreviations  
TypeNA - Natural Aspiration  
TC - Turbocharged  
TCA - Turbocharged and AftercooledEmission Control SystemsAC - Aftercooler  
EGR - Exhaust Gas Recirculation  
TD - Throttle Delay

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer General Motors Corporation Page 2  
 Engine Family 8V-92TA Engine (CID) 736  
 Emission Control Systems TD & AC Type TCA

Engine Model	Fuel Injection Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Basic Initial Timing
8V-92TA	None	9A80 GMC 5229620	375 @ 2100	80.4	8
		9A85 GMC 5229625	403 @ 2100	85.4	9
	See page 3 for tune-up label text.	9A90 GMC 5229630	430 @ 2100	90.4	10
8V-92TA Constant Power		9A90 GMC 5229630	335 @ 1800 Min.	79.0	10

Date of Issue - 122178.

Abbreviations

Type  
 NA - Natural Aspiration  
 TC - Turbocharged  
 TCA - Turbocharged and Aftercooled

Emission Control Systems

AC - Aftercooler  
 EGR - Exhaust Gas Recirculation  
 TD - Throttle Delay

## 1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-158 Page 3  
 Engine Family 6V-92TA Engine (CID) 552  
8V-92TA 736

6V-92TA ENGINE FAMILY:

ENGINE EXHAUST EMISSION CONTROL INFORMATION  
 THIS ENGINE CONFORMS TO U.S. EPA AND  
 CALIFORNIA REGULATIONS APPLICABLE TO 1979  
 MODEL YEAR HEAVY-DUTY DIESEL ENGINES.  
 ENGINE FAMILY/MODEL 8V-92TA; CID 736  
 MIN. IDLE 500 RPM; ADV HP 430 @ 2100 RPM  
 FUEL RATE AT ADVERTISED HP 90.4 MM 3/STROKE  
 INITIAL INJECTION TIMING 10 DEG. BTC  
 VALVE LASH .016 INCHES; MFG. DATE:  
 GENERAL MOTORS CORPORATION  
 CONFORMS TO AUSTRALIAN DESIGN RULE 30

8V-92TA ENGINE FAMILY:

ENGINE EXHAUST EMISSION CONTROL INFORMATION  
 THIS ENGINE CONFORMS TO U.S. EPA AND  
 CALIFORNIA REGULATIONS APPLICABLE TO 1979  
 MODEL YEAR HEAVY-DUTY DIESEL ENGINES.  
 ENGINE FAMILY/MODEL 6V-92TA; CID 552  
 MIN. IDLE 500 RPM; ADV HP 335 @ 2100 RPM  
 FUEL RATE AT ADVERTISED HP 89.4 MM 3/STROKE  
 INITIAL INJECTION TIMING 11 DEG. BTC  
 VALVE LASH .016 INCHES; MFG. DATE:  
 GENERAL MOTORS CORPORATION  
 CONFORMS TO AUSTRALIAN DESIGN RULE 30

