State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-91
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: SFJ1.8VJGFEK Displacement: 1.8 Liters (111 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Pulsed Secondary Air Injection
Exhaust Gas Recirculation
Heated Oxygen Sensor
Three Way Catalytic Converters (two)
Sequential Multiport Fuel Injection

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

The certification exhaust emission standards (alternative in-use compliance standards in parentheses) for this engine family in grams per mile are:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (n/a)
100,000	0.31 (n/a)	4.2 (n/a)	n/a

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

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.18	1.9	0.1
100,000	0.21	2.2	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, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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 the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 60 percent of the manufacturer's projected sales of 1995 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced 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 the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) 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 11th day of April, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O.# A-2-91 Page 1 (14)

Manufacturer Fuji Heavy Industries Ltd. Eng. Family SFJ1.8VJGFEK

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

Engine Config. HO4 Liter (CID) 1.8(111) Evaporative Family SFJ1030BYM03

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

(Use abbreviations per SAE J1930 Jun88)

Engine: Front x Mid. ___ Rear ___ Drive: FWD x RWD ___ 4WD-FT x 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.
S1.8BLM (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GM21	M-5	2750	6.5	Electronic Control Unit: Fuji's Part No. 22611AB740 R/C #95-3 22611AB741	EGR Valve: Mitsubishi K005T75072, A550 Fuji's Part No. 14710AA550	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
			2875	7.4			
S1.8BLMA (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GM21		2750	7.2			
	GM24		2750	6.5			
	GM21		2875	8.1			
	GM24		3000	8.1			
S1.8BLAA (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GM21	A-4	2875	6.3			
	GM24		3000	7.6			

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

*1 Exhaust emissions standards at 50,000-mile point.

*2 Exhaust emissions standards at 100,000-mile point.

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EO # A-2-91

Vehicle Models

Engine Family SFJ1.8VJGFEK

GM21: IMPREZA 2-door Coupe

IMPREZA 2-door Coupe AWD

GC24: IMPREZA 2-door Coupe L

IMPREZA 2-door Coupe AWD L

EO # A-2-91

Vehicle Road Load

Car Line	Body	Trans.	Test Weight	Tire Size	C.D. A/C Factor	Time (secs.)	Dyno. HP
IMPREZA	2-door Coupe	M5	2750	P165/80R13		14.77	6.5
			2750	P165/80R13	x	14.17	7.2
	2-door Coupe L	M5	2750	P175/70R14 (BS)	x	14.69	6.5
		A4	2875	P175/70R14 (BS)	x	14.29	6.3
IMPREZA	2-door Coupe AWD	M5	2875	P175/70R14 (YO)		13.74	7.4
AWD			2875	P175/70R14 (YO)	x	13.12	8.1
	2-door Coupe AWD L	M5	3000	P175/70R14 (YO)	x	13.69	8.1
		A4	3000	P175/70R14 (YO)	x	13.36	7.6

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Manufacturer Fuji Heavy Industries Ltd. Eng. Family SFJ1.8VJGFEK

s Car x Lt-Duty Truck ____ Med-duty Vehicle ____ Fuel Type Gasoline

Engine Config. H04 Liter (CID) 1.8(111) Evaporative Family SFJ1030BYM03

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

(Use abbreviations per SAE J1930 Jun88)

Engine: Front x Mid. ____ Rear ____ Drive: FWD x RWD ____ 4WD-FT x 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.
S1.8BLM (*1)	IMPREZA 2D Base	M-5	2750	6.5	Electronic Control Unit: Fuji's Part No. 22611AB740 R/C #95-3 22611AB741	EGR Valve: Mitsubishi K005T75072, A550 Fuji's Part No. 14710AA550	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
	IMPREZA 2D AWD Base		2875	7.4			
				7.1			
S1.8BLMA (*1)	IMPREZA 2D Base		2750	7.2			
	IMPREZA 2D L			6.5			
				7.2			
	IMPREZA 2D AWD Base		2875	8.1			
				7.8			
	IMPREZA 2D AWD L		3000	8.1			
				7.8			
1.8BLAA (*1)	IMPREZA 2D L	A-4	2875	6.3			
				6.6			
	IMPREZA 2D AWD L		3000	7.6			
				7.3			

*1 0.25NMHC/3.4CO/0.4NOx at 50,000-mile point.
0.31NMHC/4.2CO at 100.000-mile point.

