State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-76 Relating to Certification of New Motor Vehicles

HONDA MOTOR CO., LTD.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1989 model-year Honda Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family		splacement (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
KHN2.0V5FSCO	2.0	(119)	Oxygen Sensor Exhaust Gas Recirculation Three-Way Catalyst (Electronic Port Fuel Injection) (On-Board Diagnostics)

Vehicle models, transmissions, engine codes and evaporative emission control familles are listed on attachments.

The following are the emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)		
0.39	7.0	0.4		

The following are the certification emission values for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)		
0.23	2.6	0.3		

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1985) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Maifunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, Callfornia Administrative Code, Section 2035 et seq.).

Vehicles 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 and attachment.

Executed at El Monte, California this 2th day of August, 1988.

K. D. Drachand, Chief Mobile Source Division

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1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer	HONDA	Engine Family	KHN2.0V5FSC0
Evaporative Family	89FG	Engine Type	<u>1 - 4</u>
•		Liters (CID)	2.0 (119)
ABBREVIATIONS			
Ignition System	E	Exhaust Emissions Control System	Special Features
CA-Centrifugal Advance ECU-Electronic Control EI-Electronic Ignition ESAC-Electronic Spark A Control VA-Vacuum Advance VR-Vacuum Retard Fuel System CFI, EPFI, MPFI, SFI, DID, DIP, HOS, OS nV-nVenturi Carburetor VV-Variable Venturi Car	Unit A E dvance E S T T D O T W W O H	AIP-Air Injection - Pump AIV-Air Injection - Valve EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control (Diesel Only) EM-Engine Modification EPL-Smoke Puff Limiter or Throttle Delay EOC-Trap Oxidizer, Continual EOP-Trap Oxidizer, Periodical EDEC-Dual Bed Catalyst ECC-Oxidation Catalyst EWC-Three-way Catalyst EWC-Three-way Catalyst EVUTWC-Warm-Up Three-Way Catalyst EVUTWC-Warm-Up Three-Way Catalyst EOS-Oxygen Sensor EOS-Heated Oxygen Sensor	CFI-Central Fuel Injection or Throttle Body Injection EPFI-Electronic Port Fuel Injection MPFI-Mechanical Port Fuel Injection SFI-Sequential Fuel Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber TC-Turbocharger SC-Supercharger IC-Intercooler or Aftercooler CCV-Combustion Chamber Valve OBD-On-Board Diagnostics
VEHICLE MODELS:			
Prelude Si			
Engine : Front X	Mid.	Rear	
Drive : FWD X	_	•	WD Part Time

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ISSUED: 05/31/88

1020	ATD	PECULIPCEC	ROARD	SUPPLEMENTAL.	DATA	CUPPT
1303	AIR	REDUURLED	DUARD	SUFFLEMENTAL	UALA	ABE.E.I

E.	0	•	#	<u>A</u>	_	2	<u>3</u> -	<u>- /</u>	6

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Manufact Liter (C	CID) 2.0 ((119)		Medium-Duty Vehicles Gas X Diesel Engine Family KHN2.0V5FSC0 Engine Type I - 4 OS, EGR, TWC, (EPFI, OBD)				
Engine Code	Vehicle Models (If Coded see attachment) *(Dyno HP)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No. (Vendor's)	Fuel System Part No. (Vendor's)	EGR Valve Part No. (Vendor's)	Catalyst Part No. (Vendor's)	
KS1/1		M 5		ECU:	EPFI ECU: 37820-PK2 -6850 (37820-PK2 -685)			
KS3/1	- Prelude Si	! L4	3000	EI & ESAC Igniter Unit: 30550-PH3 -0040 (MPS-205) ECU: 37820-PK2 -6950 (37820-PK2	EPFI ECU: 37820-PK2 -6950 (37820-PK2 -695)	18710-PK2 -6610(10G)	18150-PK2 -L010(HCZ)	

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing. Add 10% to dyno test HP for air conditioning usage.

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*:	Please	refer	to	page	08-1.1	in	1989	App.	licat:	lon
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Date of Issued ______ 05/31/88 Revisions: