

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-31-16  
Relating to Certification of New Motor Vehicle Heavy-Duty Engines

HINO MOTORS, LTD.

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 the following Hino Motors, Ltd. 1986 model-year diesel engines have shown compliance with the optional transient test procedure and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GHM0060DAAO	367 (6.0)	Engine Modification (Diesel Injection - Direct)

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide. gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
GHM0060DAAO	1.0	4.6	4.8

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 30<sup>th</sup> day of October, 1985.



K. D. Drachand, Chief  
Mobile Source Division

01.00.00 1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1

Manufacturer HINO MOTORS, LTD Executive Order No. A-31-16  
 Engine Family GHM0060DAA0 Evaporative Family NA  
 Engine CID (Liters) 367(6.014)

## ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance  
 Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TOC-Trap Oxidizer Continual  
 TOP-Trap Oxidizer Periodical  
 TR-Thermal Reactor  
 TWC-Three-Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EFI-Electronic Fuel Injection  
 IC - Intercooler  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

VEHICLE MODELS:

DRIVE SYSTEM: NA Engine/ NA -Wheel Drive

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1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer HINO MOTORS, LTD.

Page 2

Engine Family GHM0060DAA0 CID(Liter)-Type 367 (6.014) - L6

ECS and (Special Features) ENGINE MODIFICATION

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Ident.
W06E-C	Diesel KiKi 22000-4990	Diesel KiKi 23600-1730	150 3,000	61	W06E-C  Calif. & 49 States

Date of Issue -