

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-276-18

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>
VND423D6DAAA	6.9 (423)	Turbocharger Charge Air Cooler Oxidation Catalytic Converter Engine Control Module

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>
VND423D6DAAA	1.2	5.1	4.7	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 7<sup>th</sup> day of January 1997.



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

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HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer: NISSAN DIESEL MOTOR CO. LTD. Engine Family: VND423D6DAAA  
 Displacement: 6.925 /            Liters 423 /            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            H85            M100            Other (specify)             
 Diesel Cert Fuel: 13 CCR 2282            40 CFR 85.1313-90            40 CFR 86.1313-94   
 Maximum Rated Power: 210 HP @ 2800 RPM Engine Configuration: Inline 6  
 Exhaust ECS (e.g., OC, EGR, PTOX, IFI, TC, CAC):            ECM, TC, CAC, OC  
 (Use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ <sub>3</sub> Rated HP mm <sup>3</sup> / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
FESTA (FESTA)	210 HP @2800 RPM	94.8 ( 89.1 )	Fuel Pump 16713 Z6707 a* b* (16713 Z6564) c* 16713 Z6708 d* (16713 Z6565)  Injector 15600 Z5614	ECM (ECU) 25947 Z5504		Catalyst 20800 Z5501

Fuel Injection Pump Ass'y Number Change  
 ( ): 1996MY Fuel Injection Pump Ass'y Number

To change the configuration of the engine  
 stop lever with the fuel injection pump.

a\*, b\*, c\* and d\* ——— No difference exists with regard to the emission-related  
 specifications of the fuel injection pump component among these fuel injection  
 pump assembly part numbers.

a\*, b\*: for Manual Transmission  
 c\*, d\*: for Automatic Transmission

Date Issued: 12/5/96

Revisions: