

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-86
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: LHN2.2V5FFCX Displacement: 2.2 Liters (132 Inches³)

Exhaust Emission Control Systems (Special Features):

- Three-Way Catalyst
- Heated Oxygen Sensor
- Exhaust Gas Recirculation
- Sequential Multipoint 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:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.39	7.0	0.4

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

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.19	2.3	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 15th day of August, 1989.


K. D. Drachand, Chief
Mobile Source Division

1990 HONDA LDV

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90 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-86 Page 1

Manufacturer HONDA Engine Family LHN2.2V5FFCX
 Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel
 Eng. Type L-4 Liter (CID) 2.2 (132) Evap. Family 90FG
 Emission Control Sys. (Use SAE Abbrv.) HO2S/TWC/SMPI/EGR OBD
 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)
LF1/1	Accord Sedan EX	M	3250	8.0	EI Distributor: <u>1/</u> ECU: 37820-PT3 -L203(37820 -PT3-L20)	EGR Valve; 18710-PT2 -A000(10U)	18150-PT3 -L301(EC)
	Accord 2 Dr Coupe EX	M	3250	8.0			18150-PT3 -L401(EC)
LF3/1	Accord Sedan EX	A	3250	8.0	EI Distributor: <u>1/</u> ECU: 37820-PT3 -L703(37820 -PT3-L70)		18150-PT3 -L501(EC)
	Accord 2 Dr Coupe EX	A	3250	8.0			

Note 1/: 30100-PT3-A021(TD-31U)

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-86 Page 1.1Manufacturer HONDA Engine Family LHN2.2V5FFCXPass Cars X Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel Eng. Type L-4 Liter (CID) 2.2 (132) Evap. Family 90FGEmission Control Sys. (Use SAE Abbrv.) HO2S/TWC/SMPI/EGREngine: 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)
LF1/1 -30	Accord Sedan EX	M	3250	8.0	EI Distributor: <u>1/</u> ECU: 37820-PT3 -L203(37820 -PT3-L20)	EGR Valve: 18710-PT3 -A002(10U)	18150-PT3 -L302(EC)
	Accord 2 Dr Coupe EX	M	3250	8.0			18150-PT3 -L402(EC)
LF3/1 -30	Accord Sedan EX	A	3250	8.0	EI Distributor: <u>1/</u> ECU: 37820-PT3 -L703(37820 -PT3-L70)		18150-PT3 -L502(EC)
	Accord 2 Dr Coupe EX	A	3250	8.0			

Note 1/: 30100-PT3-A022(TD-31U)Date of Issued 10/23/89 Revisions:

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-29-86 Page 1.2
 Manufacturer HONDA Engine Family LHN2.2V5FFCX
 Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel
 Eng. Type L-4 Liter (CID) 2.2 (132) Evap. Family 90FG
 Emission Control Sys. (Use SAE Abbrv.) HO2S/TWC/SMPI/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 <u>2/</u>	Ign. Sys. (ECU/PROM) Part No. (Vendor's)	EGR Sys. Part No. (Vendor's)	Catalyst Part No. (Vendor's)
LF1/1 -31	Accord Sedan EX	M	3250	8.0	EI Distributor: <u>1/</u> ECU:37820-PT3 -L211(37820 -PT3-L21)	EGR Valve: 18710-PT3 -A002(10U)	18150-PT3 -L302(EC)
	Accord 2 Dr Coupe EX	M	3250	8.0			18150-PT3 -L402(EC)
LF3/1 -31	Accord Sedan EX	A	3250	8.0	EI Distributor: <u>1/</u> ECU:37820-PT3 -L711(37820 -PT3-L71)		18150-PT3 -L502(EC)
	Accord 2 Dr Coupe EX	A	3250	8.0			

Note 1/: 30100-PT3-A022(TD-31U)

2/: for vehicles with tires D.O.T. - numbered as "M3DA CDKX..." or "B9DA CDKX..."

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-25-86 Page 1.4Manufacturer HONDA Engine Family LHN2.2V5FFCXPass Cars X Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel Eng. Type L-4 Liter (CID) 2.2 (132) Evap. Family 90FGEmission Control Sys. (Use SAE Abbv.) HO2S/TWC/SMPI/EGREngine: 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)
LF1/1 -39	Accord Sedan EX	M	3250	8.4	EI Distributor: $\frac{1}{2}$ ECU: 37820-PT3 -L220(37820 -PT3-L22)	EGR Valve: 18710-PT3 -A002(10U)	18150-PT3 -L302(EC)
	Accord 2 Dr Coupe EX	M	3250	8.4			18150-PT3 -L402(EC)
LF3/1 -39	Accord Sedan EX	A	3250	8.4	EI Distributor: $\frac{1}{2}$ ECU: 37820-PT3 -L720(37820 -PT3-L72)		18150-PT3 -L502(EC)
	Accord 2 Dr Coupe EX	A	3250	8.4			

Note 1/: 30100-PT3-A023(TD-31U)