- Impreza
- AWD
- L
- AWD L
- CW
- CW

:e of Issue: February 22, 1994 Revisions: 003-4/19/'94
012-6/27/'94

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Manufacturer Fuji Heavy Industries Ltd. Eng. Family SFJ1.8VJGFEK

s Car x Lt-Duty Truck ____ Med-duty Vehicle ____ Fuel Type Gasoline

Engine Config. HO4 Liter (CID) 1.8(111) Evaporative Family SFJ1030BYM03

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

(Use abbreviations per SAE J1930 Jun88)

Engine: Front x Mid. ____ Rear ____ Drive: FWD x RWD ____ 4WD-FT x 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.
S1.8BLM (*1)	IMPREZA 4D Base	M-5	2750	6.5	Electronic Control Unit: Fuji's Part No. 22611AB741	EGR Valve: Mitsubishi K005T75072, A550 Fuji's Part No. 14710AA550	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
	IMPREZA 4D LE						
	IMPREZA 4D L			6.5			
				5.9			
	IMPREZA CW Base		2875 (2750)#	7.0			
	IMPREZA CW LE						
	IMPREZA CW L		2875	7.0			
				7.2			
				6.6			
	IMPREZA 4D AWD Base			7.4			
				7.1			
	IMPREZA 4D AWD LE			7.4			
				7.1			
	IMPREZA CW AWD LE		3000	8.1			
				7.7			
	IMPREZA CW AWD L			8.1			
				7.7			

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

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

e of Issue: April 25, 1994 Revisions: 008-4/27/'94
012-6/27/'94

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1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O.# A-2-91 Page 1.2

Manufacturer Fuji Heavy Industries Ltd. Eng. Family SFJ1.8VJGFEK

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

Engine Config. HO4 Liter (CID) 1.8(111) Evaporative Family SFJ1030BYM03

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

(Use abbreviations per SAE J1930 Jun88)

Engine: Front x Mid. ____ Rear ____ Drive: FWD x RWD ____ 4WD-FT x 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.
S1.8BLMA (*1)	IMPREZA 4D Base	M-5	2750	7.2	Electronic Control Unit: Fuji's Part No. 22611AB741	EGR Valve: Mitsubishi K005T75072, A550 Fuji's Part No. 14710AA550	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
	IMPREZA 4D LE						
	IMPREZA 4D L			7.2			
				6.5			
			2875	7.2			
				6.5			
	IMPREZA 4D LS			7.2			
				6.5			
	IMPREZA CW Base			7.7			
	IMPREZA CW LE						
	IMPREZA CW L			7.7			
				7.9			
				7.3			
			3000 (2875)#	7.7			
				7.9			
				7.3			
	IMPREZA CW LS		3000	7.9			
				7.3			
	IMPREZA 4D AWD Base		3000 (2875)#	8.1			
				7.8			
	IMPREZA 4D AWD LE			8.1			
				7.8			
	IMPREZA 4D AWD L		3000	8.1			
				7.8			
	IMPREZA 4D AWD LS			8.1			
				7.8			
	IMPREZA CW AWD LE			8.9			
				8.5			
	IMPREZA CW AWD L		3125 (3000)#	8.9			
				8.5			
			3125#	8.9			
				8.5			
	IMPREZA CW AWD LS			8.9			
				8.5			
	IMPREZA CW AWD Outback			7.9			

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

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

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1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O.# A-2-91 Page 1.2 (21)

Manufacturer Fuji Heavy Industries Ltd. Eng. Family SFJ1.8VJGFEK

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

Engine Config. HO4 Liter (CID) 1.8(111) Evaporative Family SFJ1030BYM03

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

(Use abbreviations per SAE J1930 Jun88)

