

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\*\*

- \* 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:

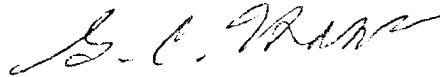
| <u>Engine Family</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|----------------------|--|---|---|
| 77ED-1               | 0.3                                    | 4.1                                       | 1.3                                       |

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Executive Order A-23-4 dated December 17, 1976 is hereby rescinded.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



G. C. Hass, Chief  
Vehicle Emissions Control Division

Manufacturer Honda Motor Company, Ltd. Executive Order No. A-23-4 Page 1

Engine Family 77ED-1 Engine (CID) 90.807 Engine Code \_\_\_\_\_

Emission Control System CVCC +10%(A/C) Yes  No

| Vehicle Models<br>(If Coded see attachment) | Trans        | Inertia Weight | Distributor                      | Fuel System                       | EGR System           | Tune-Up Specification<br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed                                    |
|---|--------------|----------------|----------------------------------|-----------------------------------|----------------------|--|
|   |              |                | Type C,V<br>Mfgr.<br>Part Number | Type 1-3V<br>Mfgr.<br>Part Number | Part No.<br>Service* |  |
| Civic CVCC<br>2 Door Sedan                  | M/T4         | 2000           | Hitachi<br>D412-A3               | Keihin<br>CA12A                   |                      | 1) 2°BTDC @800+50RPM<br>vacuum line to distributor remain connected<br>2) Below 0.4% CO<br>3) 800+50RPM in Neutral |
| Civic CVCC<br>3 Door Sedan                  | M/T4<br>M/T5 |                |                                  |                                   |                      |  |
| Civic CVCC<br>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 : 121776; Rev. 011177

**Abbreviations**

- Distributor  
 C-Centrifugal Advance  
 V-Vacuum Advance  
 VR-Vacuum Retard  
 HEI-High Energy Ignition  
 EI-Electronic Ignition  
Fuel System  
 EFI, FI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

- Exhaust Emission Control System  
 AI-Air Injection  
 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

- OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 RC-Reduction Catalyst  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst  
 λ-Air Fuel Ratio Sensor  
 \*Service  
 I-Inspect, repair/replace as needed  
 R-Replace

Manufacturer Honda Motor Company, Ltd. Executive Order No. A-23-4 Page 2

Engine Family 77ED-1 Engine (CID) 90,807 Engine Code \_\_\_\_\_

Emission Control System CVCC +10%(A/C) Yes  No

| Vehicle Models<br>(If Coded see<br>attachment) | Trans | Inertia<br>Weight | Distributor          | Fuel System          | EGR System | Tune-Up Specification<br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed                                 |
|--|-------|-------------------|----------------------|----------------------|------------|---|
|  |       |                   | Type C,V,VR          | Type 1-3V            | Part No.   |   |
|  |       |                   | Mfgr.<br>Part Number | Mfgr.<br>Part Number |            |   |
| Civic CVCC<br>3 Door Sedan                     | SA2   | 2000              | Hitachi<br>D4J6-02   | Keihin<br>CA12A      |            | 1) 2°BTDC@700+50<br>RPM in gear;<br>vacuum line remain<br>connected<br>2) Below 0.4%<br>3) 700+50RPM in<br>gear |
| Civic CVCC<br>5 Door Wagon                     |       | 2250              |                      | CA12B                |            | 1) TDC@700+50<br>RPM in gear;<br>vacuum line<br>remain connected<br>2) Same as above<br>3) Same as above        |

Comments: Shift speed (1 to 2) 20MPH

Axle ratio 4.117

Date of Issue

**Abbreviations**

Distributor

- C-Centrifugal Advance
- V-Vacuum Advance
- R-Vacuum Retard
- HEI-High Energy Ignition
- EI-Electronic Ignition

Fuel System

- EFI, FI
- nV-nVenturi Carburetor
- VV-Variable Venturi

Exhaust Emission Control System

- AI-Air Injection
- 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

- OC-Oxidation Catalyst
- PAI-Pulse Air Injection
- RC-Reduction Catalyst
- TR-Thermal Reactor
- TWC-Three Way Catalyst
- λ-Air Fuel Ratio Sensor

\*Service

- I-Inspect, repair/replace as needed
- R-Replace

Manufacturer Honda Motor Company Ltd Executive Order No. 23-4 Page 3  
 Engine Family 77ED-1 Engine (CID) 97.633 Engine Code \_\_\_\_\_  
 Emission Control System CVCC +10%(A/C) Yes  No

| Vehicle Models<br>(If Coded see attachment) | Trans | Inertia Weight | Distributor                      | Fuel System                       | EGR System           | Tune-Up Specification<br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed                                  |
|---|-------|----------------|----------------------------------|-----------------------------------|----------------------|--|
|   |       |                | Type C.V<br>Mfgr.<br>Part Number | Type 1-3V<br>Mfgr.<br>Part Number | Part No.<br>Service* |  |
| Accord CVCC                                 | M/T5  | 2250           | Hitachi<br>D412-A3               | Keihin<br>CA15A                   |                      | 1) 2°BTDC@800<br>+50 RPM in<br>neutral; vacuum<br>line connected<br>2) Below 0.4%<br>3) 800+50 RPM<br>in neutral |
|   | SA2   |                | D436-02                          | CA15B                             |                      | 1) TDC @680+<br>50RPM in gear;<br>vacuum<br>line remain connected<br>2) Same as above<br>3) 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 Advance  
 V-Vacuum Advance  
 X-Vacuum Retard  
 HEI-High Energy Ignition  
 EI-Electronic Ignition  
Fuel System  
 EFI, FI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emission Control System

AI-Air Injection  
 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

OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 RC-Reduction Catalyst  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst  
 λ-Air Fuel Ratio Sensor

\*Service  
 I-Inspect, repair/replace  
           as needed  
 R-Replace