

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-285-4  
Relating to Certification of New Motor Vehicles

DAIHATSU MOTOR COMPANY, LTD.

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 1990 model-year Daihatsu Motor Company, Ltd. emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LDH1.3V5HHC5    Displacement: 1.3 Liters (79.0 Inches<sup>3</sup>)

Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation	On-Board Diagnostic System
Three-Way Catalyst	Multipoint Electronic Fuel Injection
Oxygen Sensor	

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>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.41	7.0	0.4

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

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.10	0.6	0.1

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 Code of Regulations, 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 Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, 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 provisions (Health and Safety Code Section 43205).

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 15<sup>th</sup> day of May, 1989.



K. D. Drachand, Chief  
Mobile Source Division

17.12.00 CARB Supplemental Data Sheet

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Manufacturer DAIHATSU MOTOR CO., LTD. Eng. Family LDH1.3V5HHCS

Pass Cars X Lt-Duty Trucks      Med-Duty Vehicles      Gas X Diesel       
 Inline 4

Eng. Type 4 Cycle Liter (CID) 1.295 (79.0) Evap. Family EV-1

Emission Control Sys. (Use SAE Abbv.) EGR + TWC(2) + D2S (MPI)

Engine: Front X Mid.      Rear      Drive: FWD X RWD      4WD-FT      4WD-PT     

Eng. Code: (Cert Std.)	Veh. Models (if Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. Sys. (ECU/PROM) Part No.	EGR Syst. Part No.	Catalyst Part No.
1 (W/ A/C)	CHARADE (3 & 4 Door)*	M5	2250	6.1	89661-87721	25620-87101	18461-87707
	CHARADE E	M5	2125	6.1	89661-87721	25620-87101	18461-87708
2 (W/O A/C)	CHARADE (3 & 4 Door)*	M5	2250	6.1	89661-87721	25620-87101	18461-87707
	CHARADE E	M5	2125	6.1	89661-87721	25620-87101	18461-87708
3 (W/ A/C)	CHARADE (3 & 4 Door)*	A3	2250	6.2	89661-87721	25620-87101	18461-87707
4 (W/O A/C)	CHARADE (3 & 4 Door)*	A3	2250	6.2	89661-87721	25620-87101	18461-87708

Comments: Engine codes 1 and 3 are equipped with A/C ("idle up" system) as optional equipment. Engine codes 2 and 4 are not equipped with A/C ("idle up").  
 Less than 55 percent of the CHARADE carline and the CHARADE E carline is expected to be equipped with A/C. Therefore the A/C weight is not included to determine the ETW range and the dyno. HP is not increased by 10 percent.  
 \* 4 Door Body Style (option rate less than 33%) added by R/C LDH1.3=001, April 4, 1989.

Date of Issue: 3-30-89

Revisions: