State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-285-2
Relating to Certification of New Motor Vehicles

DAIHATSU MOTOR CO., 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 1989 model-year Daihatsu Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems (Special Features)
KDH1.3V5HHC4	1.3	(79)	Exhaust Gas Recirculation Three-Way Catalyst (Two) Oxygen Sensor (Electronic Port Fuel Injection) (On-Board Diagnostics)

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

The following are the emission standards for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.41	7.0	0.4

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
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 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 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 Tune-Up 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 regulations (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 12th day of December, 1988.

K. D. Drachand, Chief
Mobile Source Division

17.15.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer DAIHATSU

Engine Family KDH1.3V5HHC4

Evaporative Family EV-1

Engine Type Inline-4, 4cycle

Liters (CID) 1.295 (79.0)

ABBREVIATIONS

Ignition System	Exhaust Emissions Control System	Special Features
CA-Centrifugal Advance	EGR-Exhaust Gas Recirculation	EPFI-Electric port fuel Injection
VA-Vacuum Advance	TWC(2)-Three-Way Catalysts (at exhaust manifold and under floor) System	OBD-On-Board Diagnostics
	OS-Oxygen Sensor	

Fuel System

EPFI, OS

Vehicle Model :

CHARADE
CHARADE E

Engine : Front X Mid. ____ Rear ____

Drive : FWD X RWD ____ 4WD Full Time ____ 4WD Part Time ____

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1989 AIR RESOUCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars X Light-Duty Trucks ____ Medium-Duty Vehicles ____

Gas X Diesel ____

Manufacturer DAIHATSU Engine Family KDH1.3V5HHC4

Liter (CID) 1.295 (79.0) Engine Type Inline-4, 4-cycle

Emission Control System (Special Features) EGR + TWC(2) + OS (EPFI)

Engine Code	Vehicle Models (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (Dist.) Part No.	Fuel System (ECU) Part No.	EGR Valve Part No.	Catalysts Part Nos.
1	CHARADE (6.1 HP)	M5	2250	19060-87107	89660-87717	25620-87101	18461-87707 18461-87708
	CHARADE E (6.1 HP)	↑	2125	↑	↑	↑	↑
2	CHARADE (6.1 HP)	↑	2250	↑	↑	↑	↑
	CHARADE E (6.1 HP)	↑	2125	↑	↑	↑	↑
3	CHARADE (6.2 HP)	A3	2250	19060-87715	↑	↑	↑
4	CHARADE (6.2 HP)	↑	↑	↑	↑	↑	↑

Comments : * See page one for abbreviations and evaporative emission family identification.

* Engine Codes 1 and 3 are equipped with A/C ("Idle-up" system) as optional equipment. Codes 2 and 4 are not equipped with A/C("Idle-up"). Less than 33 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 EIW range and the dyno. HP is not increased by 10 percent.