## State of California <br> AIR RESOURCES BOARD

EXECUTIVE ORDER A-2-105 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 1998 model-year Fuji Heavy Industries, Ltd. exhaust emission control systems are certified as described below for
passenger cars:
Emission Standard Category: Transitional Low-Emission Vehicle (ILEV)
Fuel Type: Gasoline
Engine Family: WFJXV02.5DCD Displacement: 2.5 Liters (150 Cubic Inches)
Exhaust Emission Control Systems Q Special Features:
Three Way Catalytic Converters (two)
Heated oxygen Sensors (two)
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection
Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The TLEV certification exhaust emission standards for this engine family in grams per mile are:

Non-Methane Carbon Nitrogen Carbon


Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98
The certification exhaust emission values set forth for non-methane organic gases (NMOG) reflect application of a 0.98 RAF for 1998 model-year TLEVs. The TLDV certification exhaust emission values for this engine family in grams per mile are:


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 NMOG exhaust mass emission requirements as set forth in "California Exhaust Emission standarda 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 the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent 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 gtandards.

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 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 Kedium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTEER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent ModelYear Passenger Cars, Light-Duty Trucks, and Medium-Duty vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

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 $9 / 4$ day of March 1997.


Manufacturer: Fuli Heavy Industries Ltd.
Evap Std: 50K $\qquad$
Exh Std: Tier-0 $\qquad$ Tier-1 $\qquad$ TLEV $\qquad$ X LEV $\qquad$ ULEV $\qquad$ ZEV $\qquad$ Exh Engine Family: $\qquad$ WEJXE01101BA Tier- 1 $\qquad$
$\qquad$

Veh Class(es): PC_x LDT1 $\qquad$ LDT2 $\qquad$ MDV 1 $\qquad$ MDV3 $\triangle$ MDV4 MDV5 $\qquad$
NMOG Tost Proc. Stu Equiv. $\qquad$ P/L Test. Proc. Pf. Soutte $x$ ORVR No $x$

Exh Cert Fuel(s): Indo__ Ph2 $x$ Diesel: 13 CCR 2282 $\qquad$ or 40 CFR 86.113-90 $\rightarrow$ or -94 $\qquad$ M85 $\qquad$ CNG $\qquad$ LPG $\qquad$ Other (specify)

## Gasoline $X$ Diesel <br> $\qquad$ M85 <br> $\qquad$

Fuel Type(s): Dedicated x Flex-Fuel $\qquad$ Dual-Fuel $\qquad$ CNG $\qquad$ LNG $\qquad$ LPG $\qquad$ Other (specify) APU Cycle (e.g., Otto, Diesel, Turbine)
Hybrid: Type A__ B $\qquad$
$\qquad$ Displacement:


Liters - 150 /

$\qquad$
$\qquad$
Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR, HO2S(2), TWC(2), SEI
Sarice Accum: AMA Evap TP CA

\#The model is tested at higher ETW in accordance with 40 CFR 86.094-26(a)(2).

Date Issued: 1/17/'97
Revisions:

