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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-4-1 Relating to Certification of New Motor Vehicles

HONDA MOTOR COMPANY, LTD.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Honda Motor Company Ltd. exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 77ED-1 Transmission: 2 Speed Semi-Automatic, 4 Speed Manual or 5 Speed Manual Exhaust Emission Control Systems: CVCC (Engine Modification)

Engine: 90.8 CID Model: Honda Civic CVCC 2 Door Sedan * Honda Civic CVCC 3 Door Sedan Honda Civic CVCC 5 Door Wagon**

Engine: 97.6 CID Model: Honda Accord CVCC**

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* Not available with 5 speed manual or 2 speed Semi-Automatic ** Not available with 5 speed manual *** Not available with 4 speed manual

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

| Engine Family | Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---------------|----------------|-----------------|-----------------|
| | Grams per Mile | Grams per Mile | Grams per Mile |
| 77ED-1 | 0.3 | 4.1 | 1.3 |

HONDA MOTOR COMPANY, LTD.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executive Order A-23-4 dated December 17, 1976 is hereby rescinded.

Executed at El Monte, California, this 17 day of January, 1977.

S.C. MANN

G. C. Hass, Chief Vehicle Emissions Control Division

| Manufacture | X Pi | assenger | Cars [| Light-Duty | Order No. | <u>A-23-4</u> Page 1 | | |
|---|--------------------------------|--------------------------|---|---|---|--|--|--|
| Engine Fami | 1y7 | 7ED-1 | | Engine (CID) | 90.807 | Engine Code | | |
| Emission Co | ontrol S | ystem | CVCC | | +10%(A/C) Yes NoX | | | |
| Vehicle Models (If Coded see attachment) | Trans | Inertia Weight | Distributor Type C,V Mfgr. Part Number | Fuel System Type 1-3V Mfgr. Part Number | EGR System Part No. Service* | n Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed | | |
| Civic CVCC 2 Door Sedan Civic CVCC 3 Door Sedan | M/T4 M/T4 M/T5 | 2000 | Hitachi D412-A3 | Keihin CA12A | | 2°BTDC @800+50RPM vacuum line to distri- butor remain connected Below 0.4% CO 800+50RPM in Neutral | | |
| Civic CVCC 5 Door Wagon | M/T4 | 2250 | D412-A4 | | | | | |
| | | | | | | | | |
| Comments: Fifth gear is used at speeds above 45 MPH. For the first 10 minutes of cold engine operations, fifth gear should not be engaged. Axle ratio 4.066, 4.428 (wagon only) | | | | | | | | |
| Date of Issue | : 1217 | 76; Rev | 7. 011177 | | | | | |
| L Abbreviations Distributor C-Centrifugal A V-Vacuum Advanc MR-Vacuum Retar HEI-High Energy | dvance ce rd / Igniti | E A C E on E | xhaust Emiss I-Air Inject AI-Catalyst FI-Electroni GR-Exhaust G | tion Control tion Air Injectio c Fuel Injectio as Recircula | System OC on PA ction RC ation TF | C-Oxidation Catalyst AI-Pulse Air Injection C-Reduction Catalyst R-Thermal Reactor | | |

EI-Electronic Ignition Fuel System EFI, FI nV-nVenturi Carburetor VV-Variable Venturi CAI-Catalyst Air Injection EFI-Electronic Fuel Injection EGR-Exhaust Gas Recirculation EM-Engine Modification EFE-Early Fuel Evaporation ESAC-Electronic Spark Advance Control FI-Fuel Injection

