File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-98
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:

Fuel Type: Gasoline

Engine Family: TFJ3.3VJGFEK Displacement: 3.3 Liters (202 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual Three Way Catalytic Converters
Three Way Catalytic Converter
Dual Heated Oxygen Sensors
Heated Oxygen Sensor
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection

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

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

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (0.4)	10.0 (10.0)
100,000	0.31 (n/a)	4.2 (n/a)	0.6 (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	Carbon Monoxide (20°F)
50,000	0.20	1.3	0.1	6.6
100,000	0.22	1.5	0.2	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 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, 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 20 percent of the manufacturer's projected sales of 1996 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 "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 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 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").

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 August 1995.

Raphael Susnowitz

for R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O #A-2-98

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

Manufacturer: Fuji Heavy Industries Ltd. Exh Eng Fam: TFJ3.3VJGFEK Evap Eng Fam: TFJ1036BYPA4

All Eng Codes in Eng Fam: CA___ 49S___ 50S x AB965___

Exh Std: Tier-0___ Tier-1 x TLEV___ LEV___ ULEV___ ZEV___ ; EPA Tier-0___ Tier-1 x

Evap Std: 50K x Useful Life with R/L___ In-Use Exh Std: Full In Use___ Alt In Use x

Veh Class(es): PC x LDT1___ LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Fuel Type(s): Dedicated x Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Gasoline x Diesel___

CNG___ LNG___ LPG___ M85___ Other (specify)___

Emiss Test Fuel(s): Indo x Ph2___ CNG___ LPG___ M85___ Other (specify)___

Diesel: 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Service Accum: Std AMA___ Mod AMA x Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A x Std___ Equiv___ R/L Test PRoc: SHED___ Pt SOurce___

Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine): ~~Otto~~ N/A

Engine Configuration: HO6 Displacement: 3.3 / ___ Liters 202 / ___ Cubic Inches

Valves per Cylinder: 4 Rated HP: 230 @ 5400 RPM

Engine: Front x Mid___ Rear___ Drive: FWD___ RWD___ 4WD-FT x 4WD-PT___

Exhaust ECS (e.g., EGR, MFI, TC, CAC): EGR, 2HO2S, 2TWC, SFI, HO2S TWC

(use abbreviations per SAE J1930 SEP91)

Engine Code (CA/49ST /50ST	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	ETW or Test W	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
T3.3BBAA (50ST)	SVX AWD	A-4	3875	7.0	Electronic Control Unit: Fuji's Part No. 22611AC350	EGR Valve: Hitachi APDQ54-129 Fuji's Part No. 14710AA510	Fuji's Part No. Front: 20805AA930 Rear: 20805AA940

Date Issued: 7/03/'95

Revisions: ___

E.O # A-2-98

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

Manufacturer: Fuji Heavy Industries Ltd. Exh Eng Fam: TFJ3.3VJGFEK Evap Eng Fam: TFJ1036BYPA4

All Eng Codes in Eng Fam: CA___ 49S___ 50S x AB965___

Exh Std: Tier-0___ Tier-1 x TLEV___ LEV___ ULEV___ ZEV___ ; EPA Tier-0___ Tier-1 x

Evap Std: 50K x Useful Life with R/L___ In-Use Exh Std: Full In Use___ Alt In Use x

Veh Class(es): PC x LDT1___ LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Fuel Type(s): Dedicated x Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Gasoline x Diesel___

CNG___ LNG___ LPG___ M85___ Other (specify)___

Emiss Test Fuel(s): Indo x Ph2___ CNG___ LPG___ M85___ Other (specify)___

Diesel: 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Service Accum: Std AMA___ Mod AMA x Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A x Std___ Equiv___ R/L Test PRoc: SHED___ Pt SOurce___

Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine):___

Engine Configuration: H06 Displacement: 3.3 / ___ Liters 202 / ___ Cubic Inches

Valves per Cylinder: 4 Rated HP: 230 @ 5400 RPM

Engine: Front x Mid___ Rear___ Drive: FWD___ RWD___ 4WD-FT x 4WD-PT___

Exhaust ECS (e.g., EGR, MFI, TC, CAC): EGR, HO2S, TWC, SFI 2TWC 24025
(use abbreviations per SAE J1930 SEP91)

Engine Code (CA/49ST /50ST	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	ETW or Test W	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
T3.3BBAA (50ST)	SVX AWD	A-4	3875	7.0	Electronic Control Unit: Fuji's Part No. 22611AC350 22611AC351 (R/C #96-9) 22611AC352 (R/C #96-12)	EGR Valve: Hitachi APDQ54-129 Fuji's Part No. 14710AA510	Fuji's Part No. Front: 20805AA930 20805AA870 (R/C#96-11) Rear: 20805AA940 20805AA880 (R/C#96-11)

Date Issued: 7/03/'95

Revisions: 014-10/06/'95 018-10/09/'95 020-12/07/'95