

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-1
Relating to Approval of New Motor Vehicles

INTERNATIONAL HARVESTER COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That International Harvester Company exhaust emission control systems for gasoline engines for 1973-model year heavy-duty motor vehicles are approved for the engine families described below:

<u>Engine Family</u>	<u>Engine Size (cubic inches)</u>	<u>Exhaust Emission Control System</u>	<u>Engine Models</u>
V-304	304	Engine Modification and Exhaust Gas Recirculation	V-304
V-345	345	Engine Modification and Exhaust Gas Recirculation	V-345
V-392	392	Engine Modification	V-392
RD-406	406	Engine Modification	RD-406
LV-8	401	Engine Modification	V/VS-401
	478	Engine Modification	V/VS-478
	549	Engine Modification	V/VS-549 FTV/FTVS-549

Section 39152, Part 1, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The following are recommended values to be listed on the decal:

<u>Engine Family</u>	<u>Hydrocarbons plus Nitrogen Dioxide Grams/Brake Horsepower-Hour</u>	<u>Carbon Monoxide Grams/Brake Horsepower-Hour</u>
V-304	9.6	36
V-345	15.3	35
V-392	9.5	22
RD-406	10.7	33
LV-8	13.7	37

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Supplemental information sheets are attached to this order which includes tune-up specifications and emission control system data.

It is requested that International Harvester Company inform the Air Resources Board of any production changes which will affect emissions.

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

Executed at Sacramento, California, this 7 day of December, 1972.

JOHN A. MAGA
Executive Officer

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION

1973-Model Year
Engines for Heavy-Duty Vehicles

Manufacturer:
INTERNATIONAL HARVESTER COMPANY

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Engine Model	Engine C.I.D..	Carburetor No. of Venturi	Engine Family	Tune-Up Specifications	
				Idle RPM	Basic Timing Idle CO or AFR
V-304	304	2V	V-304	650-700 in Neutral	TDC @ 700 RPM in Neutral 1.0-2.0% CO
V-345	345	2V	V-345	650-700 in Neutral	TDC @ 700 RPM in Neutral 1.0-1.5% CO
V-392	392	4V	V-392	650-700 in Neutral	TDC @ 700 RPM in Neutral 1.0-2.0% CO
RD-406	406	2V	RD-406	500-550 in Neutral	5° BTDC @ 500 RPM in Neutral 2.5-3.5% CO
V/VS-401	401	4V	LV-8	600-650 in Neutral	7° BTDC @ 600 RPM in Neutral 0.5-2.5% CO
V/VS-478	478	4V	LV-8	500-550 in Neutral	7° BTDC @ 500 RPM in Neutral 0.5-2.5% CO
V/VS-549	549	4V	LV-8	500-550 in Neutral	7° BTDC @ 500 RPM in Neutral 1.0-3.0% CO
FTV/FTVS-549	549	4V	LV-8	500-550 in Neutral	9° BTDC @ 500 RPM in Neutral 1.0-3.0% CO

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 SUPPLEMENTAL INFORMATION
 1973-Model Year

Engines for Heavy-Duty Vehicles

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Engine Model	Engine C.I.D. No.	Carburetor No. of Venturi	Distributor Make & No.	Type Adv.*	HOLLEY Carburetor Make No.	Emission Control System #			
						Exhaust	NOx	Evap. Other	
V-304 V-304G	304	2V	Holley 427908-C91 448509-C91 448510-C91	C-V	441192-C91 441195-C91	EM	EGR	Canister	TLD
V-345 V-345G	345	2V	Holley 427908-C91 448511-C91 448512-C91		441192-C91 441196-C91				TLD
V-392 V-392G	392	4V	Holley 379282-C91 427965-C91 427967-C91		442166-C91 442167-C91 442170-C91				
RD-406	406	2V	Delco Remy 442137-C91	C	442258-C91				TLD
V/VS-401 V/VS-478	401 478	4V 4V	Holley 401031-C91 401035-C91		442259-C91 427197-C91				
V/VS-549 and FTV/FTVS-549	549	4V	Holley 401030-C91 401033-C91 413377-C91		442260-C91				TLD

**TLD = Throttle Limiting Device
 EM = Engine Modification System
 EGR = Exhaust Gas Recirculation
 G = Governed speed version

* C-Centrifugal
 V-Vacuum
 VR-Vacuum Retard