

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-292-35  
Relating to Certification of New Motor Vehicles

MITSUBISHI MOTOR MANUFACTURING OF AMERICA. INC.

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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1997 model-year Mitsubishi Motor Manufacturing of America, Inc. exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: VDS2.0VJGFEK Displacement: 2.0 Liters (121.9 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Exhaust Gas Recirculation
- Heated Oxygen Sensors (two)
- Three Way Catalytic Converter
- Sequential Multiport Fuel Injection
- Turbocharger
- Charge Air Cooler

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

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.16	1.4	0.2	4.8
100,000	0.18	1.6	0.2	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth 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 under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

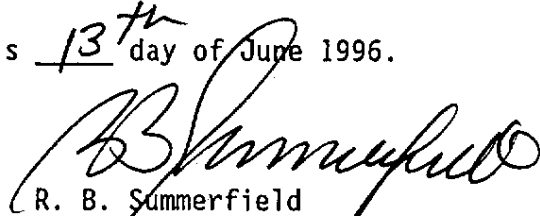
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned 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 provisions (Title 13, California Code of Regulations, 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 13<sup>th</sup> day of June 1996.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

'97MY  
(1/2)

17.16.02

E.O.# A-292-35

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS

Manufacturer : Mitsubishi Motor Manufacturing of America, Inc.  
Exh Engine Family : VDS2.0VJGF EK(2.0B-T)  
Evap Engine Family: VDS1062AYMAH(2WD) & VDS1062AYPAK(4WD)

All Eng Codes in Eng Fam: CA\_\_\_ 49S\_\_\_ 50S X  
Exh Std : CA Tier-1 X TLEV\_\_\_ LEV\_\_\_ ULEV\_\_\_ ZEV\_\_\_ ;EPA Tier-0\_\_\_ Tier-1 X  
Evap Std : 50K X Useful Life with R/L\_\_\_  
In-Use Exh Std: Full in Use x Alt In Use\_\_\_  
\$

Veh Class(es): PC X LDT1\_\_\_ LDT2\_\_\_  
Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1)  
Fuel Type(s) : Dedicated X Flex-Fuel\_\_\_ Dual-Fuel\_\_\_ Bi-Fuel\_\_\_ Gasoline X  
Diesel\_\_\_ CNG\_\_\_ LNG\_\_\_ LPG\_\_\_ M85\_\_\_ Other (specify)\_\_\_  
Emis Test Fuel: Indo X Ph2\_\_\_ CNG\_\_\_ LPG\_\_\_ M85\_\_\_ Other (specify)\_\_\_  
Diesel: 13 CCR 2282\_\_\_ or 40 CFR 86.113-90\_\_\_ or -94\_\_\_

Service Accum : Std AMA\_\_\_ Mod AMA X Mfr ADP\_\_\_ Other (specify)\_\_\_  
NMOG Test Proc: N/A\_\_\_ Std X Equiv\_\_\_  
R/L Test Proc : SHED X Pt Source\_\_\_  
Hybrid : Type A\_\_\_ B\_\_\_ C\_\_\_, APU Cycle (e.g., Otto, Diesel, Turbine)\_\_\_

Engine Configuration: IL4 Displacement: 2.0 Liters/ 121.9 Cubic Inches \$  
Valves per Cylinder : 4 Rated HP: 210 @ 6000 RPM (for Manu. Trans)  
: 205 @ 6000 RPM (for Auto. Trans)

Engine : Front X Mid\_\_\_ Rear\_\_\_  
Drive : FWD X RWD\_\_\_ 4WD-FT X 4WD-PT\_\_\_  
Exhaust ECS (eg., EGR, MFI, TC, CAC): EGR+H02S(2)+TWC+SFI+TC+CAC  
(use abbreviations per SAE J1930 SEP91)

Revised: May 1, 1996 \$

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1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS

Manufacturer : Mitsubishi Motor Manufacturing of America, Inc.  
 Exh Engine Family : VDS2.0VJGFEX(2.0B-T)  
 Evap Engine Family: VDS1062AYMAH(2WD) & VDS1062AYPAK(4WD)

Engine Code (also list CAL/FED/BOTH)	Vehicle Models (if coded see attachment)	Trans. Type *1	RTW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
ABM(BOTH)	Mitsubishi Eclipse	M5	3375	6.1	ECM: MD335287 (E2T61687)	EGR Valve: MD199373 (PE#)	MR312331
BM(BOTH)	Eagle Talon		3250	5.5			
ABA(BOTH)		L4	3500 3375	6.1			
BA(BOTH)			3375	5.5			
ABM-C(BOTH)	Mitsubishi Eclipse	M5	3500 \$	6.3	ECM: MD326328 (E2T61683)	EGR Valve: MD199373 (PE#)	MR312623
BM-C(BOTH)	Convertible		3375	5.7			
ABA-C(BOTH)		L4	3500	6.3			
BA-C(BOTH)				5.7			
ABM-F(BOTH)	Mitsubishi Eclipse	M5	3625	7.2	ECM: MD326328 (E2T61683)	EGR Valve: MD199373 (PE#)	MR312623
BM-F(BOTH)	Eagle Talon		3500	6.6			
ABA-F(BOTH)		L4	3750	7.2			
BA-F(BOTH)			3625	6.6			

\*1: M-Manual transmission  
L-Automatic transmission with lock-up

Revised: April 15, 1996 \$

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