State of California AIR RESOURCES BOARD

ang nganakan naman ang mga pagang pagang ang mga pagang pangang naman naman naman nama naman naman naman naman Ang nganakan naman ang mga pagang pagang ang mga pagang pangang naman naman naman naman naman naman naman nama

EXECUTIVE ORDER A-2-54 Relating to Certification of New Motor Vehicles

FUJ! 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 1989 model-year Fuji Heavy industries Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family		olacement (Cubic inches)	Exhaust Emission Control Systems (Special Features)
KFJ1.8V5HCV5	1.8	(109)	Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst
그 시 무늬 글라 아무 보다.		되었지요? 시작시작의 생존하였	Three-Way Catalyst Oxidation Catalyst (Central Fuel Injection) (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	0.4		

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)		
0.25	4.1	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 ilsted vehicle models also comply with the "California Motor Vehicle Tune-Up Labe! 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 "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, California Administrative Code, Section 2035 at Sec.).

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 27 day of May, 1988

K. D. Drachand, Chief Mobile Source Division

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Manufacturer Fuji Heavy Indus	tries Ltd. Engine Family KE	J1.8V5HCV5
Evaporative Family KU		но4
•	Liters (CID)1	.8 Liters (109)
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 Fuel System 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 Diagnostic
VEHICLE MODELS: AC4; 4-door Sedan AC5: 4-door Sedan 4WD AG4; 3-door AG5; 3-door 4WD AN4; Station Wagon AN5; Station Wagon 4WD		
Ingine: Front x Mid.	Rear	
Drive: FWD x RWD	4WD Full Time	4WD Part Time x

304.65115 " <u>44.0</u>6"

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<u>~</u>	198	JY AIR I	Resources	BOARD SUPPLEM	ENTAL DATA BI		age <u>lof 4</u>		
assenger C	ars <u>x</u> Light	-Duty T	rucka	Medium-Duty Vehicles Gas _x Diesel					
ianufacture	r <u>Fuji Heavy</u>	Industr	ies Ltd.	Engine F	amily KFJ	1.8V5HCV5			
iter (CID)	1.8 Liters	(109)		Eng.	Туре но				
Emission Co	ontrol Sys. (Spe	ecial Fe	atures)	OS, EGR, C	C(1), TWC(1),	(CFI, OBD)			
	Vehicle Models (If Coded see attachment) (Dyno Hp)		Test	(ECU)	Fuel System CFI, OS Part No.	EGR Valve	Catalyst Part No.		
kl. 8v5cvsm	AC4 (DL) (7.0/7.7)	M5	2625 (2500) #	Distributor:	Hitachi	•	Puji's Part		
-	AC4 (GL) (7.0/7.7) AG4 (6.8/7.5)	1	2625	Fuji's Part	RFB42-2 Fuji's Part	No.	Front: 20805AA120 Rear: 1 20805AA150		
	AN4 (DL) (7.5/8.2)	1	2750 (2625) #	22100AA440 Electronic Control Unit:	16114AA170				
	AN4 (GL) (7.5/8.2) AC5 (8.3/9.1)		2750	Puji's Part No. 22611AA394					
	AG5 (8.1/8.9)	-1	2875 (2750)						
	AN5 (DL) (8.5/9.4)		2875						
	AN5 (GL) (8.5/9.4)		3000 (2875) (7					
	AK4 (GL) (7.7/8.5)		2750						
	AK5 (GL) (8.8/9.7)		3000 (2875)						

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.

PThe model is tested at higher ETW in accordance with 40 CFR 66.084-26(a)(2).

