

*E.O. Book*

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-63  
Relating to Certification of New Motor Vehicles

INTERNATIONAL HARVESTER COMPANY

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100 and 43102; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3;

IT IS ORDERED AND RESOLVED: That International Harvester Company exhaust emission control systems for 1979 model-year diesel-powered medium-duty vehicles are certified for the vehicles described below:

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u> |
|----------------------|--------------------------------------|--|
| SD-331               | 198                                  | Exhaust Gas Recirculation                                      |

Vehicle Models, Transmissions and Engine Codes as listed on attachments.

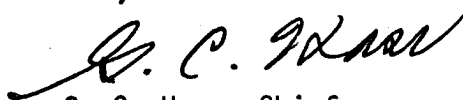
The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

| <u>Engine Family</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|----------------------|--|---|---|
| SD-331               | 0.6                                    | 2   | 1.5                                       |

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 19 day of July, 1978.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer International Har. Executive Order No. A-4-63 Page 1

Engine Family SD-331 Engine (CID) 198

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
EI-Electronic Ignition  
ESAC  
VA-Vacuum Advance  
VR-Vacuum Retard

Exhaust Emissions Control System

AI-Air Injection  
CCAV-Comb. Chamber Air Valve  
EFI-Electronic Fuel Injection  
EGR-Exhaust Gas Recirculation  
EM-Engine Modification

OC-Oxidation Catalyst  
PAI-Pulse Air Injection  
TC-Turbo Charged  
TR-Thermal Reactor  
TWC-Three Way Catalyst  
(Feedback Control)  
WOC-Warm-up Oxidation  
Catalyst

Fuel System

EFI, MFI  
nV-nVenturi Carburetor  
VV-Variable Venturi

ESAC-Electronic Spark Advance  
Control  
MFI-Mechanical Fuel Injection

Vehicle Model

Scout II 4x2  
Traveler 4x2  
Scout II 4x4  
Traveler 4x4  
Terra 4x4

Passenger Cars       Light-Duty Trucks       Medium-Duty Vehicles

Manufacturer INTERNATIONAL HARVESTER COMPANY

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Engine Family SD-331 (Nissan)      Engine (CID) 198

Engine

Code 1,2

Emission Control System EGR      + 10% (A/C)

Yes  No

| Eng. Code | Vehicle Models (If Coded see attachment)                                  | Trans. | Inertia Weight Class (Axle Ratio)* | Diesel Injection Pump Control Parameters CA                     | Diesel Injector Nozzle                                 | EGR Valve                              | Tune-up Specification<br>(1) Basic Injection Timing<br>(2) Idle Speed  |
|-----------|---|--------|------------------------------------|---|--|--|--|
| 1,2       | Scout II 4x2<br>Traveler 4x2<br>Scout II 4x4<br>Traveler 4x4<br>Terra 4x4 | M-4    | 4500<br>(3.73)                     | Diesel Kiki Co. Ltd.<br>16700-90911<br><br>IH Part # 499947-C91 | Diesel Kiki<br>16600-90019<br><br>IH Part # 486813-C91 | 14100-90000<br><br>IH Part # 499949-C1 | (1) 20° BTDC at static rpm. preset by engine vendor, not adjusted unless pump service is required.<br><br>(2) 700-750 rpm in neutral |

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

\*Axle ratio is that of medium duty certification vehicle.

Note:

Engine code 1 with A/C

Engine code 2 without A/C

Date of Issue -