

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-52  
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 1985 model-year Mitsubishi Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
FMT1.5V2FCA0	89.6 (1.5)	Air Injection - Valve Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Combustion Chamber Valve)

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.13	2.9	0.3

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 23<sup>rd</sup> day of July, 1984.



K. D. Drachand, Chief  
Mobile Source Division

E.O. No. A-86-52

ABBREVIATIONS

Ignition System

CA - Centrifugal Advance  
EEC - Electronic Engine Control  
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  
CL - Closed Loop  
EGR - Exhaust Gas Recirculation  
EM - Engine Modification  
OC - Oxidation Catalyst System  
TOC - Trap Oxidizer Continual  
TOP - Trap Oxidizer Periodical  
TR - Thermal Reactor  
TWC - Three Way Catalyst System

Special Features

CCV - Combustion Chamber Valve  
CFI - Central Fuel Injection  
DID - Diesel Injection Direct  
DIP - Diesel Injection Prechamber  
EFI - Electronic Fuel Injection  
IC - Intercooler  
MFI - Mechanical Fuel Injection  
TC - Turbocharged

Fuel System

CFI, CL, DID DIP, EFI, MFI  
nV - nVenturi Carburetor  
VV - Variable Venturi

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Revised:

17.16.03.00 1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Mitsubishi Motors Corp. Executive Order No. A-86-52  
 Engine Family 1.5C Evaporative Family CC  
 Passenger Cars X Light-Duty Trucks     Medium-Duty Vehicles      
 Gas X Diesel      
 Engine CID (liter) - Type 89.6 (1.5) - L4  
 ECS (Special Features) AIV+CL+EGR+TWC (CCV)  
 Drive System Front engine / Front drive  
 Add 10% to dyno test HP for air conditioning usage    

Engine Code	Vehicle Model (If Coded see attachment)	Trans.	Body* ETW	Ign. System CA,EI,VA Part No.	Fuel System CL,2V Part No.	EGR Valve Part No.	Label Ident. Part No.
CM-S	Dodge Colt	M4	2-HB	Distributor	28-32 DID	K5T53071	VECI
ACM-S	Plymouth Colt		2250	T3T62671	TF-405		MD086079
	Mitsubishi Mirage				or		or
					28-32 DID		MD101137\$
					TF-409		
CM		M5	2-HB				Vac Hose
ACM			4-SD				MD086408
			2250				
			2375				
			4-HB				
			2250				
CA		A3	2-HB	Distributor	28-32 DID		
ACA			2250	T3T62672	TF-406		
			2375		or		
			4-HB		28-32 DID		
			4-SD		TF-410		
			2375				

- Notes: 1. \*: 2-HB: 2-door hatchback; 4-HB: 4-door hatchback; 4-SD: 4-door sedan  
 2. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment.  
 3. \$: Running change No. 85-1.5V-3; *timing advance.*

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