

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:

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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.

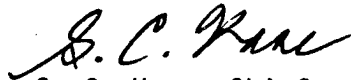
INTERNATIONAL HARVESTER COMPANY

EXECUTIVE ORDER A-4-61
(Page 2 of 2)

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 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

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)

Fuel System

EFI, MFI
 nV-nVenturi Carburetor
 VV-Variable Venturi

ESAC-Electronic Spark Advance
 Control

MFI-Mechanical Fuel Injection

WOC-Warm-up Oxidation
 Catalyst

Vehicle Model

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

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A 4 - 61

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 IH Part # 496004- C91	Holley List 7773 IH Part # 480799- C91	Rochester 17061716 No service	(1) TDC @ 700 RPM Disconnect vacuum advance line from distributor and plug line. (2) 0.1 - 0.8% CO, 60 RPM Speed Drop. When make 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) (3.07)				
	Scout II 4x2 SS II 4x4 Traveler 4x2	M-3	4500 (3.07) 4500(3) (3.54)				
			4500(1) (3.54) 4000(2) (3.54)				
			4000 (4.09)* for testing purposes only				

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.

Date of Issue -

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

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A 4-61

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

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
1A	Traveler 4x2 Scout II 4x4 Terra 4x4 Traveler 4x4	A-3	4500 (3.07)*	Prestolite IDN- 4002R	Holley List 7773	Rochester 17061717	(1) Basic Timing (2) Idle Mixture (3) Idle Speed
	Scout II 4x2 SS II 4x4		4000 (3.07)	IH Part # 496004- C91	IH Part # 480799- C91	No service	(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 dis- connect vacuum hose from vapor storage canister and plug end of hose.
2A	Scout II 4x2 Traveler 4x2 Scout II 4x4 Terra 4x4 Traveler 4x4		4500 (3.07)				(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.

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Date of Issue -

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A 4 - 61

Passenger Cars Light-Duty Trucks 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)*				
	Scout II 4x2 Traveler 4x2	M-3	4500 (3.54)	IH Part # 496004- C91	IH Part # 480799- C91	No Service	
		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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