

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-206  
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:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: VHN3.0VJG2EK Displacement: 3.0 Liters (182 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

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

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

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

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156	4.2	0.6	0.018	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a 0.98 RAF for 1997 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.078	0.6	0.1	0.002	3.8
100,000	0.092	0.7	0.2	0.002	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 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 running loss and useful life standards applicable to 1995 and subsequent 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 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 vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 4<sup>th</sup> day of September 1996.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-206  
Page 1 of 1

Manufacturer: HONDA  
 Exh Engine Family: VHN3.0VJG2EK  
 All Eng Codes in Eng Fam: CA X 49S \_\_\_ 50S \_\_\_ AB965 \_\_\_  
 Exh std: CA Tier-1 \_\_\_ TLEV X LEV \_\_\_ ULEV \_\_\_ ZEV \_\_\_; US EPA Tier-1 \_\_\_  
 In-Use Exh Std: Full In Use X Alt In Use \_\_\_  
 EVAP Engine Family: VHN1090AYMEA  
 Evap Std.: 50K \_\_\_ Useful Life with R/L X  
 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 \_\_\_ Ph2 X CNG \_\_\_ LPG \_\_\_ M85 \_\_\_ Other \_\_\_  
 Diesel: 13 CCR 2282 \_\_\_ 40 CFR 86.113-90 \_\_\_ 40 CFR 86.113-94 \_\_\_  
 Service Accum: Std AMA \_\_\_ Mod AMA \_\_\_ Mfr ADP X Other \_\_\_  
 NMOG Test Procedure: N/A \_\_\_ Std \_\_\_ Equiv X R/L Test Proc: SHED X Pt Source \_\_\_  
 Hybrid: Type A \_\_\_ B \_\_\_ C \_\_\_, APU Cycle: \_\_\_  
 Engine Configuration: V-6 Displacement: 3.0 Liters 182 Cubic Inches  
 Valves per Cylinder: 4 Rated HP: 200/5500 RPM  
 Engine: Front X Mid \_\_\_ Rear \_\_\_ Drive: FWD X RWD \_\_\_ 4WD-FT \_\_\_ 4WD-PT \_\_\_  
 Exhaust ECS: TWC/HO2S(2)/EGR/SFI

Engine Code	Vehicle Models	Trans.	ETW	DPA	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
VZL3/1 (CA)	3.0CL	L4	3625	7.3	EI Distributor: D6P96-01 PCM: 37820-P8A-L00	EGR Valve:	CW

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-206  
Page 1 of 1

Manufacturer: HONDA  
 Exh Engine Family: VHN3.OVJG2EK  
 All Eng Codes in Eng Fam: CA X 49S \_\_\_ 50S \_\_\_ AB965 \_\_\_  
 Exh std: CA Tier-1 \_\_\_ TLEV X LEV \_\_\_ ULEV \_\_\_ ZEV \_\_\_; US EPA Tier-1 \_\_\_  
 In-Use Exh Std: Full In Use X Alt In Use \_\_\_  
 EVAP Engine Family: VHN1090AYMEA  
 Evap Std.: 50K \_\_\_ Useful Life with R/L X  
 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 \_\_\_ Ph2 X CNG \_\_\_ LPG \_\_\_ M85 \_\_\_ Other \_\_\_  
 Diesel: 13 CCR 2282 \_\_\_ 40 CFR 86.113-90 \_\_\_ 40 CFR 86.113-94 \_\_\_  
 Service Accum: Std AMA \_\_\_ Mod AMA \_\_\_ Mfr ADP X Other \_\_\_  
 NMOG Test Procedure: N/A \_\_\_ Std \_\_\_ Equiv X R/L Test Proc: SHED X Pt Source \_\_\_  
 Hybrid: Type A \_\_\_ B \_\_\_ C \_\_\_ APU Cycle: \_\_\_  
 Engine Configuration: V-6 Displacement: 3.0 Liters 182 Cubic Inches  
 Valves per Cylinder: 4 Rated HP: 200/5500 RPM  
 Engine: Front X Mid \_\_\_ Rear \_\_\_ Drive: FWD X RWD \_\_\_ 4WD-FT \_\_\_ 4WD-PT \_\_\_  
 Exhaust ECS: TWC/HO2S(2)/EGR/SFI

Engine Code	Vehicle Models	Trans.	ETW	DPA	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
VZL3/1 (CA)	3.0CL	L4	3625	7.3	EI Distributor: D6P96-01 PCM: 37820-P8A-L00	EGR Valve:	CW
VZL3/1-19 (CA)	3.0CL	L4	3625	7.3	EI Distributor: D6P96-01 PCM: 37820-P8A-L00	EGR Valve:	CW

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-266  
Page 1 of 1

Manufacturer: **HONDA**  
 Exh Engine Family: **VHN3.0VJG2EK**  
 All Eng Codes in Eng Fam: CA  49S \_\_\_ 50S \_\_\_ AB965 \_\_\_  
 Exh std: CA Tier-1 \_\_\_ TLEV  LEV \_\_\_ ULEV \_\_\_ ZEV \_\_\_; US EPA Tier-1 \_\_\_  
 In-Use Exh Std: Full In Use  Alt In Use \_\_\_  
 EVAP Engine Family: **VHN1090AYMEA**  
 Evap Std.: 50K \_\_\_ Useful Life with R/L   
 Veh Class(es): PC  LDT1 \_\_\_ LDT2 \_\_\_ MDV1 \_\_\_ MDV2 \_\_\_ MDV3 \_\_\_ MDV4 \_\_\_ MDV5 \_\_\_  
 Single Cert Std for Multi-Class Eng Fam: **N/A**  
 Fuel Type(s): Dedicated  Flex-Fuel \_\_\_ Dual-Fuel \_\_\_ Bi-Fuel \_\_\_ Gasoline   
 Diesel \_\_\_ CNG \_\_\_ LNG \_\_\_ LPG \_\_\_ M85 \_\_\_ Other \_\_\_  
 Emiss Test Fuel(s): Indo \_\_\_ 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 \_\_\_ Mfr ADP  Other \_\_\_  
 NMOG Test Procedure: N/A \_\_\_ Std \_\_\_ Equip  R/L Test Proc: SHED  Pt Source \_\_\_  
 Hybrid: Type A \_\_\_ B \_\_\_ C \_\_\_ APU Cycle: \_\_\_  
 Engine Configuration: **V-6** Displacement: **3.0** Liters **182** Cubic Inches  
 Valves per Cylinder: **4** Rated HP: **200/5500** RPM  
 Engine: Front  Mid \_\_\_ Rear \_\_\_ Drive: FWD  RWD \_\_\_ 4WD-FT \_\_\_ 4WD-PT \_\_\_  
 Exhaust ECS: **TWC/HO2S(2)/EGR/SFI**

Engine Code	Vehicle Models	Trans.	ETW	DPA	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
VZL3/1 (CA)	3.0CL	L4	3625	7.3	EI Distributor: D6P96-01 PCM: 37820-P8A-L00	EGR Valve:-	CW
VZL3/1-19 (CA)	3.0CL	L4	3625	7.3	EI Distributor: D6P96-01 PCM: 37820-P8A-L00	EGR Valve:-	CW
VZL3/1-28 (CA)	3.0CL	L4	3625	7.3	EI Distributor: D6P96-01 PCM: 37820-P8A-L01	EGR Valve:-	CW