

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-201  
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1997 model-year Honda Motor Co., Ltd. exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: VHN1.6VJGK GK Displacement: 1.6 Liters (97 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converter  
Heated Oxygen Sensors (Two)  
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.05	1.1	0.1	5.0
100,000	0.05	1.2	0.1	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth 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 under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.


BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

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 (Title 13, California Code of Regulations, Section 2035 et seq.).

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 19<sup>th</sup> day of August 1996.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer: HONDA  
 Exh Engine Family: VHNL6VJGK GK  
 All Eng Codes in Eng Fam: CA \_\_\_ 49S \_\_\_ 50S X AB965 \_\_\_  
 Exh std: CA Tier-1 X TLEV \_\_\_ LEV \_\_\_ ULEV \_\_\_ ZEV \_\_\_; US EPA Tier-1 X  
 In-Use Exh Std: Full In Use X Alt In Use \_\_\_  
 EVAP Engine Family: VHN1077BYMAC  
 Evap Std.: 50K X Useful Life with R/L \_\_\_  
 Veh Class(es): PC X LDT1 \_\_\_ LDT2 \_\_\_ MDV1 \_\_\_ MDV2 \_\_\_ MDV3 \_\_\_ MDV4 \_\_\_ MDV5 \_\_\_  
 Single Cert Std for Multi-Class Eng Fam: N/A  
 Fuel Type(s): Dedicated X Flex-Fuel \_\_\_ Dual-Fuel \_\_\_ Bi-Fuel \_\_\_ Gasoline X  
 Diesel \_\_\_ CNG \_\_\_ LNG \_\_\_ LPG \_\_\_ M85 \_\_\_ Other \_\_\_  
 Emiss Test Fuel(s): Indo X Ph2 \_\_\_ CNG \_\_\_ LPG \_\_\_ M85 \_\_\_ Other \_\_\_  
 Diesel: 13 CCR 2282 \_\_\_ 40 CFR 86.113-90 \_\_\_ 40 CFR 86.113-94 \_\_\_  
 Service Accum: Std AMA \_\_\_ Mod AMA X Mfr ADP \_\_\_ Other \_\_\_  
 NMOG Test Procedure: N/A X Std \_\_\_ Equiv \_\_\_ R/L Test Proc: SHED \_\_\_ Pt Source \_\_\_  
 Hybrid: Type A \_\_\_ B \_\_\_ C \_\_\_, APU Cycle: \_\_\_  
 Engine Configuration: L-4 Displacement: 1.6 Liters 97 Cubic Inches  
 Valves per Cylinder: 4 Rated HP: 106/6200 RPM  
 Engine: Front X Mid \_\_\_ Rear \_\_\_ Drive: FWD X RWD \_\_\_ 4WD-FT \_\_\_ 4WD-PT \_\_\_  
 Exhaust ECS: TWC/HO2S(2)/SFI

Engine Code	Vehicle Model	Trans.	ETW (LBS)	DPA (HP)	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.	
VCF1	Civic Coupe DX	M5	2625	6.6 (DUA)	EI Distributor: TD-80U ECM: 37820-P2E-A02	N/A	AE	
	Civic Sedan DX			6.8 (BS)				
	del Sol S			7.0 (DUJ)				
	Civic HB CX Civic HB DX			7.3 (DUA)				
	Civic Sedan LX			2750				6.8 (BS)
VCF1/1	Civic Coupe DX	M5	2625	7.3 (DUA)	EI Distributor: TD-80U ECM: 37820-P2E-A72	N/A	AH	
	Civic Sedan DX			7.5 (BS)				
	del Sol S			7.7 (DUJ)				
	Civic HB CX Civic HB DX			8.0 (DUA)				
	Civic Sedan LX			2750				7.5 (BS)
VCG3	Civic HB CX	L4	2625	7.4 (BS)	EI Distributor: TD-80U ECM: 37820-P2E-A72	N/A	AH	
	Civic HB DX			7.3 (DUA)				
	Civic Coupe DX			2750				6.6 (DUA)
	Civic Sedan DX Civic Sedan LX			6.8 (BS)				
	del Sol S			7.0 (DUJ)				
VCG3/1	Civic Coupe DX	L4	2750	7.3 (DUA)	EI Distributor: TD-80U ECM: 37820-P2E-A72	N/A	AH	
	Civic Sedan DX			7.5 (BS)				
	Civic Sedan LX			7.7 (DUJ)				
	del Sol S			7.7 (DUJ)				
	Civic HB CX Civic HB DX			8.1 (BS) 8.0 (DUA)				

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Manufacturer: **HONDA**  
 Exh Engine Family: **VHN1.6VJGK GK**  
 All Eng Codes in Eng Fam: CA \_\_\_ 49S \_\_\_ 50S X AB965 \_\_\_  
 Exh std: CA Tier-1 X TLEV \_\_\_ LEV \_\_\_ ULEV \_\_\_ ZEV \_\_\_; US EPA Tier-1 X  
 In-Use Exh Std: Full In Use X Alt In Use \_\_\_  
 EVAP Engine Family: **VHN1077BYMAC**  
 Evap Std.: 50K X Useful Life with R/L \_\_\_  
 Veh Class(es): PC X LDT1 \_\_\_ LDT2 \_\_\_ MDV1 \_\_\_ MDV2 \_\_\_ MDV3 \_\_\_ MDV4 \_\_\_ MDV5 \_\_\_  
 Single Cert Std for Multi-Class Eng Fam: **N/A**  
 Fuel Type(s): Dedicated X Flex-Fuel \_\_\_ Dual-Fuel \_\_\_ Bi-Fuel \_\_\_ Gasoline X  
 Diesel \_\_\_ CNG \_\_\_ LNG \_\_\_ LPG \_\_\_ M85 \_\_\_ Other \_\_\_  
 Emiss Test Fuel(s): Indo X Ph2 \_\_\_ CNG \_\_\_ LPG \_\_\_ M85 \_\_\_ Other \_\_\_  
 Diesel: 13 CCR 2282 \_\_\_ 40 CFR 86.113-90 \_\_\_ 40 CFR 86.113-94 \_\_\_  
 Service Accum: Std AMA \_\_\_ Mod AMA X Mfr ADP \_\_\_ Other \_\_\_  
 NMOG Test Procedure: N/A X Std \_\_\_ Equiv \_\_\_ R/L Test Proc: SHED \_\_\_ Pt Source \_\_\_  
 Hybrid: Type A \_\_\_ B \_\_\_ C \_\_\_, APU Cycle: \_\_\_  
 Engine Configuration: **L-4** Displacement: **1.6** Liters **97** Cubic Inches  
 Valves per Cylinder: **4** Rated HP: **106/6200** RPM  
 Engine: Front X Mid \_\_\_ Rear \_\_\_ Drive: FWD X RWD \_\_\_ 4WD-FT \_\_\_ 4WD-PT \_\_\_  
 Exhaust ECS: **TWC/HO2S(2)/SFI**

Engine Code	Vehicle Model	Trans.	ETW (LBS)	DPA (HP)	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.	
VCF1	Civic Coupe DX	M5	2625	6.6 (DUA)	EI	N/A	AE	
	Civic Sedan DX			6.8 (BS)	Distributor:			
	del Sol S			7.0 (DUJ)	TD-80U			
	Civic HB CX			7.3 (DUA)	ECM:			
	Civic HB DX				37820-P2E-A02			
	Civic Sedan LX		2750	6.8 (BS)	(for Civic)			
VCF1/1	Civic Coupe DX	M5	2625	7.3 (DUA)	37820-P1Z-A02			
	Civic Sedan DX			7.5 (BS)	(for del Sol)			
	del Sol S			7.7 (DUJ)				
	Civic HB CX			8.0 (DUA)				
	Civic HB DX							
	Civic Sedan LX		2750	7.5 (BS)				
VCG3	Civic HB CX	L4	2625	7.4 (BS)	EI	N/A	AH	
	Civic HB DX			7.3 (DUA)	Distributor:			
	Civic Coupe DX			2750	6.6 (DUA)			TD-80U
	Civic Sedan DX			6.8 (BS)	PCM:			
	Civic Sedan LX			7.0 (DUJ)	37820-P2E-A72			
	del Sol S		2750	7.3 (DUA)	(for Civic)			
VCG3/1	Civic Coupe DX	L4	2750	7.5 (BS)	37820-P1Z-A52			
	Civic Sedan DX			7.7 (DUJ)	(for del Sol)			
	Civic Sedan LX			8.1 (BS)				
	del Sol S			8.0 (DUA)				
	Civic HB CX							
	Civic HB DX							