

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-165-A

Relating to Certification of New Medium-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 below for medium-duty vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8,501 to 14,000 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
SNV7.3C8DAAA (7.3DIT)	7.3 (444)	Turbocharger Oxidation Catalytic Converter Engine Control Module

Engine models and codes are listed on attachments.

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

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

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

<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
SNV7.3C8DAAA	0.2	1.2	4.8	0.09

BE IT FURTHER RESOLVED: That, pursuant to Title 13, California Code of Regulations, Section 1960.1(h)(1)(3), the listed vehicle models are certified to the exhaust emission standards and test procedures applicable to 1994 model-year heavy-duty diesel-cycle engines (Title 13, California Code of Regulations, Section 1956.8) based on a phase-in compliance plan submitted by the vehicle manufacturer.

BE IT FURTHER RESOLVED: That, based on the phase-in compliance plan submitted by the manufacturer, the listed vehicle models shall not be subject to the standards applicable to 1995 model-year medium-duty vehicles, set forth in Title 13, California Code of Regulations, Section 1960.1(h).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models are not subject to the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That, for the listed vehicle 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.).

Vehicle 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 11<sup>th</sup> day of July, 1994.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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(7.3DIT)

Manufacturer Navistar International Transportation Corp. Engine Family SNV7.3C8DAAADisplacement: 7.3 /          Liters 444 /          Cubic InchesMaximum Rated Power: 215 HP @ 3000 RPM Engine Configuration: V-8Ignition: 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 XPrimary Intended Service Class: LHD X MHD          HHD          Urban Bus         Exhaust ECS (incl. MFI TC, CAC): EM, DI, TC, OC, ECM  
(Use abbreviations per SAE J1930 SEP91)

Engine Mode (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP $\text{mm}^3/\text{stroke}$ (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
A215	215 @ 3000	73.8 (93.7)	<u>Injectors</u> 1816187C2, C3	<u>ECMs</u> F5TF-12A650BJC F5TF-12A650BJE F5TF-12A650BTD F5TF-12A650BHD F5TF-12A650BJF F5TF-12A650BTE F5TF-12A650BHE F5FF-12A650-XA		Catalyst 1822856C1 * 1822888C1 * 1820589C1 * 1823547C1 * 1823548C1 * 1823549C1

Date Issued: 7/11/94

Revisions: 9/27/94 | 10/06/94 | 10/28/94 | \*4/17/95 |          |