

Executive Order: A-254-0421

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

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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-14-012;

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 GR	OUP IN	FORM	MATION					
MODI		ST GROUP	VEHIC	VEHICLE CLASS(ES)				ATEGORY		FUEL TYPE		
202	O LH	YXV02.0KE5		PC				SINGLE FUEL HICLE		GASOLINE		
	USEFUL	LIFE (miles)	VEH	IICLE EMIS	ATEC	ORY	INTERIM / INT	ERN	RMEDIATE IN-USE STD			
EXH/ORVR EVAP				FTP			SFTP FTP			SFTP		
1	50000	150000	LEV3	ULEV70	LEV 3 COMPO		MPOSITE	E *		e grant (coloration and cyl		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS							OBD STATUS			ENGINE DISPLACEMENT (L)		
1	W	U-TWC, TWC,	WR-HO2S, HO2	S, SFI	77/18/20/11	2	FULL *		10 PARTY II			
*	* *						ARTIAL	ALL MODELS	2.0			
*				1	PARTIAL WITH *							
		EV	APORATIVE &	REFUELIN	G (EVA	P/OR	VR) FAMILY	INFORMATION				
EV	AP / ORV	R FAMILY	STD CATE	EGORY	, EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES				
	LHYXR0125KEG LEV 3 OPTI					PTION2 PC				*		
				EMISSION (CREDIT	INFC	RMATION					
	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON- ZERO-EVAP						NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS		
N N								N				
			NMOG	AND FLEE	ET AVE	RAGE	INFORMA	TION				
NMOG RAF					(0-375	D LVW) LDT (3751 LVW		+NOX FLEET ST (3751 LVW-8500 R) + MDPV (g/mi				
*	*	1.10	*		0.065	65 0.074				*		

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.)



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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).

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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.

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(mile) Agents - (MAVA)

Executed at El Monte, California on this 1477 day of June 2019.

Allen Lyons, Chief

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Emissions Compliance, Automotive Regulations and Science Division



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ATTACHMENT

	EXH	AUS	T AND	EV	APOR	RATIVE	EMIS	SION S	STANI	DAR	DS AND	CERTI	FICA	TION	LEVEL	S	
	FU	FUEL TYPE		H4: r nonox djusti RVR	methan kide; No ment fa	e; NMO Ox: oxid octor; 2D /gallon o	G: non- es of ni HS/3DI lispense	CH4 orga trogen; H6 HS [g HC/ ed]: on-bo	nic gas CHO: fo /test]: 2/ oard refu	; HC: ormalo /3 day ueling	hydrocark dehyde; Pl ys diurnal+ vapor rec est procedu	oon; NMH(M: particul hot-soak; overy; g: g	C: non ate ma RL [g gram;	atter; F HC/m mg: m	HC; CO: c RAF: react i]: running illigram; m	vity loss:	
						NN	/IOG+N (g/mi)		in S	CO (g/mi)			NOx g/mi)		HCHO ng/mi		
			n fili	CER	T	STD	CER	T STE) C	ERT	STD	CERT	4 50	STD	CERT	STD	
FTP@5	OK	13 * /		*		*	* *		orak is	*	*	*		*		- 10ef ★ 11e	
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50°F @4	IVI	SOLI ER3		0.03	35 0	.140	0.1	1.7	7	*	*	*	31 A 3	16			
		10 STATE OF			FUI	EL TYP	E				IMOG+NO	x (g/mi)	16 P. S.		CO (g/m		
										CERT STD		STD	CERT		T	T STD	
HWFE1	@ 50K		. 1 pr	* *************************************				-761	* *		Ait						
HWFE	T@UL			GASOLINE-TIER3 E10					0.	027	0.070						
20°F (@ 50K	C	OLD CO	E10	REGU	LAR G	GASOLINE (TIER3)		3)					0.4		10.0	
. F.			S	FTP	EXHAL	JST EM	ISSION	STANDA	ARDS A	ND C	CERTIFICA	ATION LE	VELS			,34 ±18	
					that the		JS06		1	· + · · · · · · · ·	SC03	1293	87		OMPOSITE		
	FUEL	TYPE		NN	/IOG+N (g/mi)		CO (g/mi)	Pi (mg/			G+NOx J/mi)	CO (g/mi)		G+NO /mi)	x CO (g/mi)	PM (mg/mi)	
@ 4K	*	CER			*		*				*	*					
			STD		*		*				*	*					
	-	ASOLINE- STD BIN			*		* *			*		*	0.046		0.5	*	
@ UL					*		*	*			*	*	0.	083	4.2	*	
													0.	070			
		W	HOLE V	EHIC	LE EV	APORA	TIVE E	MISSION	STANI	DAR	OS AND C	ERTIFICA	TION	LEVE	LS		
						Wi	WHOLE VEHICLE EVAPORATIVE TESTING										
	EVAPORATIVE FAMILY		FUEL TYPE		PE 3DHS (g/test) @ UL			2DHS (g/test)		@ UL		RL (g		g/mi) @ UL			
		_			CER	RT STD		FEL	CER	RT STD		FEL		CERT		STD	
LHYXR0125KEG		G	GASOLI LEV3 E	10 2561 0		300 * 0.		0.19	0.300		* 0		0.0	.03 0.05			
С	RVR / F	UEL	ONLY /	CAN	ISTER	BLEED	EVAP	ORATIVE	EMISS	NOI	STANDAR	RDS AND	CERT	TIFICA	TION LEV	'ELS	
			051:-	, ,						UEL ONLY EVAP							
	ORATIV .MILY	Έ	E ORVR (g/gal		allon) @ UL		FUEL TYPE			HS RIG TEST g/test) @ UL		2DHS RIG T (g/test) @				ANISTER est) @ 4K	
		F	UEL TY	PE	CERT	STD				ERT STD				TD	CERT	STD	
LHYXR0125KEG			ASOLINI IER3 E:		0.01	0.20	GASOLINE- LEV3 E10		*		*	*		*	0.006	0.020	



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EFFECTIV	E LEAK DIAMETER ST	ANDARD AND CERTIFICATION I			
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD		
LHYXR0125KEG	LHYXR0125KEG-OS1	0.00	0.02		

*: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: _DT<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; 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; 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

2020 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
en and makes became the armer record	to come reposite disease control senset	Carlos de Landis (1994). Elle	2.0	SA6	LHYXR0125KEG	1	P
HYUNDAI	KONA AWD	PC		SA6	LHYXR0125KEG	and the state of the state of	P
HYUNDAI	KONA FWD	if call PC	2.0	IN SAO			1

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