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State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-53  
Relating to Certification of New Motor Vehicle Engines

INTERNATIONAL HARVESTER COMPANY

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 International Harvester Company 1978 model-year gasoline-powered engines in heavy-duty motor vehicles are certified for the engine family, codes and models described below:

<u>Family</u>	<u>Engine Size (CID)</u>	<u>Exhaust Emission Control System</u>
V-345C	345	Air Injection and Exhaust Gas Recirculation

Models and Engine Codes as listed in attachment.

Section 43200, Part 5, 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 decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<u>Engine Family</u>	<u>HC + NOx gm/bhp-hr</u>	<u>CO gm/bhp-hr</u>	<u>HC gm/bhp-hr</u>	<u>NOx gm/bhp-hr</u>
V-345C		18	0.9	5.6

Engines 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 12 day of August, 1977.

*G. C. Hass*

G. C. Hass, Chief  
Vehicle Emissions Control Division

## 1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer International Harvester Co. Executive Order No. A-4-53 Page 1Engine Family V-345C Engine (CID) 345 Calibration Emission Control System AI, EGR

Code	Engine Models	Distributor Type Mfgr. Part No.	Fuel System Type 1-2V Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
1&2 3&4	V-345	Holley Prestolite 483492-C91 483493-C91 Cent. only	Holley 476113-C91  487858-C91	472207-C1 I-12,000 mi	(1) TDC @ 675 RPM (2) 1.0 - 3.0% CO (3) 625 - 675 RPM
		Holley-Pres. 483423-C91 Cent. & Vac. Prestolite 484785-C91	483449-C91  487857-C91	480825-C1	(1) 5° BTDC @ 675 RPM (2) 0.5 - 1.5 CO (3) 625 - 675 RPM
1&2		Prestolite 484786-C91  cent. only	see codes 1 and 2 above	see codes 1 and 2 above	see codes 1 and 2 above.

**Comments**

Added new carburetor part numbers per running change #7801.  
Added optional prestolite distributors per running change #7803.

**Date of Issue****Abbreviation****Distributor**

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

EI-Electronic Ignition

**Exhaust Emission Control System**

AI-Air Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

OC-Oxidation Catalyst

**\*Service**I-Inspect, repair, replace  
as needed

R-Replace