

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-183  
Relating to Certification of New Motor Vehicles

MITSUBISHI MOTORS CORPORATION

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 1995 model-year Mitsubishi Motors Corporation exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: SMT1.5VJG2EK Displacement: 1.5 Liters (89.6 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Warm-Up Three Way Catalytic Converter
- Three Way Catalytic Converter
- Heated Oxygen Sensors (two)
- Exhaust Gas Recirculation
- Sequential Multiport Fuel Injection
- On-Board Diagnostic II

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:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
50,000	0.125	3.4	0.4	0.015
100,000	0.156	4.2	0.6	0.018

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a 0.98 RAF for 1995 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
50,000	0.066	1.1	0.2	0.001
100,000	0.074	1.3	0.2	0.001

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 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 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 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 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 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 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 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 3<sup>rd</sup> day of August, 1994.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

17.16.02

E.O.# A-86-183

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS

Manufacturer: Mitsubishi Motors Corporation Exh Engine Family: SMT1.5VJG2EK ( 1.5C )  
 Evap Std: 50K X Useful Life with R/L \_\_\_\_\_ Evap Engine Family: SMT1048BYMOC ( IC )  
 Exh Std: Tier-0 \_\_\_\_\_ Tier-1 \_\_\_\_\_ TLEV X LEV \_\_\_\_\_ ULEV \_\_\_\_\_ ZEV \_\_\_\_\_ ; EPA Tier-0 \_\_\_\_\_ Tier-1 \_\_\_\_\_  
 Veh Class(es): PC X LDT1 \_\_\_\_\_ LDT2 \_\_\_\_\_  
 Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1)  
 Exh Cert Fuel(s): Indo \_\_\_\_\_ Dh2 X \_\_\_\_\_ Diesel: 13 CCR 2282 \_\_\_\_\_ or 40 CFR 86.113-90 \_\_\_\_\_ or -94 \_\_\_\_\_  
 Fuel Type(s): Dedicated X \_\_\_\_\_ Flex-Fuel \_\_\_\_\_ Dual-Fuel \_\_\_\_\_ Gasoline X \_\_\_\_\_ Diesel \_\_\_\_\_ M85 \_\_\_\_\_  
 \_\_\_\_\_ CNG \_\_\_\_\_ LNG \_\_\_\_\_ LPG \_\_\_\_\_ Other (specify) \_\_\_\_\_  
 Hybrid: Type A \_\_\_\_\_ B \_\_\_\_\_ C \_\_\_\_\_, APU Cycle (e.g., Otto, Diesel, Turbine) Otto  
 Engine Configuration: IL4 \_\_\_\_\_ Displacement: 1.5 Liters \_\_\_\_\_ 89.6 Cubic Inches  
 Engine: Front X \_\_\_\_\_ Mid \_\_\_\_\_ Rear \_\_\_\_\_ Drive: FWD X \_\_\_\_\_ RWD \_\_\_\_\_ 4WD-FT \_\_\_\_\_ 4WD-PT \_\_\_\_\_  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR+HO2S(2)+TWC+WUTWC+(SFI+OBD II)§  
 (use abbreviations per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type *1	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
CM(CA)	Eagle Summit	M5	2375	6.0	Distributor: T6T58771	EGR Valve: K5T58982	Front: MR161411
	Mitsubishi Mirage		2500	6.5	ECM: E2T39381	Solenoid: K5T49681	Rear: MR161437
ACM(CA)			2500	6.6 *2			
CA(CA)		A3	2500	6.3			
ACA(CA)			2500 2625	6.9			

- \*1: M-Manual transmission  
L-Automatic transmission with lock-up
- \*2: Tire:P145/80R13
- \*3: Tire:P155/80R13

Date Issued:  
Revisions: 7-28-94 §