E.O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-61
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, 43102, 43103, and 43835; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

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

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
V-304	304	Air Injection Oxidation Catalyst Exhaust Gas Recirculation

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families 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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
V-304	0.7	11	1.9

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles except Motorcycles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

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

G. C. Hass, Chief
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer **International H.** Executive Order No. **A-4-61** Page 1

Engine Family **V-304** Engine (CID) **304**

ABBREVIATIONS

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

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

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

ESAC-Electronic Spark Advance Control
MFI-Mechanical Fuel Injection

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

Vehicle Model
Scout II 4x4
Scout II 4x2
Terra 4x4
SS II 4x4
Traveler 4x2
Traveler 4x4

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1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium-Duty Vehicles

Manufacturer International Harvester Company Page 1A

Engine Family V-304 Engine (CID) 304 Engine Code 1M

Emission Control System AI, EGR, OC + 10% (A/C) Yes ___ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. Control Parameters CA, VA, EI	Fuel System Type: 1-2V Mfgr. Part Number	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
1M	Scout II 4x4 Terra 4x4 Traveler 4x4	M-3	4500 (3.54)	Prestolite IDN-4002R	Holley List 7773	Rochester 17061716	(1) TDC @ 700 RPM Disconnect vacuum advance line from distributor and plug line.
		M-4	4500 (3.54) (3.07)	IH Part # 496004-C91	IH Part # 480799-C91		
	Scout II 4x2 SS II 4x4 Traveler 4x2		4500 (3.07) 4500(3) (3.54)			No service	(2) 0.1 - 0.8% CO, 60 RPM Speed Drop. When makine idle adjustments disconnect vacuum hose from vapor storage canister and plug end of hose.
		M-3	4500(1) (3.54) 4000(2) (3.54)				
			4000 (4.09)* for testing purposes only				(3) 700 ± 25 RPM Idle speed and fuel mixture adjustments must be made with parking brake applied, air cleaner in place, transmission in neutral and air conditioning "off".

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.

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3.54 standard axle ratio not available with the following model, transmission, inertia weight combinations.
(1) Scout II 4x2 and SS II 4x4, M-3, 4500
(2) Traveler 4x2, M-3, 4000
(3) Scout II 4x2 and Traveler 4x2, M-4, 4500

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1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium-Duty Vehicles

Manufacturer International Harvester Company

Page 1B

Engine Family V-304 Engine (CID) 304 Engine Code 1A, 2A

Emission Control System AI, EGR, OC + 10% (A/C) Yes ___ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. Control Parameters CA, VA, EI	Fuel System Type: 1-2V Mfgr. Part Number	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
1A	Traveler 4x2 Scout II 4x4 Terra 4x4 Traveler 4x4	A-3	4500 (3.07)*	Prestolite IDN-4002R	Holley List 7773	Rochester 17061717	(1) TDC @ 700 RPM Disconnect vacuum advance line from distributor and plug line. (2) 0.1-0.8% CO, 60 RPM Speed Drop. When making idle adjustments disconnect vacuum hose from vapor storage canister and plug end of hose. (3) 700 ± 25 RPM Idle speed and fuel mixture adjustments must be made with parking brake applied, air cleaner in place, transmission in neutral and air conditioning "off".
	Scout II 4x2 SS II 4x4		4000 (3.07)	IH Part # 496004-C91	IH Part # 480799-C91	No service	
2A	Scout II 4x2 Traveler 4x2 Scout II 4x4 Terra 4x4 Traveler 4x4		4500 (3.07)				

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.

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1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[ ] Passenger Cars [ ] Light-Duty Trucks [X] Medium-Duty Vehicles

Manufacturer International Harvester Company Page 1C

Engine Family V-304 Engine (CID) 304 Engine Code 2M

Emission Control System AI, EGR, OC + 10% (A/C) Yes ___ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. Control Parameters CA, VA, EI	Fuel System Type: 1-2V Mfgr. Part Number	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
2M	Scout II 4x4 Terra 4x4 Traveler 4x4	M-3	4500 (3.54)	Prestolite IDN-4002R	Holley List 7773	Rochester 17061716	(1) TDC @ 700 RPM Disconnect vacuum advance line from distributor and plug line. (2) 0.1-0.8% CO, 60 RPM Speed Drop. When making idle adjustments disconnect vacuum hose from vapor storage canister and plug end of hose. (3) 700 ± 25 RPM Idle speed and fuel mixture adjustments must be made with parking brake applied, air cleaner in place, transmission in neutral and air conditioning "off".
		M-4	4500 (3.54)* 4500 (3.07)*	IH Part # 496004-C91	IH Part # 480799-C91	No Service	
	Scout II 4x2 Traveler 4x2	M-3	4500 (3.54)				
		M-4	4500 (3.07)				

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.

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