State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-16
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 1983 model-year Fuji Heavy Industries, Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
DFJ1.8T2FCG3	109 (1.8)	Air Injection - Valve Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.41	9.0	1.0

The following are the certification emission values for this engine family:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.22	5.8	0.4

BE IT FURTHER RESOLVED: That the listed vehicle models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 29th day of July, 1982.

K. D. Drachand, Chief
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Fuji Heavy Ind. Executive Order No. A-2-16 Page 1

Engine Family DFJ1.8T2FCG3 Evaporative Family NU

Engine CID (Liters) 109 (1.8)

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emissions Control System
AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
TR-Thermal Reactor
TWC-Three Way Catalyst System

Special Features
CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber

MFI-Mechanical Fuel Injectio
TC-Turbocharged

Fuel System
CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Vehicle Models

AF5 (SUBARU 1800 2-door Hatchback 4WD)
AM5 (SUBARU 1800 Station Wagon 4WD)
AT5 (SUBARU 1800 Open M.P.V. "BRAT")

DRIVE SYSTEM: Front engine/front transaxle and rear axle drive

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1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

__ Passenger Cars x Light-Duty Trucks __ Medium-Duty Vehicles x Gas __ Diesel

Manufacturer Fuji Heavy Industries Ltd. (SUBARU) T.O. #A-2-16

Engine Family DFJ1.8T2FCG3 CID (liter) - Type 109 (1.8) - H04

ECS (Special Features) _____

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System CA, VA, EI Part No.	Fuel System 1 - 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
D1.8T2CM	AF5 AT5	M4	Hitachi D4R80-03	Hitachi DCP306-18	Atsugi AEY78-11	Tune-up 17
	AM5		Fuji Part No. 429878110	Fuji Part No. 429978370	Fuji Part No. 469997371	Vacuum Hose Routing 09
	AM5					
D1.8T2CMA	AF5 AT5					
	AF5 AT5					
D1.8T2CA	AT5	A3	Nippondenso 100291-0080	Hitachi DCP306-19	Hitachi APDQ72-4A	
	AM5					
	AT5		Fuji Part No. 429878602	Fuji Part No. 429978870	Fuji Part No. 469997350	
	AM5					

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -
Revisions:

011981

.13.00.00 - cont.

.02.00 Test horsepower Engine Family: DFJ1.8T2FCG3

The following table is a summary of test horsepower determined by coastdown method described in OMSAPC Advisory Circular No. 55B. Regarding the detailed test results, refer to pages 08.13-3 through 08.13-5.

Car Line	Body Style	Test Horsepower (HP)	Target Coastdown Time (seconds)	Test Weight (lbs.)	A/C Factor Added
SUBARU 4WD	2-door Hatchback 4WD	9.0	11.34	2,500	No
			11.89	2,625	
SUBARU WAGON 4WD	Station Wagon 4WD	8.7	11.85	2,625	No
			12.40	2,750	
		9.6	11.72	2,750	Yes
BRAT 4WD	4WD Open M.P.V.	9.5	11.20	2,500	No
			11.75	2,625	