

Executive Order: A-413-0270-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 1 of 4

Pursuant to the authority vested in California 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-19-095;

IT IS ORDERED AND RESOLVED: That 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 GROUP INFORMATION													
MODE YEAR	- I T	TEST GROUP VEHICLE CLASS(ES)						FUEL CATEGORY			FUEL TYPE		
2023	2023 PVGAV05.2NDE PC						DEDICATED SINGLE FUEL VEHICLE				GASOLINE		
	USEFUL LIFE (miles) VEHICLE EMISSION					ION (CATEGORY INTERIM / INTERMEDIATE IN-USE S						
EXH	I/ORVR	EVAP			FTP		SF	TP	FTP		SFTP		
15	50000	150000		LEV3	LEV160	LEV	3 C	MPOSITE	*		PM		
SPE	SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS					L		OBD S	TATUS	EN	ENGINE DISPLACEMENT (L)		
1	DFI	+SFI, AIR,	2WR-H	O2S, 2HC	O2S, 2TWC			FULL	*				
*			*				P	PARTIAL ALL MODELS		5.2			
*			*					RTIAL WITH * FINES					
		E	/APOI	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMILY	/ INFORMATIO	1			
EVA	AP / ORV	R FAMILY	EVA	PORATIVE	STD CATE	GORY	RY EVAP EMISSION STD VEHICLE CLASS			SP	PECIAL FEATURES		
1	PVGAR01	55NCL	LE	V 3 OPTI	ON2 WITH	FEL		PC			*		
				I	EMISSION CI	REDI	r INFO	RMATION					
	EDIT FO	X FLEET AVE. OR EXTENDED RRANTY			REDIT FOR N ZERO-EVAP	ON-P	ZEV NMOG CREDIT FOR DOR			.	OPTIONAL EXH. STD FOR WORK TRUCKS		
	n n								N		N		
				NMOG	AND FLEET	AVE	RAGI	INFORMA	TION				
NMOG RAF	NMOG/NMHC DC+1 DT /0-376				0-375)	NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)			
*	* * 1.10 * 0.04					.044		0.047 *			*		

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. (As applicable, heavy-duty vehicles (HDV) over 14,000 pounds in GVWR listed in this Executive Order are certified to the requirements in 13 CCR Section 1961.2 applicable to MDV pursuant to 13 CCR Section 1956.8(c)(3) or 13 CCR Section 1956.8(h)(5), as applicable.)



Executive Order: A-413-0270-1
New Passenger Cars, Light-Duty Trucks and
Medium-Duty Vehicles
Page 2 of 4

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 fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961.2(c) (3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV 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], 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).

This Executive Order hereby cancels and supersedes Executive Order A-413-0270 dated June 23, 2022.

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

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

Executed on this 6th day of January 2023.

Robin U. Lang, Chief

Emissions Certification and Compliance Division

Executive Order: A-413-0270-1
New Passenger Cars, Light-Duty Trucks and
Medium-Duty Vehicles
Page 3 of 4

ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

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

		NMOG+NOx (g/mi)		CO (g/mi)		NOx (g/mi)		HCHO (mg/mi)		PM (g/mi)	
		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K	*	*	*	*	*	*	*	*	*	*	*
FTP@UL	GASOLINE- TIER3 E10 PREM	0.070	0.160	0.5	4.2	*	*	*	4	0.001	0.003
50°F @4K	GASOLINE- TIER3 E10 PREM	0.110	0.320	0.5	4.2	*	*	*	30		

	FUEL TYPE	NMOG+N	IOx (g/mi)	CO (g/mi)		
	FUEL TIPE	CERT	STD	CERT	STD	
HWFET @ 50K	*	*	*			
HWFET @ UL	GASOLINE-TIER3 E10 PREM	0.022	0.160			
20°F @ 50K	COLD CO E10 PREMIUM GASOLINE (TIER3)			2.1	10.0	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

			US06			SC03	3	COMPOSITE			
	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	*	*		*	*				
		STD	*	*		*	*				
		CERT	*	*	1	*	*	0.048	0.4	*	
@ UL	GASOLINE- TIER3 E10 PREM	STD	*	*	6	*	*	0.063	4.2	*	
		BIN						0.140			

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

EVAPORATIVE FAMILY				WHOLE \						
	EVAPORATIVE FAMILY	FUEL TYPE	3DHS (g/test) @ UL			2DI	HS (g/test) (RL (g/mi) @ UL		
			CERT	STD	FEL	CERT	STD	FEL	CERT	STD
•	PVGAR0155NCL	GASOLINE- TIER3 E10 PREM	0.491	0.300	0.500	0.354	0.300	0.500	0.00	0.05

Executive Order: A-413-0270-1
New Passenger Cars, Light-Duty Trucks and
Medium-Duty Vehicles
Page 4 of 4

							•							
ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS														
		FUEL ONLY EVAP & CANISTER BLEED												
EVAPORATIVE FAMILY	ORVR (g	FUEL TYPE		3DHS R (g/test	2DHS RIG TEST (g/test) @ UL			BLEED CANISTER TEST (g/test) @ 4K						
	FUEL TYPE	CERT	STD			CERT	STD	CERT		STD	CERT	STD		
PVGAR0155NCL	GASOLINE- TIER3 E10 PREM		0.20	GASOLINE- TIER3 E10 PREM		TIER3 E10		*	*	*		*	0.015	0.020
i	EFFECTIVE	LEAK D	IAMET	ER STA	NDARI	D AND CE	RTIFICA	TION L	EVE	EL (INCH	IES)			
EVAPORATIVE FAMILY LEAK FAM			K FAMII	LY		CERT			STD					
PVGAR0155NCL PVGAR0155N			155NCL	-001		* 0.02								

': 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; 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; HP/LP EGR: High/Low Pressure EGR; 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; FFH: fuel fired heater; 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; a hyphen (-) between after treatment ECS indicates multiple functionalities of the after treatment device (ex. DPF-SCRC: SCR coated DPF); 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: AER: all-electric range: EAER: equivalent AER; PHEV: plug-in hybrid electric vehicle; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

2023 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
LAMBORGHINI	HURACAN EVO	PC	5.2	AMS7	PVGAR0155NCL	1	P
LAMBORGHINI	HURACAN EVO RWD	PC	5.2	AMS7	PVGAR0155NCL	1	P
LAMBORGHINI	HURACAN EVO RWD SPYDER	PC	5.2	AMS7	PVGAR0155NCL	1	P
LAMBORGHINI	HURACAN EVO SPYDER	PC	5.2	AMS7	PVGAR0155NCL	1	P
LAMBORGHINI	HURACAN STERRATO	PC	5.2	AMS7	PVGAR0155NCL	1	P
LAMBORGHINI	HURACAN STO	PC	5.2	AMS7	PVGAR0155NCL	1	P
LAMBORGHINI	HURACAN TECNICA	PC	5.2	AMS7	PVGAR0155NCL	1	P