

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-31-14  
Relating to Certification of New Motor Vehicle 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. 1985 model-year diesel engines have shown compliance with the optional transient 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>
FHM0065EAA1	396	(6.5)	Engine Modification (Diesel Injection - Direct) (Turbocharged)
FHM0067DAA6	411	(6.7)	Engine Modification (Diesel Injection - Direct)
FHM0094DAA9	575	(9.4)	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>
FHM0065EAA1	0.9	1.9	4.8
FHM0067DAA6	0.7	3.2	4.5
FHM0094DAA9	0.6	2.2	4.3

HINO MOTORS, LTD.

EXECUTIVE ORDER A-31-14  
(Page 2 of 2)

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 19<sup>th</sup> day of September, 1984.

  
K. D. Drachand, Chief  
Mobile Source Division



1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINESA-31-14Manufacturer HINO MOTORS, LTD.Page 2Engine Family FHM0065EAA1 CID(Liter)-Type 396 (6.485)-L6ECS and (Special Features) ENGINE MODIFICATION (DID, TC)

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.
H06C-TD	Nippon Denso 22010-3781	Nippon Denso 23610-1412	175@ 3,000	73	H06C-TD Calif. & 49 States

Date of Issue -

E.O. #A - 31-14

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Page 3

Manufacturer HINO MOTORS, LTD.

Engine Family FHM0067DAA6

CID(Liter)-Type 411 (6.728) - L6

ECS(Special Features) ENGINE MODIFICATION (DID)

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.
H07C-C	Nippon Denso 22010-4050	Nippon Denso 23610-1390	155@ 3,000	67	H07C-C Calif. & 49 States

Date of Issue -

E.O. #A-31-14

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Page 4

Manufacturer HINO MOTORS, LTD.

Engine Family FHM0094DAA9

CID(Liter)-Type 575(9.419) - L6

ECS(Special Features) ENGINE MODIFICATION (DID)

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.
EM100F	Nippon Denso 22010-4100	Nippon Denso 23610-1430	190@ 2,700	88	EM100F Calif. & 49 States

Date of Issue -