RC-Reduction Catalyst TR-Thermal Reactor TWC-Three Way Catalyst λ -Air Fuel Ratio Sensor *Service T-Inspect, repair/replace as needed R-Replace

| 1977 AIR RI | ESOURCES | BOARD | SUPPLEMENTAL | DATA | SHEET |
|-------------|----------|-------|---------------|--------|-------|
| X Passenge | er Cars | |]Light-Duty ` | Trucks | 5 |

| | Manufacturer <u>Honda Motor Company, Ltd.</u> Executive Order No. <u>A-23-4</u> Page | | | | | | | | |
|---|---|-------|-------------------|--|--|------------------------------------|---|--|--|
| | Engine Family 77ED-1 Engine (CID) 90.807 Code | | | | | | | | |
| | Emission Control System <u>CVCC</u> +10%(A/C) Yes No[X] | | | | | | | | |
| | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight | Distributor Type C,V,VR Mfgr. Part Number | Fuel System Type 1-3V Mfgr. Part Number | EGR System Part No. Service* | Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed | | |
| | Civic CVCC 3 Door Sedan | SA2 | 2000 | Hitachi D4J6-02 | Keihin CA12A | | 2°BTDC@700+50 RPM in gear; vacuum line remain connected Below 0.4% 700+50RPM in gear | | |
| | Civic CVCC 5 Door Wagon | | 2250 | | CA12B | | TDC@700+50 RPM in gear; vacuum line remain connected Same as above Same as above | | |
| | | | | | | | | | |
| | Comments: Shift speed (1 to 2) 20MPH | | | | | | | | |
| | Axle ratio 4. | 117 | | | | | | | |
| A second s | Date of Issue | | | | | | | | |
| | AbbreviationsDistributorExhaust Emission Control SystemC-Centrifugal AdvanceAI-Air InjectionV-Vacuum AdvanceCAI-Catalyst Air Injection?-Vacuum RetardEFI-Electronic Fuel InjectionTEI-High Energy IgnitionEGR-Exhaust Gas RecirculationEI-Electronic IgnitionEM-Engine ModificationFuel SystemEFE-Early Fuel EvaporationEFI, FIESAC-Electronic Spark AdvanceNV-NVenturi CarburetorFI-Fuel InjectionVV-Variable VenturiFI-Fuel Injection | | | | | | | | |

| | • | X Pa | assenger | Cars | Light-Duty | AL DATA SHE V Trucks | 2 2 1 | |
|---|--|-------------------------------------|---|---|--|--|--|--|
| Manufacturer <u>Honda Motor Company Ltd</u> Executive Order No. <u>23-4</u> Page <u>3</u> | | | | | | | | |
| | Engine Fami | -1 | | Engine (CID) 97.633 Code | | | | |
| | Emission Co | Emission Control System <u>CVCC</u> | | | +10%(A/C) Yes No X | | | |
| | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight | Distributor Type C.V Mfgr. Part Number | Fuel System Type 1-3V Mfgr. Part Number | EGR System Part No. Service* | n Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed | |
| | Accord CVCC | М/Т5 | 2250 | Hitachi D412-A3 | Keihin CA15A | | 2°BTDC@800 ±50 RPM in neutral; vacuum line connected Below 0.4% 800±50 RPM in neutral | |
| | | SA2 | | D436-02 | CA15B | | TDC @680+ 50RPM in gear; vacuum line remain connected Same as above 680+50RPM in gear | |
| | | | | | | | | |
| | Comments Fifth gear is used at speeds above 45 MPH but not the first 10 minutes of cold engine operation. Shift speed for SA 2 transmission is 20 MPH (1 to 2). Axle Ratio: 4.266, 4.117 (SA2) | | | | | | | |
| | Date of Issue : 121776; Rev. 011177 | | | | | | | |
| | Abbreviations Distributor C-Centrifugal A V-Vacuum Advanc X-Vacuum Retar HEI-High Energy EI-Electronic I Fuel System EFI, FI nV-nVenturi Car VV-Variable Ven | E On E E E F | xhaust Emiss I-Air Inject AI-Catalyst FI-Electroni GR-Exhaust (M-Engine Moo FE-Early Fue SAC-Electron Cont I-Fuel Injec | sion Control System tion Air Injection ic Fuel Injection Gas Recirculation dification el Evaporation nic Spark Advance trol | | C-Oxidation Catalyst AI-Pulse Air Injection C-Reduction Catalyst R-Thermal Reactor WC-Three Way Catalyst -Air Fuel Ratio Sensor Service I-Inspect, repair/replace as needed R-Replace | | |

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R-Replace