State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-145

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 1993 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

Engine Family	Displacement Liters	Displacement (Cubic Inches)	Exhaust Emission Control Systems and Special Features
PNV07.3DAA9 (7.3)	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 in grams per brake-horsepower-hour:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3	15.5	5.0	0.25

The following are the certification emission values for this engine family in grams per brake-horsepower-hour, except that compliance with the carbon monoxide emission standard has been demonstrated pursuant to Title 40, Code of Federal Regulations, Part 86, Subpart A, Section 86.088-23(c)(2)(i):

Engine Family	Hydrocarbons	Nitrogen Oxides	Particulates
PNV07.3DAA9	0.6	4.0	0.23

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 21st day of January, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

10-1-92

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Navistar International Transportation Corp. Engine Family PNVO7.3DAA9 (7.3)

Liter (CID) 7.3 (_____) Fuel Type Diesel Engine Config. V-8

Exhaust ECS & Special Features EM IDI
(Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Fuel Pump Mfr. P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke	Part. Trap/ Catalyst Mfr. P/N
		All Models			
A185	Stanadyne 1816523C91 1816521C91,92 1816697C91 1816696C91	Standyne 1816605C91 ↓ ↓ ↓ ↓	185 @ 3000	58.2	
A166	Stanadyne 1816574C91 1816522C91,92 1816699C91 1816698C91	↓ ↓ ↓ ↓ ↓ ↓	166 @ 3000	52.2	
A170	Stanadyne 1813460C93 1819636c91	↓ ↓ ↓ ↓	170 @ 3000	56.5	
A155	Stanadyne 1813465C93 8186625C92	↓ ↓	155 @ 3000	51.3	

Revisions: 2/5/92 per R/C-9301; 6/17/92 per R/C-9304,9305.
1290

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Exhaust ECS & Special Features EM IDI
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		All Models			
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	1816521C91	–			
	1816697C91	–			
	1816696C91	–			
		–			
A166	Stanadyne 1816574C91	–	166 @ 3000	52.2	
	1816522C91	–			
	1816699C91	–			
	1816698C91	–			
		–			
A170	Stanadyne 1813460C91	–	170 @ 3000	56.5	
		–			
		–			
A155	Stanadyne 1813465C91	–	155 @ 3000	51.3	
		–			

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