

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-21  
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 1984 model-year Fuji Heavy Industries, Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
EFJ1.8T5FCJX	109 (1.8)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection) (Turbocharger)

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.41	7.0	0.7

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

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.12	1.7	0.4

BE IT FURTHER RESOLVED: That the listed 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 8<sup>th</sup> day of July, 1983.

  
K. D. Drachand, Chief  
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Fuji Heavy Industries Ltd. Executive Order No. A-2-21  
 Engine Family EFJ1.8T5FCJX Evaporative Family MU  
 Engine CID (Liters) 109 (1.8)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ES-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  
 EFI-Electronic Fuel Injection  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

Fuel System

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

VEHICLE MODELS:

- AW5 (SUBARU 1800 Hardtop 4WD)
- AT5 (SUBARU 1800 4WD Open M.P.V. "BRAT")
- AM5 (SUBARU 1800 Station Wagon 4WD)

DRIVE SYSTEM: Front Engine/ Four-wheel Drive

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 CARB

198 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-2-21

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

Manufacturer Fuji Heavy Industries Ltd. Page EI.8T5CAA

Engine Family EFJ1.8T5FCJX Engine Code EI.8T5CAA

ECS (Special Features) EGR, TWC+CL (EFI, TC) CID (Liter)-Type 109 (1.8) - H04

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equip. Test Weight	Ign. System CA, ESRC, EI Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident. Part No.
EI.8T5CAA	AW5 AT5	A3	2750	Distributor: Hitachi D4R82-03	Injector: JECS A46-000448	Hitachi APDQ54-32	Tune-up: A2
	AM5		2875	Fuji's Part No. 429878710	Fuji's Part No. 429527000	Fuji's Part No. 469998000	Vacuum Hose Routing: DB
				Control Unit: Hitachi KCM-22	Control Unit: JECS A11-000		
				Fuji's Part No. 420887100	Fuji's Part No. 420897320		

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.

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