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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-51
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 families, codes and models described below:

| <u>Family</u> | <u>Engine Size (CID)</u> | <u>Exhaust Emission Control System</u> |
|---------------|------------------------------|--|
| V-392C | 390.9 | Air Injection, Exhaust |
| MV-8C | 399.8 | Gas Recirculation, |
| | 446.7 | Engine Modification |

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.

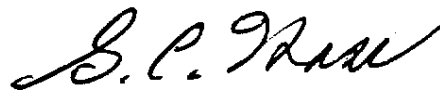
The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

| <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-392C | | 17 | 0.7 | 7.1 |
| MV-8C | | 23 | 1.0 | 7.5 |

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, Chief
Vehicle Emissions Control Division

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

Manufacturer International Harvester Co. Executive Order No. A-4-51 Page 1Engine Family V-392C/MV-8C Engine (CID) 391, 400, 446 Calibration _____Emission Control System AI, EGR, EM

| Code | Engine Models | Distributor | Fuel System | EGR System | Tune-Up Specifications |
|------|---------------|--|--|---------------------------|---|
| | | Type C,V | Type T | | |
| | | Mfgr. Part No. | Mfgr. Part No. | Part No. Service* | (1) Basic Timing (2) Idle Mixture (3) Idle Speed |
| 1,2 | V-392 | Holley Prestolite 467034-C91 467035-C91 | Holley 476056-C91 4V 487859-C91 | 480824-C1 I-12,000 mi. | (1) TDC @ 675 RPM (2) 0.5 - 1.5% CO (3) 625 - 675 RPM |
| 1 | MV-404 | Holley Prestolite 446916-C92 446921-C92 Prestolite 484790-C91 | 476109-C91 2V 487860-C91 | 446981-C1 I-12,000 mi. | (1) 9° BTDC @ 575 RPM (2) 0.5 - 2.5% CO (3) 525 - 575 RPM - Man. Tr. 625 - 675 RPM - Auto. Tr. |
| 2 | | Holley Prestolite 446920-C92 446921-C92 | 476057-C91 481872-C91 2V 487861-C91 | | |
| 3 | | Holley Prestolite 446916-C92 Prestolite 484790-C91 | 476058-C91 481873-C91 487862-C91 4V | 440312-C1 I-12,000 mi | |
| 4 | MV-446 | Holley Prestolite 446917-C92 446918-C92 Prestolite 484792-C91 | 461313-C92 4V 487863-C91 | | (1) 5° BTDC @ 575 RPM (2) & (3) Same as MV-404 |
| 1,2 | V-392 | Prestolite 484788-C91 | see above V-392 | see above V-392 | see above V-392 |

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

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

Manufacturer International Harvester Co. Executive Order No. A-4-51 Page 2Engine Family V-392C Engine (CID) 391 Calibration _____Emission Control System AI,EGR,EM

| Code | Engine Models | Distributor Type C,V Mfgr. Part No. | Fuel System Type 1 Mfgr. Part No. | EGR System Part No. Service* | Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed |
|------|---------------|---|--|---------------------------------|--|
| 1,2 | V-392 | Holley Prestolite 467034-C91 467035-C91 Prestolite 484788-C91 | Holley 476056-C91 4V 487859-C91 487859-C92 | 480824-C1 I-12,000 mi. | (1) TDC @ 675 RPM (2) 0.5 - 1.5% CO (3) 625 - 675 RPM |

Comments

Added new carburetor part number for E.F. V-392C per running change #7815.

Date of Issue

Abbreviation

Distributor

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Exhaust Emission Control System

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EGR-Exhaust Gas Recirculation

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as needed

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