

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-290-11
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

DETROIT DIESEL 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 Detroit Diesel Corporation 1991 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems & Special Features</u>
MDD0736FZH2	12.0	(736)	Turbocharger Charge Air Cooler Powertrain Control Module
MDD0552FZG5	9.0	(552)	Turbocharger Charge Air Cooler Powertrain Control Module

Engine models and codes are listed on attachments.

The following are the certification emission standards for this engine family:

<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>	<u>Particulates gm/bhp-hr</u>
1.3	15.5	5.0	0.25

The following are the certification emission values for this engine family:

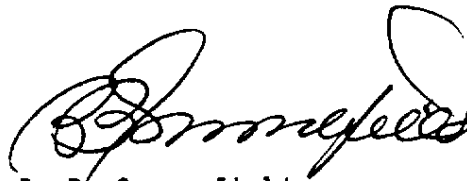
<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>	<u>Particulates gm/bhp-hr</u>
MDD0736FZH2	0.5	1.6	4.7	0.25
MDD0552FZG5	0.4	2.0	4.8	0.25

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Health and Safety Code Section 43205.5).

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 attachments.

Executed at El Monte, California this 20th day of March, 1991.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer: Detroit Diesel Corporation

Engine Family: MDD0736FZH2

Liter (CID): 12 (736)

Engine Type: V-8

Emission Control System and Special Features : PCME,CAC, TC

ENGINE MODEL	FUEL INJECTION PUMP MFR PART NO.	ENGINE CODE INJECTOR MFR PART NO.	MAXIMUM RATED HP AT RPM	FUEL RATE mm ³ /STROKE (LBS/HR)	PART. TRAP/ CATALYST MFR. P/N
8V-92TA DDEC	NA	5A (1) 5234960	370@2100	145.0 (77.9)	

(1) Diesel Technology Corporation

ISSUED: 02-04-91

REV. NO.:

1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer: Detroit Diesel Corporation

Engine Family: MDD0552FZG5

Liter (CID): 9 (552)

Engine Type: V-6

Emission Control System and Special Features : PCME, CAC, TC

ENGINE MODEL	FUEL INJECTION PUMP MFR PART NO.	ENGINE CODE INJECTOR MFR PART NO.	MAXIMUM RATED HP AT RPM	FUEL RATE mm ³ /STROKE (LBS/HR)	PART. TRAP/ CATALYST MFR. P/N
6V-92TA DDEC	NA	1D (1) 5234985	350@2100	96.4 (134.7)	
		2D (1) 5234985	330@2100	90.3 (126.1)	
		3D (1) 5234985	300@2100	81.6 (114.0)	
		4D (1) 5234980	277@2100	76.3 (106.6)	
		5D (1) 5234980	253@2100	69.9 (97.6)	
		6D (1) 5234980	253@2100	69.9 (97.6)	

(1) Diesel Technology Corporation

ISSUED: 02-26-91

REV. NO.: