

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-15  
Relating to Certification of New Motor Vehicles

MITSUBISHI MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Mitsubishi Motors Corporation exhaust emission control systems are certified as described below for 1979 model-year gasoline-powered light-duty trucks.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
4G5MT-C	121.8/155.9	Combustion Chamber Air Valve Exhaust Gas Recirculation Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

<u>Engine Family</u>	<u>Inertia Weight Class</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
4G5MT-C	0-3999	0.30	8.8	1.0

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 except Motorcycles".

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.

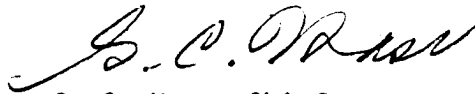
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Vehicles certified under this Executive Order must conform to all applicable California regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 12 day of September, 1978.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Mitsubishi Executive Order No. A-86-15 Page 1  
 Engine Family 4G5MT-C Engine (CID) 121.8/155.9

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EI-Electronic Ignition  
 ESAC  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Exhaust Emissions Control System

AI-Air Injection  
 CCAV-Comb. Chamber Air Valve  
 EFI-Electronic Fuel Injection  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification

Fuel System

EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

ESAC-Electronic Spark Advance  
 Control  
 MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 TC-Turbo Charged  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst  
 (Feedback Control)  
 WOC-Warm-up Oxidation  
 Catalyst

Vehicle Models

OJL4  
 OJP4

Car Line/Type

Plymouth Arrow Pickup Truck  
 Plymouth Arrow Sport Pickup Truck

9JL4  
 9JP4

Dodge D50 Pickup Truck  
 Dodge D50 Sport Pickup Truck

Evaporative Emission Control Family: E-79-T

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A 86-15

Passenger Cars       Light-Duty Trucks       Medium-Duty Vehicles

Manufacturer Mitsubishi Motors Corporation Page 2

Engine Family 4G5MT-C Engine (CID) 121.8 Engine Code -

Emission Control System CCAV, EGR, OC + 10% (A/C) Yes    No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA, VA, EI Distributor Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
4G52MT-C-M	OJL4 9JL4	M-4	2750	T4T60171	30-32 DID TA-83	K5T53671	1) 5+1 <sup>0</sup> BTDC with V <sub>A</sub> connected. 2) Below 0.1% CO. 3) 650+50 rpm.
4G52MT-C-A		A-3					30-32 DID TA-84

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, equipment and inertia weight class.

\*Axle ratio is that of medium duty certification vehicle.

Date of Issue - 9-13-78

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-86-15

Passenger Cars       Light-Duty Trucks       Medium-Duty Vehicles

Manufacturer Mitsubishi Motors Corporation Page 3

Engine Family 4G5MT-C Engine (CID) 121.8 Engine Code -

Emission Control System CCAV, EGR, OC + 10% (A/C) Yes  No

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA, VA, EI Distributor Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
A4G52 MT-C-M*	0JL4 *9JL4	M-4	2750	T4T60171	30-32 DID TA-83	K5T53671	1) 5+1° BTDC with VA connected. 2) Below 0.1% CO. 3) 650+50 rpm.
A4G52 MT-C-A		A-3			30-32 DID TA-84		1), 2) same as above 3) 700+50 rpm in neutral.

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, equipment and inertia weight class.

\*Axle ratio is that of medium duty certification vehicle.

Date of Issue - 9-13-78

\*\*10-27-78 error corrected

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-86-15

Passenger Cars       Light-Duty Trucks       Medium-Duty Vehicles

Manufacturer Mitsubishi Motors Corporation Page 4

Engine Family 4G5MT-C Engine (CID) 155.9 Engine Code -

Emission Control System CCAV, EGR, OC + 10% (A/C) Yes    No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. VA,VA,EI Distributor Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
4G54MT-C-M	OJP4 9JP4	M-5	2750	T4T60171	30-32 DID TA-183	K5T53771	1) 7+1° BTDC with $\bar{V}\bar{A}$ connected. 2) Below 0.1% CO. 3) 850+50 rpm
4G54MT-C-A		A-3			30-32 DID TA-184		

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, equipment and inertia weight class.

\*Axle ratio is that of medium duty certification vehicle.

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