State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-190
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 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: TMT1.5VJG2EK Displacement: 1.5 Liters (89.6 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation
Heated Oxygen Sensors (two)
Three Way Catalytic Converter
Warm Up Three-Way Catalytic Converter
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:

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156	4.2	0.6	0.018	n/a

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 1996 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	Carbon Monoxide (20°F)
50,000	0.066	1.1	0.2	0.001	6.2
100,000	0.074	1.3	0.2	0.001	n/a

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 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 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 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.).

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."

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 15th day of August 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Manufacturer: Mitsubishi Motors Corp Exh Engine Family: TMT1.5VJG2EK(1.5C)
Evap Engine Family: TMT1048BYM0C

All Engine Codes in Eng Fam: CA X 49S___ 50S___ AB 965___
Exh Std: CA Tier-1__ TLEV X LEV__ ULEV__ ZEV__ ; US EPA Tier-1__
Evap Std: 50K X Useful Life with R/L__ In-Use Std: Full In-Use X Alt In-Use__
Veh Class(es): PC X LDT1__ LDT2__ MGV1__ MDV2__ MDV3__ MDV4__MDV5__
Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, .., MDV4)
Fuel Type(s): Dedicated X Flex-Fuel__ Dual-Fuel__ Bi-Fuel__ Gasoline X
Diesel__ CNG__ LNG__ LPG__ M85__ Other (specify)_____
Emis Tst Fuel: Indo__ Ph2 X CNG__ LPG__ M85__ Other (specify)_____
Diesel: 13 CCR 2282__ 40CFR 86.113-90__ 40CFR 86.113-94__
Service Accum: Std AMA__ Mod AMA__ Mfr ADP__ Other (specify) AMA4 (Sec 20.07)
NMOG Test Proc: N/A__ Std X Equiv__ R/L Test Proc: SHED__ Pt Source__
Hybrid: Type A__ B__ C__, APU Cycle (e.g., Otto, Diesel, Turbine)_____
Engine Configuration: IL4 Displacement: 1.5 Liters / 89.6 Cubic Inches
Valves per Cylinder: 3 Rated HP: 92 @ 6000 RPM
Engine: Front X Mid__ Rear__ Drive: FWD X RWD__ 4WD-FT__ 4WD-PT__
Exhaust ECS (eg., EGR, MPI, TC, CAC): EGR+HO2S(2)+TWC+WUTWC+SFI
(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 Mitsubishi Mirage	M5	2375 ---- 2500	6.0 ---- 6.5	Distributor: T6T58771 ECM: E2T39381	EGR Valve: K5T58982 Solenoid: K5T49681	Front: MR161411 Rear: MR161437
ACM(CA)			2500	6.6 *2 ---- 7.2 *3			
CA(CA)		A3	2500	6.3			
ACA(CA)			2500 2625	6.9			

*1: M-Manual transmission
A-Automatic transmission
*2: Tire:P145/80R13
*3: Tire:P155/80R13

Revisions: 07-13-95