

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-125  
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 1989 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 (Special Features)</u>
7.3LD	7.3 (445)	(Diesel Injection - Prechamber)

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	6.0	0.60

The following are the certification emission values for this engine family, except that compliance with the carbon monoxide emission standard has been demonstrated pursuant to the Code of Federal Regulations, Title 40, Part 85, Subpart A, Section 86.088-23(c)(2)(1):

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>	<u>Particulates gm/bhp-hr</u>
7.3LD	0.6	4.4	0.24

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

NAVISTAR INTERNATIONAL TRANSPORTATION CORPORATION EXECUTIVE ORDER A-4-125  
(Page 2 of 2)

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 18<sup>th</sup> day of July, 1988.



K. D. Drachand, Chief  
Mobile Source Division

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
 HEAVY-DUTY DIESEL ENGINES

Manufacturer Navistar International Transportation Corp. Engine Family 7.3LD  
 Liter (CID) 7.3 Engine Type Four Stroke, V-8  
 Emission Control Sys. and (Special Features) EM (DIP)

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP at RPM	Fuel Rate mm <sup>3</sup> /stroke (lbs/hr)	Maximum Rated Torque at RPM	Fuel Rate mm <sup>3</sup> /stroke (lbs/hr)
		All Models				
A185	Stanadyne 1813250C91 1813102C91 1809121C92	CAV 1812042C91 1805803C91 ↓ ↓ ↓	185 @ 3300	58.5 (86)	345 @ 1980	61.0 (54)
A170	Stanadyne 1809096C92 1809096C91	↓ ↓ ↓ ↓ ↓	170 @ 3000	57.5 (77)	332 @ 1600	58.8 (42)
A155	Stanadyne 1809083C92 1809083C91	↓ ↓ ↓ ↓	155 @ 3000	52.0 (70)	304 @ 1600	53.5 (38)
A130	Stanadyne 1811303C92 1811303C91	↓ ↓ ↓	130 @ 2700	45.3 (54.6)	272 @ 1600	47.0 (33.6)

Date of Issue \_\_\_\_\_ Revisions: