State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-8
Relating to Certification of New Motor Vehicles

HONDA MOTOR CO. LTD.

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Honda Motor Co. Ltd. exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered passenger cars.

| Engine Family | Displacement Cubic Inches | Exhaust Emission Control Systems (Special Features) |
|---|---|---|
| A80C | 91 | Engine Modification - CVCC<br>Exhaust Gas Recirculation<br>Oxidation Catalyst |

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

| Engine Family | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| A80C | 0.27 | 3.6 | 0.8 |

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 except Motorcycles".

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 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Honda Motor Co. Ltd. has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 4th day of October, 1979.

K. D. Drachand, Acting Chief
Mobile Source Control Division

# 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Honda Motor Co. Executive Order No. A-23-8 Page 1

Engine Family A80C Engine (CID) 91

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AI-Air Injection
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst
PAI-Pulse Air Injection
TR-Thermal Reactor
TWC-Three Way Catalyst

Special Features
CCAV-Combustion Chamber Air Valve
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbo Charged

| Engine Code | Model |
|---|---|
| CA, CA/1<br>CB, CB/1 | Civic 1500 Hatchback |
| CC, CC/1<br>CD, CD/1 | Civic 1500 4-dr Wagon |

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# 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks [ ] Medium-Duty Vehicles [X] Gas [ ] Diesel

Manufacturer Honda Motor Co. Ltd. Page 2

Engine Family A80C CID-Type 91-I4 Engine Code

ECS (Special Features) EM, EGR, OC + 10% (A/C) Yes ____ No X

| Engine Code | Vehicle Models (If Coded see attachment) | Trans. | Test Weight Class (Inertia) | Ign. System CA,VA,EI Distributor Part No. | Fuel System 3V Carburetor Part No. | EGR Valve Part No. | Label Ident. |
|---|---|---|---|---|---|---|---|
| CA, CA/1 | Civic 1500 Hatchback | M4 M5 | (2000) 2125 | Hitachi D4R8-04 | Keihin CB14 A | 18710-PA6-6811 | See Page 3 |
| | Civic 1500 Hatchback GL | M5 | | | | | |
| CC, CC/1 | Civic 4-dr Wagon | | (2250) 2250 | D4R8-05 | | | |
| CD, CD/1 | | 2SA | | D4R8-06 | CB14 B | 18710-PA6-9012 | |
| CB, CB/1 | Civic 1500 Hatchback | | (2000) 2125 | D4R8-05 | | | |

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

Date of Issue -

042679

VEHICLE EMISSION CONTROL INFORMATION - HONDA CIVIC 1500

ENGINE FAMILY IDENTIFICATION — A80C, DISPLACEMENT — 91 CID (1488 cm³)

EVAPORATIVE FAMILY IDENTIFICATION — 80 FA

# CATALYST

TUNE UP SPECIFICATIONS

TUNE UP CONDITIONS : ENGINE AT NORMAL OPERATING TEMPERATURE
HEADLIGHTS OFF
COOLING FAN OFF HEATER FAN OFF
AIR CONDITIONER OFF

| | | |
|---|---|---|
| IDLE SPEED | 4 & 5 SPEED TRANSMISSION<br>HONDAMATIC (IN GEAR) | 750 ± 50 rpm |
| FAST IDLE SPEED<br>1. WITH ENGINE OFF, DISCONNECT AND PLUG HOSE Ⓐ. (REFER TO VACUUM HOSE ROUTING DIAGRAM)<br>2. CLOSE CHOKE VALVE FULLY. DEPRESS AND THEN RELEASE ACCEL. PEDAL.<br>3. START ENGINE, AND ADJUST ENGINE SPEED WITHIN SPECIFICATION BY TURNING FAST IDLE SCREW. | | 3000 ± 500 rpm |
| VALVE LASH | IN. (MAIN & AUX.) | $0.15^{+0.02}_{-0.01}$ mm 'COLD' |
| | EX. | $0.20^{+0.02}_{-0.01}$ mm 'COLD' |
| IGNITION TIMING AT IDLE (WITH VACUUM HOSE CONNECTED) | 4 & 5 SPEED TRANSMISSION<br>HONDAMATIC (IN GEAR) | 0° (TDC) |
| SPARK PLUG GAP | PLUG TYPE: NGK: B7EB 11 OR EQUIVALENT | $1.1^{0}_{-0.1}$ mm |
| IDLE CO | | BELOW 0.1 % |

IDLE MIXTURE SCREWS ARE PRESET AT FACTORY.
ADJUSTMENT DURING TUNE UP IS NOT RECOMMENDED.
FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE PROCEDURE MAY VIOLATE FEDERAL AND OR CALIFORNIA OR OTHER STATE LAWS

THIS VEHICLE CONFORMS TO U.S. E.P.A. AND STATE OF CALIFORNIA REGULATIONS APPLICABLE TO 1980 MODEL YEAR NEW MOTOR VEHICLES.

HONDA MOTOR CO., LTD. JAPAN