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ianuiactuiei	<u> Puji Heavy I</u>	naustr	ies Ltd.	Engine Fa	mith Kb2	L. 8V5HCV5	
iter (CID)	1.8 Liters	109)		Eng.	Type HO4		
Emission Con	ntrol Sys. (Spec	ial Fe	atures) _	OS, EGR, OG	(1), TWC(1),	(CFI, OBD)	
Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) EI, ESAC Part No.	Fuel System CFI, OS Part No.	EGR Valve	Catalyst Part No.
K1.8V5CVSMA	AC4 (7.0/7.7) AG4 (DL) (6.8/7.5)	M5	2625	Distributor: Hitachi D4P86-03	Injector: Hitachi RFB42-2	APDQ72-3	Fuji's Part No. Front:
	AG4 (GL) (6.8/7.5) AN4 (DL) (7.5/8.2)		2750	Fuji's Part No. 22100AA440	Fuji's Part No. 16114AA170	Fuji's Part No. 14170AA241	Rear:
	AN4 (GL) (7.5/8.2) AC5 (8.3/9.1)		2875 (2750) #	Electronic Control Unit: Puji's Part No. 22611AA394			
	AG5 (8.1/8.9) AN5 (DL) (8.5/9.4)		2875	2201120334			
•	AN5 (GL) (8.5/9.4)		3000				
	AR4 (GL) (7.7/8.5)		2875 (2750) #				
	AK5 (GL) (8.8/9.7)		3000				

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 property. If two test weights are listed, the lower weight will be used for testing.

#The	model	15	tested	at	higher	ETW	in	accordance	with	40	CFR	86.	.084-	-26 (≀	a) (2)	

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anufacture	r Fuji Heavy	Industr	ies Ltd.	Engine F	amily _	KPJ1.8V5HCV5				
an war again and the median and	1.8 Liters									
mission Co	ntrol Sys. (Spe	cial Fe	eatures)	OS, EGR, C	C(1), 7	WC(1),	(CFI, OBD)			
	Vehicle Models (If Coded see attachment) (Dyno Hp)		Test	Ign. System (ECU) £I, ESAC Part No.		os		Catalyst		
k1.8v5cvsa	AC4 (7.0/7.7) AG4 (DL) (6.8/7.5)	АЗ			Inject Hitach RFB42	i -2	AEY78-14	Fuji's Part No. Front: 20805AA120		
٠	AG4 (GL) (6.8/7.5)		2750 (2625) \$		Fuji's No. 16114	Part		Rear:		
	AN4 (7.5/8.2)		2750	Electronic			·			
	AC5 (8.3/9.1) AG5 (8.1/8.9)		3	Control Unit: Fuji's Part						
	AN5 (8.5/9.4)		3000 (2875) #	22611AA394						
	AK4 (GL) (7.7/8.5)		2750			•				
	AK5 (GL) (8.8/9.7)		3000 (2875)		Ì					

of Issue April 29, 1988 Revisions: 003-7/1/'88 CC6-10/17/'88 009-12/14/'88

#The model is tested at higher ETW in accordance with 40 CFR 86.084-26(a)(2).

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4 - 2 P -	Fuji Heavy I						
and a second of the	trol Sys. (Spec			•			
1	Vehicle Models (If Coded see attachment) (Dyno Hp)	Туре		(ECU)	Fuel System CFI, OS Part No.		Catalyst Part No.
K1.8V5CVSAA	AC4 (DL) (7.0/7.7) AC4 (GL) (7.0/7.7) AG4 (DL) (6.8/7.5)	A3	2625 2750 (2625) #	Distributor: Hitachi D4P86-03 Fuji's Part No. 22100AA440	Injector: Hitachi RFB42-2 Fuji's Part No. 16114AA170	AEY78-14 Fuji's Part	Fuji's Part No. Front: 20805AA120 Rear: 20805AA150
	AC4 (GL-10) (7.0/7.7) AG4 (GL) (6.8/7.5) AN4 (DL) (7.5/8.2)		2750	Electronic Control Unit: Puji's Part No. 22611AA394			
	AN4 (GL, GL-10 (7.5/8.2) AC5 (8.3/9.1) AG5 (8.1/8.9)		2875			 	,
·	AN5 (8.5/9.4) AK4 (GL, GL-1 (7.7/8.5)		2875				
·	AK5 (GL) (8.8/9.7)		3000				

The model is tested at higher ETW in accordance with 40 CFR 86.084-25(a)(2).

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006-10/17/'88

009-12/14/'88