

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-7  
Relating to Certification of New Motor Vehicles

FUJI HEAVY INDUSTRIES LIMITED

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Fuji Heavy Industries Ltd. exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered passenger cars:

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>             |
|----------------------|--------------------------------------|--|
| DUC                  | 97                                   | Air Injection<br>Exhaust Gas Recirculation<br>(Insulated Exhaust Manifold) |

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

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

| <u>Engine Family</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|----------------------|--|---|---|
| DUC                  | 0.33                                   | 6.3                                       | 0.7                                       |

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 except Motorcycles".

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 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Fuji Heavy Industries Ltd. has provided to the Executive Officer 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 5<sup>th</sup> day of September, 1979.

*K. D. Drachand by [signature]*  
K. D. Drachand, Acting Chief  
Mobile Source Control Division

# 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Fuji Heavy Industries Ltd. Executive Order No. A-2-7 Page 1  
 Engine Family DUC Engine (CID) 97  
 Evaporative Family: SU

## ABBREVIATIONS

### Ignition System

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

### Fuel System

EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

### Exhaust Emissions Control System

AI-Air Injection  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst  
 IEM-Insulated Exhaust Manifold

### Special Features

CCAV-Combustion Chamber Air Valve  
 EFI-Electronic Fuel Injection  
 MFI-Mechanical Fuel Injection  
 TC-Turbo Charged

## Vehicle Models

AF2 (SUBARU 1600 2-Door Hatchback)  
 AB2 (SUBARU 1600 4-Door Sedan)  
 AW2 (SUBARU 1600 Hardtop)  
 AM2 (SUBARU 1600 Station Wagon)  
 AF3 (SUBARU 1600 2-Door Hatchback 4WD)  
 AM3 (SUBARU 1600 Station Wagon 4WD)  
 A69 (SUBARU 1600 4WD Open M.P.V. "BRAT")

## 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars    ☐ Light-Duty Trucks    ☐ Medium-Duty Vehicles    ☒ Gas    ☐ Diesel
Manufacturer Fuji Heavy Industries Ltd.Page 1AEngine Family DUCCID-Type 97-H-4Engine E71AC3Code E71WC3

E71WC4

ECS (Special Features) AI, EGR, IEM

+ 10% (A/C)

Yes      No X

| Engine Code | Vehicle Models<br>(If Coded see attachment) | Trans.     | Test Weight Class<br>(Inertia) | Ign. System<br>CA, VA, VR, EI<br>Mfg. Part No.        | Fuel System<br>1-2V<br>Mfg. Part No. | EGR Valve<br>Part No.  | Label Ident. |
|-------------|---|------------|--------------------------------|---|--------------------------------------|--|--------------|
| E71AC3      | AF2, AB2, AW2                               | M-4<br>M-5 | 2375                           | 029100-6060<br>(Nippondenso)<br>Fuji Part # 420857302 | DCP306-1<br>(Hitachi)                | APDQ72-4<br>(Hitachi)<br>Fuji Part # 469997350<br>or<br>8XHO<br>(Atsugi)<br>Fuji Part # 46998XHO | 61           |
|             | AM2   |            | 2500                           |   |                                      |  |              |
| E71WC3      | A-69  | M-4        |                                | D4H9-02<br>(Hitachi)<br>Fuji Part # 20857400          |                                      |  |              |
| E71WC4      | AM3   |            | 2625                           | D4H9-02<br>(Hitachi)<br>Fuji Part # 42085750          |                                      |  |              |

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, equipment and inertia weight class.

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