

Filed

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-92-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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1995 model-year Fuji Heavy Industries, Ltd. exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: SFJ2.2VJGFEK Displacement: 2.2 Liters (135 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Three Way Catalytic Converters (two)
- Heated Oxygen Sensors (two)
- Sequential Multipoint Fuel Injection
- On-Board Diagnostic II

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

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

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.25	3.4	0.4
100,000	0.31	4.2	n/a

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

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.15	1.5	0.1
100,000	0.17	1.8	n/a

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 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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" 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 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).

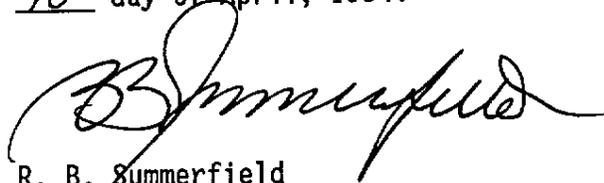
BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et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

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 18th day of April, 1994.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

Manufacturer Fuji Heavy Industries Ltd. Eng. Family SFJ2,2VJGEEK (System #1)

Pass Car Lt-Duty Truck _____ Med-duty Vehicle _____ Fuel Type Gasoline

Engine Config. HQ4 Liter (CID) 2.2(135) Evaporative Family SFJ103QBVM01

Exhaust ECS & Special Features (incl. CARB, MPI, etc.) HO2S(2), TWC(2), SFI, 0602

(Use abbreviations per SAE J1930 Jun88)

Engine: Front Mid. _____ Rear _____ Drive: FWD RWD _____ 4WD-FT 4WD-PT _____

Eng. Code/ (Cert Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP	Ign. Sys. (ECU.PROM) Part No.	EGR Syst. Part No.	Catalyst Part No.
S2.2BEM (*1)	Legacy 4D	M-5	2875	5.7	Electronic Control Unit: Fuji's Part No. 22611AB412	None	Fuji's Part No. Front: 20805AA670 Rear: 20805AA570
	Legacy SW		3000	6.2			
	Legacy 4D AWD		3125 (3000)#	6.8			
	Legacy SW AWD L		3250 (3125)#	7.4			
S2.2BEMA (*1)	Legacy 4D		3000 (2875)#	6.3	R/C #95-6 22611AB413		
	Legacy 4D L		3000	6.8			
	Legacy SW		3125 (3000)#		7.5		
	Legacy SW L		3125	8.1			
	Legacy 4D AWD						
	Legacy 4D AWD L						
	Legacy SW AWD Brighton	3250	8.1				
	Legacy SW AWD L		8.1				
			8.2				
	Legacy SW AWD Outback	3375 (3250)#	8.5	8.5			
Legacy SW AWD LS	3375	8.2					
		8.5					

#The model is tested at higher ETW in accordance with 40 CFR 86.095-26(a)(2).

*1 0.25NMHC/3.4CO/0.4NOx at 50,000-mile point.
0.31NMHC/4.2CO at 100,000-mile point.

Date of Issue: March 18, 1994
1290

Revisions: 010-5/27/'94 011-6/17/'94
018-9/10/'94

EO# A-2-92-A
(MIT Models)

Vehicle Road Load

<u>Car Line</u>	<u>Body</u>	<u>Trans.</u>	<u>Test Weight</u>	<u>Tire Size</u>	<u>C.D. A/C Factor</u>	<u>Time (secs.)</u>	<u>Dyno. HP</u>	
LEGACY	4-door Sedan	M5	2875	P185/70R14		16.55	5.7	
			3000 (2875)#	P185/70R14	x	16.35 (15.67)	6.3	
	4-door Sedan L	M5	3000	P185/70R14	x	16.35	6.3	
	4-door Sedan L	A4	3000	P185/70R14		15.42	5.6	
LEGACY AWD	4-door Sedan AWD	M5	3125	P185/70R14		15.34	6.2	
			(3000)#	P185/70R14		15.40 (14.79)	6.8	
	4-door Sedan AWD L	M5	3125	P185/70R14	x	14.94	7.5	
		A4	3250	P185/70R14	x	14.52	7.4	
	4-door Sedan AWD LS	A4	3375	P195/60R15	x	14.66	7.4	
			3375	P195/60R15(S)	x	14.07	7.8	
LEGACY WAGON	Station Wagon	M5	3000	P185/70R14		16.43	6.2	
			3000	P185/70R14	x	15.57	6.8	
	Station Wagon L	M5	3125 (3000)#	P185/70R14	x	16.22 (15.57)	6.8	
		A4	3125	P185/70R14		15.23	6.0	
LEGACY WAGON AWD	Station Wagon AWD L	M5	3250	P185/70R14		15.34	7.4	
			(3125)#			(14.75)		
				3250	P185/70R14	x	14.55	8.1
				3250	P195/60R15	x	14.01	8.2
				3250	P195/60R15(S)	x	13.47	8.5
				A4	3250	P185/70R14		14.35
				3375	P185/70R14	x	14.50	7.8
				3375	P195/60R15	x	14.08	7.8
	Station Wagon AWD Brighton		M5	3375	P195/60R15(S)	x	13.55	8.1
				3250	P185/70R14	x	14.55	8.1
	Station Wagon AWD LS		M5	3375	P185/70R14	x	14.50	7.8
				(3250)#			(13.96)	
			M5	3375	P195/60R15	x	14.55	8.2
				3375	P195/60R15	x	14.00	8.5
		A4	3500	P195/60R15	x	14.60	7.8	
			(3375)#	P195/60R15		(14.08)		
			3500	P195/60R15(S)	x	14.05	8.1	
			(3375)#			(13.55)		