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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-52 Relating to Certification of New Motor Vehicles

FUJI HEAVY INDUSTRIES 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 1988 model-year Fuji Heavy Industries Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family		splacement (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JFJ1.8T2HCG6	1.8	(109)	Air Injection - Valve Exhaust Gas Recirculation Three-Way Catalyst Oxidation Catalyst Oxygen Sensor

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

The following are the emission standards for this engine family:

Loaded Vehicle Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
0-3750	0.41	9.0	1.0

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

Loaded Vehicle Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3750	0.33	6.4	0.2

BE IT FURTHER RESOLVED: That the listed models in the 0-3750 loaded vehicle weight class were certified to the optional NOx emission standard thereby aking the vehicle manufacturer subject to Section 1960.1.5 of Title 13, Galifornia Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer. FUJI HEAVY INDUSTRIES LTD.

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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 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction 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, California 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. (s^M

Executed at El Monte, California this

day of July, 1987.

K. D. Drachand, Chief Mobile Source Division

Attachment 3

198 8 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # <u>A-2-52</u>

Ma fac Fuji Heavy II	Ma Yaa - Fuji Heavy Industries Ltd.			CG6
Evaporative Family	U	Engine Type	н04	
		Liters (CID)	1.8 liters	(109)
ABBREVIATIONS				
ignition System	<u>Exhaust</u> Επ	issions Control S	System	Special Features
CA-Centrifugal Advance ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard CFI, CL, DID, DIP, EFI, MFI nV-nVenturi Carburetor <u>VEHICLE MODELS:</u> AF5: 2-door Hatchback 4WD AUS: BRAT 4WD	AIV-Air Ir DBC-Dual E EGR-Exhaus EIC-Electr EM-Engine OC-Oxidati OS-Oxygen HOS-Heated SPL-Smoke Throttle TOC-Trap (TWC-Three- WUOC-Warm	d Oxygen Sensor Puff Limiter or	al cal alyst	CCV-Combustion Chamber Valve CFI-Central Fuel Injection or Throttle Body Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber EFI-Electronic Fuel Injection IC-Intercooler or Aftercooler MFI-Mechanical Fuel Injection OBD-On-Board Diagnostics TC-Turbocharger

RWD _____ 4WD Full Time ____ 4WD Part Time X

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Crive: FWD

Ergine: Front <u>X</u> Mid. ____ Rear_____

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k	1988 AIR RESOURCES	BOARD SUPPLEMENTAL DA		· # A-2-52
rs_	Light-Duty Trucks	Medium-Duty Vehicl	es Gas	Page <u>x</u> Diesel
	Fuji Heavy Industries Ltd.			
Liter (CID)	1.8 Liters (109)	Eng. Type	HO4	
Emission Control	Sys. (Special Features) _	AIV, OS, EGR, OC(1),	TWC(1)	

Engine Vehicle Models Code (If Coded see attachment) (Dyno Hp) (1.8T2CGM AF5 (9.0) AU5 (9.5)	e Type	Equiv. Test Weight	Ign. System (ECU) CA, EI, VA Part No.	Fuel System	EGR Valve	Catalyst
11.872CGM AF5 (9.0)				Part No.	Part No.	Part No.
Domments: See page one f	M4	2625 (2500)# 2625	Distributor: Nippondenso 100291-0300 Fuji's Part No. `429879000	Hitachi DCP306-24 Fuji's Part No. 429979550	Atsugi AEY78-14 Fuji's Part No. 14710AA251	Fuji's Par No. Front: 461088500 or 461088501 Rear: 461087600

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