Fuel

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-195
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:

Fuel Type: Gasoline

Engine Family: TMT2.4VJGKEK Displacement: 2.4 Liters (143.4 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Exhaust Gas Recirculation
Heated Oxygen Sensors (two)
Three Way Catalytic Converter
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards (in-use compliance standards in parentheses) for this engine family in grams per mile are:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (0.4)	10.0 (10.0)
100,000	0.31 (n/a)	4.2 (n/a)	0.6 (n/a)	n/a

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

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
50,000	0.10	1.2	0.1	4.9
100,000	0.11	1.4	0.1	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 non-methane organic gas (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, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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 the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 20 percent of the manufacturer's projected sales of 1996 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced 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 "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 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 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 30th 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: TMT2.4VJGKEK(2.4B)
Evap Engine Family: TMT1048BYMAC

All Engine Codes in Eng Fam: CA__ 49S___ 50S X AB 965___
Exh Std: CA Tier-1 X TLEV__ LEV__ ULEV__ ZEV__ ; US EPA Tier-1 X
Evap Std: 50K X Useful Life with R/L__ In-Use Std: Full In-Use__ Alt In-Use X
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 Test 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 X Std__ Equiv__ R/L Test Proc: SHED__ Pt Source__
Hybrid: Type A__ B__ C__, APU Cycle (e.g., Otto, Diesel, Turbine)_____
Engine Configuration: IL4 Displacement: 2.4 Liters / 143.4 Cubic Inches
Valves per Cyl: 4 Rated HP: 133@5500RPM(2WD CA), 136@5500RPM(4WD CA, Fed all)
Engine: Front X Mid__ Rear__ Drive: FWD X RWD__ 4WD-FT X 4WD-PT__
Exhaust ECS (eg., EGR, MPI, TC, CAC): EGR+HO2S(2)+TWC+SFI
(abbreviations per SAE J1930 SEP91)

Engine Code (also list CAL/FED/BOTH)	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.
ABM(BOTH)	Eagle Summit Wagon Mitsubishi EXPO	M5	3375 3250	9.1	Distributor: MD326587 (T2T59771) ECM: MD320470 (E2T61596)	EGR Valve: MD193660 (HE#) Solenoid: MR161746 (K5T49681)	MB924342 (N6) or XR224992 $
BM(BOTH)				8.3			
ABA(BOTH)		L4	3500 3250	9.1			
BA(BOTH)			3375 3250	8.3			
ABM-F(BOTH)		M5	3625 3500	10.4	Distributor: MD326587 (T2T59771) ECM: MD320470 (E2T61596)	EGR Valve: MD193660 (HE#) Solenoid: MR161746 (K5T49681)	MB906866 (N4) or XR224993 $
BM-F(BOTH)			3625 3375	9.4			
ABA-F(BOTH)		L4	3625 3500	10.4			
BA-F(BOTH)				9.4			

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

Revisions: 06-21-95, 07-13-95