### California Environmental Protection Agency

**Air Resources Board** 

HONDA MOTOR CO.,

Executive Order: A-023-0631-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 1 of 4

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: The following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

						TEST GRO	UP I	NFC	ORMATIC	ON					·	
MODE	- 1 T	EST G	ROUP		VEH	HICLE CLASS(E	S)	-	F	FUEL CATEGORY				FUEL TYPE		
2016	GH	NXV02	2.0BK3			PC			DEDIC	DICATED SINGLE FUEL VEHICLE				GASOLINE		
	USEFUL	LIFE	(miles)		\	EHICLE EMISS	ION	CAT	TEGORY	·	IN	ITERIM / IN	ΓERΜ	EDIA	TE IN-USE STD	
EXH	I/ORVR		EVAP			FTP		,	SFTP			FTP			SFTP	
15	0000		150000		LE	V3 SULEV30	LEV	7 3	COMPOS	ITE		*			NMOG+NOX	
SPE	CIAL FE	ATUR		IAUS1 TEMS	EMIS	SION CONTRO	L		C	OBD S	TAT	JS	EN	GINE	DISPLACEMENT (L)	
1		T	WC, WR-H	02S,	HO2S	, SFI			FULL	-	AL	L MODELS				
*		-		*					PARTIA	AL		*			2.0	
*		*						P	ARTIAL		*					
			EV	APOR	ATIVE	& REFUELING	(EV	AP/	ORVR) F	AMILY	INF	ORMATION				
EVA	P / ORV	R FAI	<b>NILY</b>	EVAP	ORAT	IVE STD CATE	GOR	DRY EVAP EMISSION STD VEHICLE CLASS			SP	ECIAI	L FEATURES			
G	HNXR01	13VS2	A		LEV	3 OPTION2				P	,C				*	
						EMISSION C	REDI	T IN	NFORMA	TION						
	А	LLOW	ANCE FO	R TES	ST GR	OUP		NMOG CREDIT FOR NMOG CREDIT FOR			FOR	OPTIONAL EXH. STD FOR WORK				
BASE	ELINE P	ZEV	AT	PZEV		TZEV	N	ON-	-PZEV ZE	ERO-E	VAP		DR		TRUCKS	
ALI	ALL MODELS * * N N							N .								
					NM	OG AND FLEET	AV	ERA	GE INFO	ORMA	TION					
NMOG RAF	INMOG/NMHC I PC+I DT (D-3				0-37	50 LVW) LDT (3751 LV		751 LVW-8500 MDV		NOX FLEET STD (10001-14000 /WR) (g/mi)						
*	*		1.10	C	0.05	0	.093	3			0	.110			*	

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations.

BE IT FURTHER RESOLVED:

The exhaust and evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's NMOG+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

# BE IT FURTHER RESOLVED:

For the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance],

### California Environmental Protection Agency

**⊘** Air Resources Board

HONDA MOTOR CO., LTD.

Executive Order: A-023-0631-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 2 of 4

2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

This Executive Order hereby supersedes Executive Order A-023-0631 dated September 29, 2015.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 29 day of February 2016.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

HONDA MOTOR CO., LTD. Executive Order: A-023-0631-1

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

Page 3 of 4

# **⊘** Air Resources Board

# **ATTACHMENT**

EXHAUST AND EVAPOR	RATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS
EVILALIST EMISSION	STANDADDS AND CERTIFICATION I EVELS (FTD LIMETT FOR ACCE)

EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)

CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; K: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP

## **FUEL TYPE**

			S+NOx mi)	C (g/i		1	Ox mi)	HC (mg	HO /mi)		M mi)
	•	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K	*	*	*	*	*	*	*	*	*	*	*
FTP@UL	GASOLINE- LEV3 E10	0.018	0.030	0.0	1.0	*	*	*	4	*	0.01
50°F @4K	GASOLINE- LEV3 E10	0.018	0.060	0.1	1.0	*	*	*	8		

	FUEL TYPE	NMOG+I	NOx (g/mi)	CO (g/mi)		
	FUEL TYPE	CERT	STD	CERT	STD	
HWFET @ 50K	*	*	*	The Control of the Control	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
HWFET @ UL	GASOLINE-LEV3 E10	0.006	0.030			
20°F @ 50K	GASOLINE-COLD CO LOW OCTANE			0.4	10.0	

### SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

				US06		SC03		CON	POSITE	
	FUEL TYPE		NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMOG+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)
@ 4K	*	CERT	*	*		*	*		7.27	
		STD	*	*		*	*			
		CERT	*	* .	*	*	*	0.016	0.1	*
@ UL	GASOLINE- LEV3 E10	STD	*	*	*	*	*	0.110	4.2	*
		BIN	ų.	4				0.050	11/4	

### WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

			WHOLE						
EVAPORATIVE FAMILY	FUEL TYPE	3DH	S (g/test) (	@ UL	2D	HS (g/test) @	D UL	RL (g/n	ni) @ UL
		CERT	STD	FEL	CERT	STD	FEL	CERT	STD
GHNXR0113VSA	GASOLINE- LEV3 E10	0.169	0.300	*	0.202	0.300	*	0.00	0.05

#### ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

				FUEL ONLY EVAP & CANISTER BLEED									
EVAPORATIVE FAMILY	ORVR (g/g	gallon) @	D UL	FUEL TYPE	3DHS RIG TEST (g/test) @ UL		2DHS RIG TEST (g/test) @ UL		BLEED CANISTER TEST (g/test) @ 4K				
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD			
GHNXR0113VSA	TIER 3 E10 REGULAR	0.02	0.20	GASOLINE- LEV3 E10	*	*	*	*	0.006	0.020			

California Environmental Protection Agency

**⊘** Air Resources Board

HONDA MOTOR CO., LTD. Executive Order: A-023-0631-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 4 of 4

\*: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: LDT<6000#GVWR,3751-5750#LVW; LDT3: LDT 6001-8500#GVWR,3751-5750#ALVW; LDT4: LDT 6001-8500#GVWR,5751-8500#ALVW; MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: mediumduty passenger vehicle; HDV: heavy-duty vehicle; ECS: emission control system; CERT: certification; STD: standard; FEL: family emission limit; GVWR: gross vehicle weight rating; LVW: loaded vehicle weight; ALVW: adjusted LVW; LEV: low emission vehicle; ULEV: ultra LEV; SULEV: super ULEV; ZEV: zero-emission vehicle; PZEV: partial ZEV; AT PZEV: advanced technology PZEV; TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing catalyst; ADSTWC: adsorbing TWC; HAC: HC adsorbing catalyst; WU: warm-up catalyst; NAC: NOx adsorption catalyst; SCR-U or SCRC/SCR-N or SCRC-NH3: selective catalytic reduction-urea/ammonia; NH3OC: ammonia oxidation catalyst; CTOX/PTOX: continuous/periodic trap oxidizer; DPF: diesel particulate filter (active); GPF: PM filter for spark-ignited engine; HO2S/O2S: heated/oxygen sensor; WR-HO2S or AFS: wide range/linear/heated air-fuel ratio sensor; NOXS: NOx sensor; PMS: PM sensor; RDQS: reductant quality sensor; NH3S: ammonia sensor; EGR: exhaust gas recirculation; EGRC: EGR cooler; AIR/AIRE: secondary air injection (belt driven)/(electric driven); PAIR: pulsed AIR; SFI/MFI: sequential/multiport fuel injection; DFI/IFI: direct/indirect fuel injection; TC/SC: turbo/super charger; CAC: charge air cooler; F/P/\$: full/partial/partial with fines on-board diagnostic; DOR: direct ozone reducing; HCT: hydrocarbon trap; BCAN: bleed carbon canister; prefix 2: parallel; (2) suffix: series; CNG/LNG: compressed/liquefied natural gas; LPG: liquefied petroleum gas; E85: "85%" ethanol ("15%"gasoline) fuel; E10: "10%" ethanol ("90%"gasoline) fuel; A: automatic (with lockup); M: manual transmission; SA: semi-automatic transmission; CV continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission

	2016 MODEL YEAR: VEHICLE MODELS INFORMATION											
MAKE	MAKE MODEL VEH CLASS ENGINE TRANS TYPE EVAPORATIVE EXH CORD PZEV TYPE											
HONDA	CIVIC 2DR	РC	2.0	CV1	GHNXR0113VSA	1	F	PZEV				
HONDA	CIVIC 4DR	PC	2.0	CV1	GHNXR0113VSA	1	F	PZEV				