Engine: Front x Mid. ___ Rear ___ Drive: FWD x RWD ___ 4WD-FT x 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.
S1.8BLHA (*1)	IMPREZA 4D Base	M-5	2750	7.2	Electronic Control Unit: Fuji's Part No. 22611AB741	EGR Valve: Mitsubishi K005T75072, A550 Fuji's Part No. 14710AA550	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
	IMPREZA 4D LE			7.2			
	IMPREZA 4D L			6.5			
			2875	7.2			
				6.5			
	IMPREZA 4D LS			7.2			
				6.5			
	IMPREZA CW Base			7.7			
	IMPREZA CW LE						
	IMPREZA CW L			7.7			
				7.9			
				7.3			
			3000 (2875)#	7.7			
				7.9			
				7.3			
	IMPREZA CW LS		3000	7.9			
				7.3			
	IMPREZA 4D AWD Base		3000 (2875)#	8.1			
				7.8			
	IMPREZA 4D AWD LE			8.1			
				7.8			
	IMPREZA 4D AWD L		3000	8.1			
				7.8			
	IMPREZA 4D AWD LS			8.1			
				7.8			
	IMPREZA CW AWD LE			8.9			
				8.5			
	IMPREZA CW AWD Outback		3000	8.6			
	IMPREZA CW AWD L		3125 (3000)#	8.9			
				8.5			
			3125#	8.9			
				8.5			
	IMPREZA CW AWD LS			8.9			
				8.5			
	IMPREZA CW AWD Outback			7.9			

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

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

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017-9/10/'94

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O.# A-2-91 Page 1.3

Manufacturer Fuji Heavy Industries Ltd. Eng. Family SFJ1.8VJGFEK

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

Engine Config. HO4 Liter (CID) 1.8(111) Evaporative Family SFJ1030BYM03

Exhaust ECS & Special Features (incl. CARB, MPI, etc.) PAIR, EGR, HO2S, TWC(2), SFI
(Use abbreviations per SAE J1930 Jun88)

Engine: Front x Mid. ____ Rear ____ Drive: FWD x RWD ____ 4WD-FT x 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.
S1.8BLA	IMPREZA 4D LE	A-4	2875	6.0	Electronic Control Unit: Fuji's Part No. 22611AB741	EGR Valve: Mitsubishi K005T75072, A550 Fuji's Part No. 14710AA550	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
	IMPREZA 4D L			6.0			
				5.7			
	IMPREZA CW LE			6.8			
	IMPREZA CW L		3000 (2875)#	6.8			
				6.7			
				6.4			
	IMPREZA 4D AWD LE		3000	6.9			
				6.6			
	IMPREZA CW AWD LE		3125 (3000)#	7.6			
				7.2			
	IMPREZA CW AWD L		3125	7.6			
				7.2			

#The model is tested at higher ETW in accordance with 40 CFR 86.095-26(a)(2).
*1 0.25NMHC/3.4CO/0.4NOxat 50,000-mile point.
0.31NMHC/4.2CO at 100,000-mile point.

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Manufacturer Fuji Heavy Industries Ltd. Eng. Family SFJ1.8VJGFEK

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

Engine Config. HO4 Liter (CID) 1.8(111) Evaporative Family SFJ1030BYM03

Exhaust ECS & Special Features (incl. CARB, MPI, etc.) PAIR, EGR, HO2S, TWC(2), SFI
(Use abbreviations per SAE J1930 Jun88)

Engine: Front x Mid. ____ Rear ____ Drive: FWD x RWD ____ 4WD-FT x 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.
S1.8BLAA (*1)	IMPREZA 4D LE	A-4	2875	6.6	Electronic Control Unit: Fuji's Part No. 22611AB741	EGR Valve: Mitsubishi K005T75072, A550 Fuji's Part No. 14710AA550	Fuji's Part No. Front: 20805AA780 Rear; 20805AA800
	IMPREZA 4D L			6.6			
				6.3			
			3000	6.6			
				6.3			
	IMPREZA 4D LS			6.6			
				6.3			
	IMPREZA CW LE			7.5			
				7.5			
	IMPREZA CW L			7.4			
				7.0			
			3125	7.4			
				7.0			
	IMPREZA CW LS		3000	7.6			
				7.3			
	IMPREZA 4D AWD LE			7.6			
				7.3			
	IMPREZA 4D AWD L		3125 (3000)#	7.6			
				7.3			
	IMPREZA 4D AWD LS		3125	8.4			
				7.9			
	IMPREZA CW AWD LE			8.4			
				7.9			
	IMPREZA CW AWD L			8.4			
				7.9			
	IMPREZA CW AWD LS		3250	8.4			
				7.9			
	IMPREZA CW AWD Outback			7.8			

#The model is tested at higher ETW in accordance with 40 CFR 86.095-26(a)(2).
*1 0.25NMHC/3.4CO/0.4NOxat 50,000-mile point.
0.31NMHC/4.2CO at 100,000-mile point.

Date of Issue: June 27, 1994 Revisions:
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