State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-60 Relating to Certification of New Motor Vehicles

FUJI HEAVÝ 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 1989 model-year Fuji Heavy Industries 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)
KFJ1.2V2HCCX	1.2	(73)	Air Injection - Valve Exhaust Gas Recirculation Oxygen Sensor Oxidation Catalyst Three-Way Catalyst (On-Board Diagnostics)

Vehicle models, transmissions, engine codes and evaporative emission control families 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)	
0.41	7.0	0.7	

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	4.1	0.4	

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California 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.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "in lieu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

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 also comply with 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.

Executed at El Monte, California this

day of August, 1988.

K. D. Drachand, Chief Mobile Source Division

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer Fuji Heavy Indus	tries Ltd. Engine Family KF3	11.2V2HCCX
Evaporative FamilyJU	Engine Type	IL3
	Liters (CID) 1.2	Liters (73)
ABBREVIATIONS		
Ignition System	Exhaust Emissions Control 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, EPFI, MPFI, SFI, DID, DIP, HOS, OS nV-nVenturi Carburetor VV-Variable Venturi Carburetor	AIP-Air Injection - Pump AIV-Air Injection - Valve EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control	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:		
KA7; Justy KA8; Justy 4WD		
•		
Engine: Front x Mid.	Rear	
ve: FWD x RWD	4WD Full Time	4WD Part Time x

B.O. # A-2-60

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

						Pa	ge	
Cars	_x Ligh	t-Duty	Trucks _	Medium-Dut	y Vehicles	Gasx_	Diesel	
er _	Fuji Heavy	Indust	ries Ltd	Engine F	Pamily KPJ	1.2V2HCCX		
)	1.2 Liters	(73)		Eng.	Eng. Type IL3			
ontro	ol Sys. (Sp	ecial F	eatures)	AIV, OS, E	EGR, OC(1), TW	C(1), ZV		
(If at	Coded see tachment)	I .	Test	(ECU)	Fuel System 1-2V Part No.	EGR Valve	Catalyst Part No.	
1.2V2CCM KA7	(7.8/8.6)	M5	2125	Distributor:	DFC328-525 Fuji's Part	rt Fuji's Part	Fuji's Part No. Front: 20805KA120 Rear: 20805KA050	
KA8	(9.4/10.3)		2250	1				
KA7	(DL) (7.8/8.6)		No.		16010KA850			
KA7	(GL) (7.8/8.6)		2250	Electronic Control Unit:				
KA8	(9.4/10.3)		2375	No. 22601KA090				
KA7	(7.8/8.6)	CVT	2250					
	Vehi (If at KA7 KA8 KA7	Puji Heavy 1.2 Liters ontrol Sys. (Sp Vehicle Models (If Coded see attachment) (Dyno Hp) KA7 (7.8/8.6) KA8 (9.4/10.3) KA7 (GL) (7.8/8.6) KA8 (9.4/10.3) KA7 (GL) (7.8/8.6)	Property of the property of th	Puji Heavy Industries Ltd. 1.2 Liters (73) Ontrol Sys. (Special Features) Vehicle Models Trans. Equiv. Type Test Weight (Dyno Hp) KA7 (7.8/8.6) M5 2125 KA8 (9.4/10.3) 2250 KA7 (GL) 2125 KA8 (9.4/10.3) 2250 KA7 (GL) 2250 KA8 (9.4/10.3) 2375 KA7 (7.8/8.6) CVT 2250	Tuji Heavy Industries Ltd. Engine For Ind	Part No. Part No.	Cars x Light-Duty Trucks Medium-Duty Vehicles Gas x	

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.

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				011 4/21/100