

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-84  
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 1993 model-year Fuji Heavy Industries Ltd. exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: PFJ1.8V5FCK1 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 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	1.2	0.1
100,000	0.17	1.4	n/a

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2290).

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).

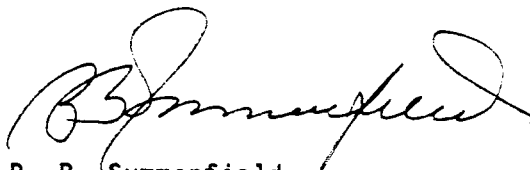
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." for the aforementioned model year (Title 13, California Code of Regulations, Section 1968).

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 3rd day of November, 1992.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

Manufacturer Fuji Heavy Industries Ltd. Eng. Family PFJ1.8V5FCK1

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

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

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

(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.
P1.8V5CKM (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GC22	M-5	2625	6.5	Electronic Control Unit: Fuji's Part No. 22611AA800	EGR Valve: Hitachi APDQ54-113 Fuji's Part No. 14710KA 130	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
	GF22		2750	7.0			
	GC22		2875 (2750)#	7.1			
	GF22		2875	7.7			
P1.8V5CKMA (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GC22, GC24		2750 (2625)#	7.2			
	GC25		2750	7.2 6.5			
	GC27		2875	7.2 6.5			
	GF22, GF24		2750	7.7			
	GF25, GF27		2875	7.9 7.3			
	GF22, GC24		2875	7.8			
	GC25, GC27		3000	7.8			
	GF22, GF24		3000 (2875)#	8.5			
	GF25, GF27	3000	8.5				

#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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 Manufacturer Fuji Heavy Industries Ltd. Eng. Family PFJ1,8V5PCK1  
 Pass Car  Lt-Duty Truck  Med-duty Vehicle  Fuel Type Gasoline  
 Engine Config. H04 Liter (CID) 1,8(111) Evaporative Family DU  
 Exhaust ECS & Special Features (incl. CARB, MPI, etc.) PAIR, EGR, HO2S, TWC(2), SFI  
 (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.
P1.8V5CKM (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GC21, GC22	M-5	2625	6.5	Electronic Control Unit: Fuji's Part No. 22611AA800	EGR Valve: Hitachi APDQ54-113 Fuji's Part No. 14710KA 130	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
	GF22		2750	7.0			
	GC22		2875 (2750)#	7.1			
	GF22		2875	7.7			
P1.8V5CKMA (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GC21		2625	7.2			
	GC22, GC24		2750 (2625)#	7.2			
	GC25		2750	7.2 6.5			
	GC27		2875	7.2 6.5			
	GF22, GF24		2750	7.7			
	GF25, GF27		2875	7.9 7.3			
	GF22, GC24		2875	7.8			
	GC25, GC27		3000	7.8			
	GF22, GF24		3000 (2875)#	8.5			
	GF25, GF27		3000	8.5			

\*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.

Date of Issue: September 21, 1992 Revisions: 014-1/11/'93

1290

Manufacturer Fuji Heavy Industries Ltd. Eng. Family PFJ1.8V5FCK1

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

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

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.
P1.8V5CKA (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GC22	A-4	2750	6.0	Electronic Control Unit: Fuji's Part No. 22611AA800 22611AB100	EGR Valve: Hitachi APDQ54-113 Fuji's Part No. 14710KA 130	Fuji's Part No. Front: 20805AA780 Rear: 20805AA800
	GF22		2875	6.8			
	GC22		2875	6.6			
	GF22		3000	7.2			
P1.8V5CKAA (0.25/3.4/0.4)*1 (0.31/4.2/NA)*2	GC22		2750	6.6			
	GC24		2875 (2750)#	6.6			
	GC25		2875	6.6 6.3			
	GC27		3000 (2875)#	6.6 6.3			
	GF22, GF24		2875	7.5			
	GF25, GF27		3000	7.4 7.0			
	GC22		3000 (2875)#	7.3			
	GC24, GC25		3000	7.3			
	GC27		3125 (3000)#	7.3			
	GF22, GF24		3000	7.9			
	GF25, GF27		3125	7.9			

#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.

Date of Issue: September 21, 1992 Revisions:  
1290

Vehicle Models

Engine Family PFJ1.8V5FCK1

- GC22: IMPREZA 4-door Sedan L  
      IMPREZA 4-door Sedan AWD L
- GC24: IMPREZA 4-door Sedan L+  
      IMPREZA 4-door Sedan AWD L+
- GC25: IMPREZA 4-door Sedan LS  
      IMPREZA 4-door Sedan AWD LS
- GC27: IMPREZA 4-door Sedan LS+  
      IMPREZA 4-door Sedan AWD LS+
- GF22: IMPREZA Wagon L  
      IMPREZA Wagon AWD L
- GF24: IMPREZA Wagon L+  
      IMPREZA Wagon AWD L+
- GF25: IMPREZA Wagon LS  
      IMPREZA Wagon AWD LS
- GF27: IMPREZA Wagon LS+  
      IMPREZA Wagon AWD LS+