71.16

## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-2-94-A 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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Fuji Heavy Industries, Ltd. exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: TFJ2.2VJG2EK <u>Displacement</u>: 2.2 Liters (135 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converters (two)
Heated Oxygen Sensors (two)
Sequential Multiport Fuel Injection
Exhaust Gas Recirculation (Automatic Transmission Models Only)

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

The TLEV certification exhaust emission standards for this engine family in grams per mile are:

Miles	Non-Methane Organic Gas	Carbon <u>Monoxide</u>	Nitrogen _Oxides_	<u>Formaldehyde</u>	Carbon <u>Monoxide (20°F)</u>
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156		0.6	0.018	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a 0.98 RAF for 1996 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are (Values in parentheses are actual certification values before rounding off.):

<u>Miles</u>	Non-Methane Organic Gas	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Formaldehyde</u>	Carbon Monoxide (20°F)
50,000	0.089	1.5	0.1	0.000 (0.0004)	
100,000	0.099	1.7	0.1	0.000 (0.0004)	

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth 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 under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) 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 provisions (Title 13, California Code of Regulations, 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 December 1995.

R. B. Summerfield Assistant Division Chief Mobile Source Division

## 1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacture	r: <u>Fuji Heavy In</u>	<u>dustries</u>	Ltd.	Exh E	ngine Family:	TFJ2.2VJG2E	CK (System #1)
Evan Std:	50K Useful L	ife with	n R/L_X_	Evap	Engine Famil	y: <u>TFJ111</u>	OBYME5
Exh Std: Tie	er-O Tier-1	TLEV	KLEV	ULEV	ZEV	; EPA Tier-O_	Tier-1
Veh Class(e	s): PC x LDT1 _	LDT2	2 MD'	V 1	MDV2 MD	V3 MDV4_	MDV5
Single Cert	Std for Multi-Clas	s Eng Fa	am: <u>N/A</u>	_ (spec	ify: N/A, LDT	1, MDV1, MDV2	2, MDV3, MDV4)
Exh Cert Fu	el(s): Indo Ph	2 <u>x</u> 1	Diesel: 1	3 CCR 2	282 or 40	CFR 86.113-90	or -94
	M85 CN	G	LPGO	ther (s	pecify)		
Fuel Type(s	): Dedicated_x F1	ex-Fuel	Dual	-Fuel	_ Gaso	line <u>x</u> Dies	sel M85
	CNG LNG	LPG	Other (s	pecify)			
Hubrid: Two	e ABC,	APU Cyc	le (e.g.,	Otto,	Diesel, Turbi	ne)	
Engine Conf	iguration: HO4 D	isplace	ment:	2,2 /	Liters _	135 /	Cubic Inches
Engine Com	nt_x Mid F	lear	Dri	ve: FV	ID <u>x</u> RWD	4WD-FT <u>x</u>	4WD-PT
Engine. Ito	Cog FCR MFI TO	CAC):	,	но	2S(2), TWC(2)	, SFI	
Exhaust Eco	eg., EGR, MFI, TO	,, 0, .		(use ab	breviations p	er SAE J1930	SEP91)
Engine Code (CA/49ST	Vehicle Models	Trans. Type: A-Auto	ETW	DPA	Ignition (ECM/PCM) Part No.	System	Catalytic Converter Part No.
-50ST		M-Man.	1 1		1		Fuji's Part
T2.2CSMA	LEGACY 4D AWD L LEGACY SW AWD	M-5	3250	7.2	Electronic Control	None	No.
(CA)	Bgighton		3230	7.8	Unit: Fuji's Part		Front: 20805AA890 20805AA960 Rear: 20805AA900 20805AA970
	LEGACY SW AWD L	]	3375	7.8	Fuji's Part   No.   22611AC930		
	LEGACY SW AWD Outback		(3250)#	8.0			
	LEGACY SW AWD	1 .	2275	9.1			
	Outback (step roof)	l I	3375				
The model	is tested at highe	r ETW in	accorda	nce wit	h 40 CFR 86.0	94-26(a)(2).	

Date Issued: 11/24/'95

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## 1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer	Fuji Heavy Inc	lustries	Ltd.	Exn Er	ngine ramity:	TEJ2:2700ED	RYMES
Evap Std: 5	50KUseful Li	ife with	R/L_X	Evap t	ingine ramity	PDA Tien O	Tion-1
Exh Std: Tie	er-0 Tier-1 1	rlev <u>x</u>	_ LEV	_ ULEV	ZEV;	EPA Tier-U	
	ale provinti	LDT2	MD/	/1	MDV2 MDV	V3 MDV4_	
0: 3. 0	Std for Multi-Class	Fng Fa	m: N/A	(spec:	ify: N/A, LDT	I, MUVI, MUVZ	, MD42, MD44)
Exh Cert Fue	el(s): Indo Phi	2 x I	lesel: 13	3 CCR 2	282 or 40 t	CFR 86.113-90	or -94
	MRE CNO	a t	LPG O	ther (s	pecify)		<del> </del>
Fuel Type(s	): Dedicated_x Fl	ex-Fuel	Dual	-Fuel	_ Gaso	line <u>x</u> Dies	sermos
	CNC INC	LPG	Other (s	pecify)			
Hybrid: Typ	e A B C,	APU Cyc	le (e.g.,	Otto,	Diesel, Turbi	ne)	C. I. J. Translate
r-wi-s Conf	iguration: HO4 D	isplace	ment:	2,2 / <u> </u>	Liters _	135 /	cubic inches
r-aine. Ene	nt v Mid R	ear	Dri	ve: FW	D <u>x</u> kwn		4WD-PT
Exhaust ECS	(eg., EGR, MFI, TC	, CAC):		EUB HU	125(2). TWC(2)	er SAE J1930	
				(use ab			
Engine	Vehicle Models	Trans. Type:	ETW	DPA	Ignition	EGR System	Catalytic Converter
Code CA/49ST	VC2020	A-Auto		'	Part No.		Part No.
50ST	LEGACY 4D AWD L	M-Man.	3250	7.2	Electronic	EGR Valve:	Fuji's Part
T2.2CSAA (CA)	LEGACY 4D AWD LS	n	3375	7.0	Control	Mitsubishi	No. Front:
(0)	LEGACY SW AWD	1	3250	7.8	Unit:  Fuji's Part	K005T75071,	20805AA890
	Brighton	1		7.8	No.	Fuji's Part	20805AA960 Rear:
	LEGACY SW AWD L	_	3375	<b></b>	22611AC930 22611AC940	No. 14710AA530	20805AA900
	LEGACY SW AWD Outback		(3250)#	8.4			20805AA970
	LEGACY SW AWD LS	1	3500 (3375)#	7.9			
	LEGACY SW AWD	}	(3313)*		†		
	Outback		3375	9.1			
	(step roof)	<u> </u>			TO CER 86 O	$\frac{1}{104-26(a)(2)}$	
#The model	is tested at highe	r ETW 1	n accorda	nce wit	n 40 Crn 00.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
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Date Issue	ed: 11/24/195						

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