

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-135  
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 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 &amp; Special Features</u>
MNV07.3DAA1 (7.3L)	7.3 (443)	Indirect Diesel Injection

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>Nitrogen Oxides gm/bhp-hr</u>	<u>Particulates gm/bhp-hr</u>
MNV07.3DAA1	0.6	4.4	0.24

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 30<sup>th</sup> day of August, 1990.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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

Manufacturer Navistar International Transportation Corp. Engine Family (7.3L) MNV07.3DAA1  
 Liter (CID) (7.3) Engine Type V-8  
 Emission Control Sys. & Special Features IDI (per SAE J1930 dated June88)

Engine Model Eng. Code)	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP at RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Ident.
A185 (1)	Stanadyne 1813250C91 1813102C91 1813385C91 1813102C92	All Models CAV 1812042C91 1805803C91 & Stanadyne 1812042C91 1813345C91	185 @ 3300	58.5	1813343C3 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
A166 (2)	Stanadyne 1813255C91 1813112C91 1813390C91 1813112C92	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	166 @ 3300	53.5	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
A170 (3)	Stanadyne 1809096C92 1813460C91	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	170 @ 3000	57.5	1813344C3 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
A155 (4)	Stanadyne 1809083C92 1813465C91	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	155 @ 3000	52.0	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
A130 (5)	Stanadyne 1811303C92 1813470C91	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	130 @ 2700	45.3	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

Revisions: