

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-276-17

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

NISSAN DIESEL MOTOR CO., LTD

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-45-9;

IT IS ORDERED AND RESOLVED: That the following 1997 model-year Nissan Diesel Motor Co., Ltd. diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
VND254C6DAAA	4.2 (254)	Turbocharger Charge Air Cooler Oxidation Catalytic Converter

Engine models and codes are listed on attachments.

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

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

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

<u>Engine FAMILY</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
VND254C6DAAA	0.3	1.1	3.3	0.09

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.).

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 7th day of January 1997.



for R. B. Summerfield, Chief
Mobile Source Operations Division

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HEAVY-DUTY DIESEL-STANDARD ENGINESPage

Manufacturer: NISSAN DIESEL MOTOR CO., LTD. Engine Family: VND254C6DAAA
 Displacement: 4.169 / Liters 254 / Cubic Inches
 All Eng Codes in Eng Family: CA 49S 50S Strokes/Cycle: 4 Valves/Cylinder: 2
 Ignition: Compression Compression with Glow Plug Spark
 Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Bi-Fuel Diesel CNG
 LNG LPG M85 M100 Other (specify)
 Diesel Cert Fuel: 13 CCR 2282 , 40 CFR 86.1313-90 40 CFR 86.1313-94
 Maximum Rated Power: 140 HP @ 3500 RPM Engine Configuration:
 Exhaust ECS (e.g., OC, EGR, PTOX, IFI, TC, CAC): TC, CAC, OC
 (Use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ ₃ Rated HP mm / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
TD42T1 (TD42T1)	140 HP @3500 RPM	55.5 (64.2)	Fuel Pump a* 16700 09D63 b* 16700 10D63 Injector 16600 09D60			Catalyst 20800 09D61

a* and b* ----- No difference exists with regard to the emission-related specifications of the injection pump component between these two injection pump assembly part numbers.

a* : for Manual Transmission
b* : for Automatic Transmission

Date Issued: 12/5/96

Revisions: