

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-157

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

NAVISTAR INTERNATIONAL TRANSPORTATION 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 Navistar International Transportation Corporation 1994 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
RNV408D6DAAW (DT-408)	6.7 (408)	Turbocharger Oxidation Catalytic Converter Smoke Puff Limiter Charge Air Cooler

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>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 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>
RNV408D6DAAW	0.3	1.6	4.4	0.10

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, 1994.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
 HEAVY-DUTY DIESEL ENGINES

Manufacturer Navistar International Transportation Corp. Engine Family RNV408D6DAAW (DT-408)

Liter (CID) 6.7 (408) Fuel Type Diesel(.03%S) Engine Config. I-6

Exhaust ECS & Special Features(ECM/PCM, PTOX, IFI, etc.) EM DI TC SPL CAC OC  
 (Use abbreviations per SAE J1930 May91)

Engine Model (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm <sup>3</sup> /stroke (lbs/hr)	Fuel Pump & Injector P/N	ECM/PCM P/N	Part. Trap/ Catalyst P/N
A175 (A175)	175 @ 2600	83.4 (63.0)	Pumps 1819923C91 * 1823105C91A Nozzles 1822349C91 * 1820834C91		Catalyst 2104170C1
A190 (A190)	190 @ 2600	90.5 (78.8)	Pumps 1819922C91 * 1823106C91A Nozzles 1820836C92 * 1820834C91		

Revisions: \*3/38/94

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A175 (A175)	175 @ 2600	83.4 (63.0)	Pumps 1819923C91 1823105C91A Nozzles 1822349C91 1820834C91 * 1823757C91		Catalyst 2104170C1
A190 (A190)	190 @ 2600	90.5 (78.8)	Pumps 1819922C91 1823106C91A Nozzles 1820836C92 1820834C91 * 1823757C91		

Revisions: 3/18/94, \*5/17/94

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Exhaust ECS & Special Features(ECM/PCM, PTOX, IFI, etc.) TC, SPL, CAC, OC  
(Use abbreviations per **SAE J1930 May91**)

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A190 (A190)	190 @ 2600	90.5 (78.8)	Pump 1819922C91 Nozzle 1820836C92		

Revisions: