

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-285-1
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. emission control systems are certified as described below for gasoline-powered passenger cars:

| <u>Engine Family</u> | <u>Displacement Liters (Cubic Inches)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|---|
| KDH1.0V5FCB2 | 1.0 (61) | Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst (Electronic Port Fuel Injection) On-Board Diagnostics (Exempted) |

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

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> |
|--|---|---|
| 0.13 | 2.2 | 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 Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, 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 Administrative Code, 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 27th day of June, 1988.



K. D. Drachand, Chief
Mobile Source Division

Manufacturer DAIHATSU Engine Family KDHL0V5FCB2
 Evaporative Family EV-1 Engine Type Inline-3, 4cycle
 Liters (CID) 0.993 (60.6)

ABBREVIATIONS

| <u>Ignition System</u> | <u>Exhaust Emissions Control System</u> | <u>Special Features</u> |
|---------------------------------------|---|-------------------------------|
| EEC-Electronic Engine Control | EGR-Exhaust Gas Recirculation | EFI-Electronic Fuel Injection |
| ESAC-Electronic Spark Advance Control | TWC-Three-Way Catalyst System | |
| | OS-Oxygen Sensor | |

Fuel System

EFI

Vehicle Model :

CHARADE

Engine : Front X Mid. Rear
 Drive : FWD X RWD 4WD Full Time 4WD Part Time

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Gas X Diesel _____

Manufacturer DAIHATSU Engine Family KDHL0V5FCB2

Liter (CID) 0.993 (60.6) Engine Type Inline-3, 4-cycle

Emission Control System (Special Features) EGR + TWC + OS (EFI)

| Engine Code | Vehicle Models (Dyno Hp) | Trans. Type | Equiv. Test Weight | Ign. System (ECU) Part No. | Fuel System (ECU) Part No. | EGR Valve Part No. | Catalyst Part No. |
|-------------|---|-------------|--------------------|-------------------------------|-------------------------------|-----------------------|----------------------|
| 1 | CHARADE (7.5 HP) (G100LS-FMLEA) (↑ -FMBEA) (↑ -FMDEA) | M5 | 2125 | 89661-87706 | 89661-87706 | 25620-87735 | 18461-87707 |
| 2 | CHARADE (6.8 HP) (G100LS-FMLEA) (↑ -FMBEA) (↑ -FMDEA) | M5 | 2125 | 89661-87706 | 89661-87706 | 25620-87735 | 18461-87707 |

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

* The difference between Engine Code 1 and 2 depends on only A/C.