State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-185
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: SMT2.4VJG2EK Displacement: 2.4 Liters (143.4 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:

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde
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:

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde
50,000	0.050	0.8	0.1	0.001
100,000	0.054	0.9	0.1	0.002

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 listed vehicle models are certified to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles at the request of the manufacturer based on the assumption that those standards and test procedures in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles" will be amended with the result that the data submitted by the manufacturer for the listed vehicle models would be sufficient to satisfy the requirements applicable to 1995 and subsequent model-year vehicles. The Air Resources Board approved such amendments at a hearing conducted on February 10, 1994. The certification of the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles is **CONDITIONAL** on such amendments becoming effective by January 31, 1995. If such amendments do not become effective by January 31, 1995, the listed vehicle models shall be deemed certified 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" unless the manufacturer demonstrates, to the Executive Officer's satisfaction, that the listed vehicle models comply with the requirements for running loss and useful life standards and test procedures in effect on the date of this certification order.

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 3rd day of August, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

17.16.02

E.O.# A-86-185

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

Manufacturer: Mitsubishi Motors Corporation Exh Engine Family: SMT2.4VJG2EK (2.4C)
Evap Std: 50K___ Useful Life with R/L X Evap Engine Family: SMT1130AYM1L (IL)
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___ Ph2 X Diesel: 13 CCR 2282___ or 40 CFR 86.113-90___ or -94___
M85 ___ CNG___ LPG___ Other (specify) _____
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: 2.4 Liters 143.4 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 Wagon	M5	3250 3375	8.3	Distributor: T6T58671	EGR Valve: MD193660	Front: MR161491
ACM(CA)	Mitsubishi EXPO.LRV		3250 3375	9.1	ECM: E2T61588	Solenoid: K5T49681	Rear: MR126829 (S1)
CA(CA)	Mitsubishi EXPO	L4	3250 3375	8.3			
ACA(CA)			3250 3375	9.1			

*1: M-Manual transmission
L-Automatic transmission with lock-up

Date Issued:
Revisions: 7-28-94 $