

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-110-1  
Relating to Certification of New Motor Vehicle Heavy-Duty Engines

NAVISTAR INTERNATIONAL 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 Corporation 1986 model-year diesel engines have shown compliance with the optional transient test procedure and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
6.9LD	420 (6.9)	(Diesel Injection - Prechamber)

Engine models and codes are listed on attachments.

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>
6.9LD	0.8	4.6


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).

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.

This Executive Order supersedes Executive Order A-4-110, dated October 30, 1985.

Executed at El Monte, California this 5<sup>th</sup> day of March, 1986.

  
K. D. Drachand, Chief  
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer Navistar International Corporation (was IHC) Page 1  
 Engine Family 6.9L CID(Liter)-Type 420 (6.9) V8  
 ECS and (Special Features) (DIP)

Engine Model	Fuel Injection Pump Mfr. Part Number (1)	Injector Mfr. Part Number	Maximum Rated hp and rpm	Fuel Rate @ Max. Hp mm <sup>3</sup> /stroke	Label ID
B175	Stanadyne/ 1807560C92	UTDS/CAV/ 180580C91 All Models	175 @ 3300	54.5	1809409C1 1809236C1 1809402C1
B165	Stanadyne/ 1807551C92 or 1809053C91		165 @ 3000	56.0	1809237C1 1809399C1
B155	Stanadyne/ 1805806C92 or 1809422C91		155 @ 3000	53.0	1809237C1 1809399C1

Date of Issue - Revised 12/20/85, 2/10/86

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