

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-57  
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 1988 model-year Honda Motor Co., Ltd. exhaust 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>
JHN1.5V5FBCX	1.5 (91)	Oxygen Sensor Three-Way Catalyst (Central Fuel Injection) (On-Board Diagnostics - Some Models)

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>
0.39	7.0	0.7

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>
0.11	3.0	0.5

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 which are manufactured on and after October 1, 1987 also comply with 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 the vehicle models listed which are manufactured before October 1, 1987 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.) and with Health and Safety Code Section 43204.

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 25<sup>th</sup> day of August, 1987.



K. D. Drachand, Chief  
Mobile Source Division

## 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer HONDA Engine Family JHN1.5V5FBCX  
Evaporative Family 88FD Engine Type I - 4  
Liters (CID) 1.5 (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

CFI, CL, DID, DIP, EFI, MFI  
nV-nVenturi Carburetor

Exhaust Emissions Control System

AIP-Air Injection-Pump  
AIV-Air Injection-Valve  
DBC-Dual Bed Catalyst  
EGR-Exhaust Gas Recirculation  
EIC-Electronic Injection Control  
EM-Engine Modification  
OC-Oxidation Catalyst  
OS-Oxygen Sensor  
HOS-Heated Oxygen Sensor  
SPL-Smoke Puff Limiter or  
Throttle Delay  
TOC-Trap Oxidizer, Continual  
TOP-Trap Oxidizer, Periodical  
TWC-Three-way Catalyst  
WUOC-Warm-Up Oxidation Catalyst  
WUTWC-Warm-Up Three-Way Catalyst

Special Features

CCV-Combustion  
Chamber Valve  
CFI-Central Fuel  
Injection  
DID-Diesel  
Injection-Direct  
DIP-Diesel  
Injection-Prechamber  
EFI-Electronic  
Fuel Injection  
IC-Intercooler or  
Aftercooler  
MFI-Mechanical Fuel  
Injection  
OBD-On-Board  
Diagnostics  
TC-Turbocharger

VEHICLE MODELS:

Civic HB STD

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

## 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-57Page 2

Passenger Cars X Light-Duty Trucks      Medium-Duty Vehicles      Gas X Diesel       
 Manufacturer HONDA Engine Family JHN1.5V5FBCX  
 Liter (CID) 1.5 (91) Engine Type I - 4  
 Emission Control Sys. (Special Features) OS, TWC (CFI, OBD Exempt - Some Models)

Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)  Part No.	Fuel System  Part No.	EGR Valve  Part No.	Catalyst  Part No.
	*(Dyno HP)						
JB1 JB1/1	Civic HB STD	M4	2250	EI & ESAC Distributor 30100-PM5 -A021 ECU 37820-PM5 -L112	CL & EFI ECU 37820-PM5 -L112	N/A	18150-PM8 -A012  18150-PM8 -A022

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 and equipment. If two test weights are listed, the lower weight will be used for testing. Add 10% to dyno test HP for air conditioning usage.

\*: Please refer to page 08-1 in 1988 Application.

Date of Issued 06/12/87 Revisions:

## 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-57Page 2.1

Passenger Cars X Light-Duty Trucks      Medium-Duty Vehicles      Gas X Diesel       
 Manufacturer HONDA Engine Family JHN1.5V5FBCX  
 Liter (CID) 1.5 (91) Engine Type I - 4  
 Emission Control Sys. (Special Features) OS, TWC (EFI, OBD)

Engine Code	Vehicle Models (If Coded see attachment)  *(Dyno HP)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)  Part No.	Fuel System  Part No.	EGR Valve  Part No.	Catalyst  Part No.
JB1-47 JB1/1 -47	Civic HB STD	M4	2250	FI & ESAC Distributor 30100-PM5 -A021 ECU 37820-PM5 -L131	CL & EFI ECU 37820-PM5 -L131	N/A	18150-PM8 -A013  18150-PM8 -A023
JB1/1 -47			2375				

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 and equipment. If two test weights are listed, the lower weight will be used for testing. Add 10% to dyno test HP for air conditioning usage.

\*: Please refer to page 08-1 in 1988 Application.

Date of Issued 10/15/87 Revisions: 12/11/87 (RC #62)

## 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars X Light-Duty Trucks      Medium-Duty Vehicles      Gas X Diesel       
 Manufacturer HONDA Engine Family JHN1.5V5FBCX  
 Liter (CID) 1.5 (91) Engine Type I - 4  
 Emission Control Sys. (Special Features) OS, TWC (EFI, OBD)

Engine Code	Vehicle Models (If Coded see attachment)  *(Dyno HP)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) (Vendor's No.) Part No.	Fuel System (Vendor's No.) Part No.	EGR Valve (Vendor's No.) Part No.	Catalyst (Vendor's No.) Part No.
JB1-69	Civic HB STD	M4	2250	EI & ESAC Distributor 30100-PM5 -A022(TD-01U) ECU 37820-PM5 -L150 (37820-PM5 -L15)	CL & EFI ECU 37820-PM5 -L150 (37820-PM5 -L15)	N/A	18150-PM8 -A013(HCB)  18150-PM8 -A023(HCB)
JB1/1-69			2375				

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 testing. Add 10% to dyno test HP for air conditioning usage.

\*: Please refer to page 08-1 in 1988 Application.

Date of Issued 03/09/88 Revisions: 05/26/88 (RC #69)