

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-108  
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:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
KMT3.0T5FB14	3.0 (181.4)	Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst On-Board Diagnostics (Exempted) (Sequential Fuel Injection)

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

The following are the emission standards for this engine family:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751 - 5750	0.50	9.0	1.0

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

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751 - 5750	0.31	3.3	0.6

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.).

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 1<sup>st</sup> day of July, 1988.

  
K. D. Drachand, Chief  
Mobile Source Division

Manufacturer: Mitsubishi Motors CorporationEng. Family: KMT3.0T5FB14Evap. Family: IEng. Type : V6Liters (CID): 3.0 (181.4)

## ABBREVIATIONS

<u>Ignition System</u>	<u>Exhaust Emissions Control System</u>	<u>Special Features</u>
CA -Centrifugal Advance	AIP -Air Injection-Pump	CCV -Combustion Chamber Valve
ECU -Electronic Control Unit	AIV -Air Injection-Valve	CFI -Central Fuel Injection or Throttle Body Injection
EI -Electronic Ignition	DBC -Dual Bed Catalyst	DID -Diesel Injection-Direct
ESAC-Electronic Spark Advance Control	EGR -Exhaust Gas Recirculation	DIP -Diesel Injection-Prechamber
VA -Vacuum Advance	EIC -Electronic Injection Control (Diesel Only)	EPFI-Electronic Port Fuel Injection
VR -Vacuum Retard	EM -Engine Modification	IC -Intercooler or Aftercooler
	OC -Oxidation Catalyst	MPFI-Mechanical Port Fuel Injection
	OS -Oxygen Sensor	OBD -On-Board Diagnostics
	HOS -Heated Oxygen Sensor	SC -Supercharger
	SPL -Smoke Puff Limiter or Throttle Delay	SFI -Sequential Fuel Injection
	TOC -Trap Oxidizer, Continual	TC -Turbocharger
	TOP -Trap Oxidizer, Periodical	
	TWC -Three-Way Catalyst	
	WUOC -Warm-Up Oxidation Catalyst	
	WUTWC-Warm-Up Three-Way Catalyst	

Fuel System

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

Vehicle Models: Dodge Raider & Mitsubishi MonteroEngine : Front X Mid     Rear    Drive : FWD     RWD X 4WD Full Time     4WD Part Time X

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Passenger Cars      Light-Duty Trucks   X   Medium-Duty Vehicles       
 Gas   X   Diesel       
 Mfr.: Mitsubishi Motors Corporation Eng. Family: KMT3.0T5FB14  
 Liter (CID): 3.0 (181.4) Eng. Type: V6  
 Emission Control Sys.: EGR+OS+TWC+SFI  
 (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.
BM-J ABM-J	Dodge Raider Mitsubishi Montero	M5	3875 4000 4250	Distributor T5T42171	Injector B210H	K5T50384	MD136767
----- BA-J ABA-J	----- Dodge Raider Mitsubishi Montero	----- A4	----- 4000 4250	ECU E2T34671	Throttle Body AC54-102  ECU E2T34671  Air Flow Sensor E5T01371		

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.