

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-173

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 1995 model-year Navistar International Transportation Corporation diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

| <u>Engine Family</u> | <u>Engine Displacement<br/>Liters (Cubic Inches)</u> | <u>Exhaust Emission Control<br/>Systems and Special Features</u> |
|----------------------|--|--|
| SNV444C8D0SA         | 7.3 (444)  | Turbocharger<br>Charge Air Cooler<br>Engine Control Module       |

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

| <u>Hydrocarbons</u> | <u>Carbon<br/>Monoxide</u> | <u>Nitrogen<br/>Oxides</u> | <u>Particulates</u> |
|---------------------|----------------------------|----------------------------|---------------------|
| 1.3                 | 15.5                       | 5.0                        | 0.10                |

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

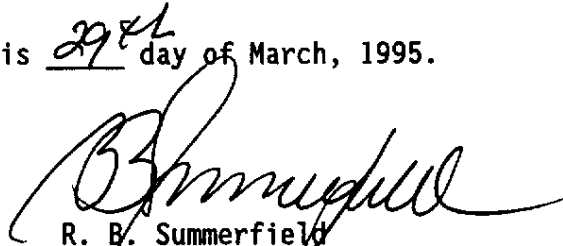
| <u>Engine<br/>Family</u> | <u>Hydrocarbons</u> | <u>Carbon<br/>Monoxide</u> | <u>Nitrogen<br/>Oxides</u> | <u>Particulates</u> |
|--------------------------|---------------------|----------------------------|----------------------------|---------------------|
| SNV444C8D0SA             | 0.6                 | 1.4                        | 4.9                        | 0.08                |

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 27<sup>th</sup> day of March, 1995.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL-STANDARD ENGINES

(T444HT)

Manufacturer Navistar International Transportation Corp. Engine Family SNV444C8D08A

Displacement: 7.3 /            Liters 444 /            Cubic Inches

Maximum Rated Power: 230 HP @ 2300 RPM Engine Configuration: V-8

Ignition: Compression X Compression with Glow Plug            Spark           

Fuel Type(s): Dedicated            Flex-Fuel            Dual-Fuel            Diesel X M100            M85           

CNG            LNG            LPG            Other (specify)           

Diesel Cert Fuel: 13 CCR 2282            40 CFR 86.1313-90            40 CFR 86.1313-94 X

Primary Intended Service Class: LHD X MHD            HHD            Urban Bus           

Exhaust ECS (incl. MFI TC, CAC): ECM TC CAC  
(Use abbreviations per SAE J1930 SEP91)

| Engine Mode<br>(Eng. Code) | Rated HP<br>@ RPM | Fuel Rate<br>@ Rated HP<br>mm <sup>3</sup> /stroke<br>(lbs/hr) | Fuel Pump<br>& Injector<br>Part No.  | ECM/PCM<br>Part No.      | EGR<br>Valve<br>Part No. | PTOX /<br>Catalytic<br>Converter<br>Part No. |
|----------------------------|-------------------|--|--------------------------------------|--------------------------|--------------------------|--|
| A230C                      | 230 @ 2300        | *<br>80.1(82.1)  | <u>Injectors</u><br>1816187C2,<br>C3 | <u>ECMs</u><br>1807306C1 |                          |  |
| A210C                      | 210 @ 2300        | *<br>75.5(77.5)  | Same                                 | Same                     |                          |  |

Date Issued:

Revisions: