

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-37
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 1983 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>
DMT1.4V2BCA2	86.0 (1.4)	Air Injection - Valve Exhaust Gas Recirculation Oxidation Catalysts (Combustion Chamber Valve)

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

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.47	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.20	2.7	0.6

BE IT FURTHER RESOLVED: That the listed vehicle 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.

Executive Order A-86-32, dated August 4, 1982, is hereby cancelled and superseded.

Executed at El Monte, California this 10th day of August, 1982.


K. D. Drachand, Chief
Mobile Source Control Division

Manufacturer Mitsubishi Motors Corp. Executive Order No. A-86-27 Page 1
 Engine Family DMT1.4V2BCA2 Evaporative Family DMT1.4C
 Engine CID(liter) 86.0(1.4)

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
 CL-Closed Loop
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification
 OC-Oxidation Catalyst
 AIV-Air Injection Valve (Pulse Air Injection)
 TR-Thermal Reactor
 TWC-Three Way Catalyst

Special Features

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

Fuel System

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

Vehicle Models

Carline

1L-24, 1M-24 }
 1L-44 }
 4L-24, 4M-24 }
 4L-44 }

Plymouth Colt
 Dodge Colt

DRIVE SYSTEM: front engine, front drive

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Issue Date:	MAY 26 1982	Date	/	/	EPA Rep.	
Revision Date:						

17.16.03.00 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles Gas Diesel

Manufacturer Mitsubishi Motors Corp.

E.O.# A-86-37

Engine Family DMT1.4V2BCA2

CID(liter)-Type 86.0(1.4)-L4

ECS (Special Features) AIV,CCV,EGR,OC-OC

+ 10% (A/C) Yes No X

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System CA, VA, EI Distributor Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Identi- fication
1.4C-ML A1.4C-ML	1L-24 4L-24	M-4	2,125	T4T62176	28-32 DID TA-270	K5T50996	VECI: MD065040 Vac. Hose: MD065200
	1M-24 4M-24	M-4 x 2					
	1L-44 4L-44		2,250				

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 test weight.

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Issue Date:	NOV 20 1982	Date	/ /	EPA Rep.	
Revision Date:					

Coastdown Road Load Horsepower

(Applicable to 1.4C, 1.6C, 2.6C and 2.6EC engine family vehicles)

Applicable Vehicles (Engine Family)	Trans.	Equivalent Test Weight (lbs.)	Applicable Tire Size	Coastdown Time (Sec.)	Coastdown Horse Power [86.129-80 (c) (3)]
2-door & 4-door hatchback models (1.4C)	M-4	2,125	155SR13*	12.81	7.1
	M-4x2	2,250		13.49	
		2,375		14.08	7.2
2-door & 4-door hatchback models (1.6C)	M-4x2	2,250	155SR13* P175/70R13	13.49	7.1
		2,375		14.08	7.2
	A-3	2,250		13.49	7.1
		2,375		14.08	7.2
		2,500		14.69	
2-door hardtop models (2.6C)	M-5 A-3	3,125	P195/70R14* P215/60R15	14.87	9.6
		3,000		15.24	8.7
2-door hatchback models (2.6EC)	M-5	3,250	P195/70R14* P215/60R15 215/60VR15	15.30	8.8
		3,125		15.63	8.0

* Tire for coastdown test vehicles

Issue Date:	JAN 8 1992				
Revision Date:	FEB 20 1992				

Coastdown Road Load Horsepower

(Applicable to 1.8C engine family vehicles)

Applicable Vehicles (Engine Family)	Trans.	Equivalent Test weight (lbs.)	Applicable Tire Size	Coastdown Time (Sec.)		Coastdown Horse power [86,129-80(c)(3)]	
				With Air Con.	Without Air Con.	With Air Con.	Without Air Con.
4-door sedan models (1.8C)	M-4 x 2 A-3	2,625	P165/80R13* P185/70R14	13,49	14.35	8.7	7.9
2-door hatchback models (1.8C)	M-5	2,500	P165/80R13*	15.13	15.95	6.8	6.6
				M-4 x 2 A-3	2,625	P185/70R13* P165/80R13	14.78

* Tire for coastdown test vehicles

N/A: Not applicable

08.13.02-3

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Issue Date:	DEC 1 1981				
Revision Date:	FEB 26 1982				

08.13.02.00 Test Horsepower
 (Applicable to 1.8C & 2.6EC engine families)

Applicable Vehicles (Engine Family)	Trans.	Tire Size	Tire Type	Frontal Area (ft ²)		Frontal Area Horsepower [86.129-80(c) (2)]
				Vehicle Ref. Frontal Area	Total Protuberance Frontal Area	
4-door sedan models (1.8C)	M-4 x 2	P165/80R13	Radial	19.2	0.49	10.0
	A-3	P185/70R13				
	M-5	P165/80R13				
2-door hatchback models (1.8C)	M-4 x 2	P165/80R13	Radial	18.2	0.52	9.5
	A-3	P185/70R13				
	M-5	P195/70R14 P215/60R15 215/60VR15				
2-door hatchback models (2.6EC)	M-5			18.1	0.47	9.4

Note: Test horsepower values do not include the 10% air conditioning load factor.

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