State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-82
Relating to Certification of New Motor Vehicles

HONDA 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 1990 model-year Honda Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LHN1.5V5FMC5 Displacement: 1.5 Liters (91 Inches$^3$)

Exhaust Emission Control Systems (Special Features):

Three-Way Catalyst
Oxygen Sensor
Exhaust Gas Recirculation
Throttle Body Electronic Fuel Injection
On-Board Diagnostics

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

The following are the exhaust emission standards for this engine family:

| Hydrocarbons (Grams per Mile) | Carbon Monoxide (Grams per Mile) | Nitrogen Oxides (Grams per Mile) |
|---|---|---|
| 0.39 | 7.0 | 0.4 |

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

| Hydrocarbons (Grams per Mile) | Carbon Monoxide (Grams per Mile) | Nitrogen Oxides (Grams per Mile) |
|---|---|---|
| 0.12 | 2.2 | 0.2 |

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 requirements of 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 (California 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 11th day of August, 1989.

for K. D. Drachand, Chief
Mobile Source Division

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-23-82 Page 1

Manufacturer HONDA Engine Family LHN1.5V5FMC5

Pass Cars X Lt-Duty Trucks ___ Med-Duty Vehicles ___ Gas X Diesel ___

Eng. Type L-4 Liter (CID) 1.5 (91) Evap. Family 90FD

Emission Control Sys. (Use SAE Abbrv.) O2S/TWC/TBI/EGR

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

| Eng. Code/ (Cert Std.) | Veh. Models (If Coded see Attachment.) | Trans. Type: A-Auto M-MAN. | Equiv. Test Weight | RLHP or DPA | Ign. Sys. (ECU/PROM) Part No. (Vendor's) | EGR Sys. Part No. (Vendor's) | Catalyst Part No. (Vendor's) |
|---|---|---|---|---|---|---|---|
| LM3 | Civic Sedan LX | A | 2625 | 7.6 | EI Distributor: 30100-PM5 -A050(TD-01U) ECU: 37820-PM5 -L591(37820 -PM5-L59) | EGR Valve: 18710-PM5 -L511(10S) | 18150-PM5 -6610(HEL) |
| | Civic Wagon | A | 2750 | 8.6 | | | |
| LM3/1 | Civic Sedan LX | A | 2750 | 8.4 | | | |
| | Civic Wagon | A | 2750 | 9.5 | | | |

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Manufacturer HONDA Engine Family LHN1.5V5FMC5

Pass Cars X Lt-Duty Trucks ___ Med-Duty Vehicles ___ Gas X Diesel ___

Eng. Type L-4 Liter (CID) 1.5 (91) Evap. Family 90FD

Emission Control Sys. (Use SAE Abbrv.) O2S/TWC/TBI/EGR

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

| Eng. Code/ (Cert Std.) | Veh. Models (If Coded see Attachment.) | Trans. Type: A-Auto M-MAN. | Equiv. Test Weight | RLHP or DPA | Ign. Sys. (ECU/PROM) Part No. (Vendor's) | EGR Sys. Part No. (Vendor's) | Catalyst Part No. (Vendor's) |
|---|---|---|---|---|---|---|---|
| LM3-37 | Civic Sedan LX | A | 2625 | 7.6 | EI Distributor: 30100-PM5 -A053(TD-01U) ECU: 37820-PM5 -L593(37820 -PM5-L59) | EGR Valve: 18710-PM5 -L511(10S) | 18150-PM5 -6610(HEL) |
| | Civic Wagon | A | 2750 | 8.6 | | | |
| LM3/1-37 | Civic Sedan LX | A | 2750 | 8.4 | | | |
| | Civic Wagon | A | 2750 | 9.5 | | | |

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1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-23-82 Page 1.2

Manufacturer HONDA Engine Family LHN1.5V5FMC5

Pass Cars X Lt-Duty Trucks ___ Med-Duty Vehicles ___ Gas X Diesel ___

Eng. Type L-4 Liter (CID) 1.5 (91) Evap. Family 90FD

Emission Control Sys. (Use SAE Abbrv.) O2S/TWC/TBI/EGR

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

| Eng. Code/ (Cert Std.) | Veh. Models (If Coded see Attachment.) | Trans. Type: A-Auto M-MAN. | Equiv. Test Weight | RLHP or DPA | Ign. Sys. (ECU/PROM) Part No. (Vendor's) | EGR Sys. Part No. (Vendor's) | Catalyst Part No. (Vendor's) |
|---|---|---|---|---|---|---|---|
| LM3-40 | Civic Sedan LX | A | 2625 | 7.6 | EI Distributor: 30100-PM5 -A053(TD-01U) ECU: 37820-PM5 -L800(37820 -PM5-L80) | EGR Valve: 18710-PM5 -L511(10S) | 18150-PM5 -6610(HEL) |
| | Civic Wagon | A | 2750 | 8.6 | | | |
| LM3/1-40 | Civic Sedan LX | A | 2750 | 8.4 | | | |
| | Civic Wagon | A | 2750 | 9.5 | | | |

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