State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-107
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 1989 model-year Mitsubishi Motors Corporation emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family	Displacement Liters (Cubic Inches)		Exhaust Emission Control Systems (Special Features)
KMT2.6T2FB19	2.6	(155.9)	Air Injection - Valve Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst On-Board Diagnostics (Exempted) (Combustion Chamber Valve)

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

The following are the emission standards for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0 - 3750	0.39	9.0	1.0

The following are the certification emission values for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0 - 3750	0.26	4.0	0.6

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission

standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "in lieu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, Section 1968) 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 regulations (Title 13, California Administrative Code, Section 2035 et seq.) and with the 2 year/24,000 mile warranty provisions of Health and Safety Code Section 43204.

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 1st day of July, 1988.

K. D. Drachand, Chief
Mobile Source Division

17.16.02 Supplemental Data Sheet

E.O. # A-86-107

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: Mitsubishi Motors Corporation

Eng. Family: KMT2.6T2FB19 Evap. Family: C

Eng. Type : IL4 Liters (CID): 2.6 (155.9)

ABBREVIATIONS

Ignition System

CA -Centrifugal Advance
ECU -Electronic Control Unit
EI -Electronic Ignition
ESAC-Electronic Spark Advance Control
VA -Vacuum Advance
VR -Vacuum Retard

Exhaust Emissions Control System

AIP -Air Injection-Pump
AIV -Air Injection-Valve
DBC -Dual Bed Catalyst
EGR -Exhaust Gas Recirculation
EIC -Electronic Injection Control (Diesel Only)
EM -Engine Modification
OC -Oxidation Catalyst
OS -Oxygen Sensor
HOS -Heated Oxygen Sensor
SPL -Smoke Puff Limiter or Throttle Delay
TOC -Trap Oxidizer, Continual
TOP -Trap Oxidizer, Periodical
TWC -Three-Way Catalyst
WUOC -Warm-Up Oxidation Catalyst
WUTWC-Warm-Up Three-Way Catalyst

Special Features

CCV -Combustion Chamber Valve
CFI -Central Fuel Injection or Throttle Body Injection
DID -Diesel Injection-Direct
DIP -Diesel Injection-Prechamber
EPFI-Electronic Port Fuel Injection
IC -Intercooler or Aftercooler
MPFI-Mechanical Port Fuel Injection
OBD -On-Board Diagnostics
SC -Supercharger
SFI -Sequential Fuel Injection
TC -Turbocharger

Fuel System

CFI, EPFI, MPFI, SFI,
DID, DIP, HOS, OS
nV-nVenturi Carburetor
VV-Variable Venturi Carburetor

Vehicle Models: Dodge RAM50 2WD, Mitsubishi Truck 2WD, Dodge Power RAM50 4WD, Mitsubishi Truck 4WD, Dodge Raider & Mitsubishi Montero

Engine : Front X Mid ___ Rear ___

Drive : FWD ___ RWD X 4WD Full Time ___ 4WD Part Time X

17.16.02

E.O. # A-86-107

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 2/2

Passenger Cars ____ Light-Duty Trucks X Medium-Duty Vehicles ____
Gas X Diesel ____
Mfr.: Mitsubishi Motors Corporation Eng. Family: KMT2.6T2FB19
Liter (CID): 2.6 (155.9) Eng. Type: IL4
Emission Control Sys.: AIV+EGR+OS+TWC+CCV
(Special Features)

Eng. Code	Vehicle Models (If coded see attachment) (Dyno Hp)	T/M. Type	ETW	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst Part No.
CM ACM	Dodge RAM50 2WD Mitsubishi Truck 2WD	M5	3000 3125 3250	Distributor T3T65572 ECU E2T54981 (for M5)	Carburetor 32-35DID EF-435 (for M5)	K5T55788 (for M5) K5T55789 (for A4)	MD096608 (for 2WD) MD096610 (for 4WD)
CA ACA	Dodge RAM50 2WD Mitsubishi Truck 2WD	A4	3125 3250	E2T54985 (for A4)	32-35DID EF-436 (for A4)		
CM-F ACM-F	Dodge Power RAM50 4WD Mitsubishi Truck 4WD	M5	3375 3500 3625		ECU E2T54981 (for M5) E2T54985 (for A4)		
CA-F ACA-F	Dodge Power RAM50 4WD	A4	3500 3625 3750				
CM-J ACM-J	Dodge Raider Mitsubishi Montero	M5	3625 3750	Distributor T3T65571 ECU E2T55071	Carburetor 32-35DID EF-441 ECU E2T55071	K5T55788	MD096610

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.