

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-290-26

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 1993 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Methanol (M100)

| <u>Engine Family</u> | <u>Liters (Cubic Inches)</u> |     | <u>Exhaust Emission Control Systems and Special Features</u>                                    |
|----------------------|------------------------------|-----|---|
| PDD0552MDL4          | 9.0                          | 552 | Powertrain Control Module<br>Charge Air Cooler<br>Oxidation Catalytic Converter<br>Turbocharger |

Engine models and codes are listed on attachments.

The following are the certification emission standards for this engine family in grams per brake-horsepower-hour:

| <u>Organic Material Hydrocarbon Equivalent</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> | <u>Particulates</u> | <u>Formaldehyde</u> |
|--|------------------------|------------------------|---------------------|---------------------|
| 1.3  | 15.5                   | 5.0                    | 0.10                | 0.10                |

The following are the certification emission values for this engine family in grams per brake-horsepower-hour:

| <u>Engine Family</u> | <u>Organic Material Hydrocarbon Equivalent</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> | <u>Particulates</u> | <u>Formaldehyde</u> |
|----------------------|--|------------------------|------------------------|---------------------|---------------------|
| PDD0552MDL4          | 0.1  | 2.1                    | 1.7                    | 0.03                | 0.072               |

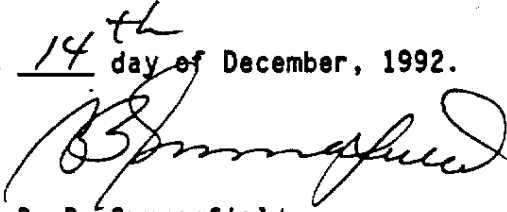
BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That the listed engine family is certified for use in urban buses.

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 14<sup>th</sup> day of December, 1992.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

Executive Order No.: A-290-16

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL CYCLE ENGINES

Manufacturer: Detroit Diesel Corporation

Engine Family: PDD0552MDL4

Liter (CID): 9 (552)

Fuel Type: M100

Engine Type: V-6

Emission Control System and (Special Features): ECM/PCM, CAC, OC, (TC)

| ENGINE MODEL<br>(ENG. CODE)   | RATED HP<br>AT RPM | FUEL RATE<br>@ RATED HP<br>mm <sup>3</sup> /STROKE<br>(LBS/HR) | FUEL PUMP<br>& INJECTOR<br>P/N | ECM/PCM<br>P/N | PART. TRAP/<br>CATALYST<br>P/N |
|-------------------------------|--------------------|--|--------------------------------|----------------|--------------------------------|
| <u>6V-92TA Methanol Coach</u> |                    |  |                                |                |                                |
| 1M                            | 277@2100           | 169.4<br>(223.3)   | 5234955                        | 7570050        | 25145396<br>25145487           |
| 2M                            | 253@2100           | 154.7<br>(203.9)   | 5234955                        | 7570050        |                                |
| 3M                            | 253@2100           | 154.7<br>(203.9)   | 5234955                        | 7570050        |                                |

ISSUED: 09-15-92

REV. NO.:

Executive Order No.: A-290-26

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL CYCLE ENGINES

Manufacturer: Detroit Diesel Corporation

Engine Family: PDD0552MDLA

Liter (CID): 9 (552) Fuel Type: M100

Engine Type: V-6

Emission Control System and (Special Features): ECM/PCM, CAC, OC, (TC)

| ENGINE MODEL<br>(ENG. CODE)   | RATED HP<br>AT RPM | FUEL RATE<br>@ RATED HP<br>mm <sup>3</sup> /STROKE<br>(LBS/HR) | FUEL PUMP<br>& INJECTOR<br>P/N | ECM/PCM<br>P/N | PART. TRAP/<br>CATALYST<br>P/N |
|-------------------------------|--------------------|--|--------------------------------|----------------|--------------------------------|
| <u>6V-92TA Methanol Coach</u> |                    |  |                                |                |                                |
| 1M                            | 277@2100           | 169.4<br>(223.3)   | 5234955<br>5235700(1)          | 7570050        | 25145396<br>25145487           |
| 2M                            | 253@2100           | 154.7<br>(203.9)   | 5234955<br>5235700(1)          | 7570050        |                                |
| 3M                            | 253@2100           | 154.7<br>(203.9)   | 5234955<br>5235700(1)          | 7570050        |                                |

(1) Fuel injector part number 5235700 replaces injector part number 5234955 effective with Running Change No. 27.

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