

Executive Order: A-254-0455
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-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		EST GROUP		VEHIC	LE CLASS(E	S)		FUEL CATEGORY			FUEL TYPE		
2021	2021 MHYXV02.0LF3 PC					PC DEDI			SINGLE FUEL HICLE		GASOLINE		
	USEFUL	LIFE (miles)		VEH	ICLE EMISS	ATE	GORY	INTERIM / IN	MEDIATE IN-USE STD				
EXH	I/ORVR	EVAP		FTP SFT			TP	FTP		SFTP			
150000 150000)	LEV3	SULEV30	LEV	3 C	OMPOSITE	*		PM		
SPECIAL FEATURES & EXHAUST E SYSTEMS					ON CONTROL			OBD STATUS			ENGINE DISPLACEMENT (L)		
1	ľ	FI, WR-HO2S	, но	2S, WU-TV	NC, TWC			FULL	ALL MODELS				
*			*					PARTIAL	*		2.0		
*	* *						PAR	TIAL WITH	*				
		E	VAPO	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	INFORMATIO	V			
EVA	AP / ORV	RFAMILY	EVA	PORATIVI	STD CATE	GORY	Y EVAP EMISSION STD VEHICLE CLASS SF			SPECIAL FEATURES			
1	MHYXR01	33LFG		LEV 3	OPTION2			PC			HCT		
				1	EMISSION CI	REDIT	INF	ORMATION	200000000000000000000000000000000000000				
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON ZERO-EVAP						ON-P	ZEV	NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS		
N N								N N					
	NMOG AND FLEET AVERAGE INFORMATION												
NMOG RAF					0-375		V) LDT	NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)		NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)			
*	* * 1.10 * 0.056				.058		0.065 *			*			

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).

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 29th day of June 2020.

Allen Lyons, Chief

Emissions Certification and Compliance Division



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ATTACHMENT

EVUALICT AND I	EVAPORATIVE EMISSION S	TARIDADDO ARIB	
EVUADOLANDI	EVAPORATIVE EMISSION S	I ANII ARIIS ANII	CERTIFICATION EVELS

	EXH	AUS	TANI) EV	APOI	RATIV	E EMIS	SSION	STAI	NDAF	RDS AN	D CERT	IFIC	ATION	LEV	FIS	1
		THE RESERVE THE PARTY NAMED IN	Wilder Williams				The second liverage and the se					(FTP, HW				ha ha &	
	FU	EL TY		CH4: r monox adjust ORVR	methar kide; N ment fa I [g HC	ne; NM Ox: oxi actor; 2 /gallon	OG: non- des of ni DHS/3DI dispense	CH4 org trogen; h HS [g H(janic g HCHO: C/test]:	as; HC formal 2/3 da efuelino	: hydroca dehyde; l ys diurna d vapor re	urbon; NMH PM: particu I+hot-soak ecovery; g: dure; SFTF	IC: n late ; RL gran	on-CH4 I matter; F [g HC/mi	HC; C RAF: re]: runr	eactive ing lo	rity
				NA	/IOG+I (g/mi		Ox CO (g/mi)			NOx (g/mi)				CHO g/mi)		PM (g/mi)	
				CER	T	STD	CERT	ST	D	CERT	STD	CER	Т	STD	CE	RT	STD
FTP@5		*		*		*	*	*		*	*	*		*	*		*
FTP@l	TI.	SOLIN ER3 E	10	0.01	12	0.030	0.2	1.	0	*	*	*		4	0.0	00	0.003
50°F @	AMI	SOLIN ER3 E		0.01	15 (0.060	0.6	1.	0	*	*	*		8			
					FII	EL TY	DE.			P	MOG+N	Ox (g/mi)			CO (g/mi)	
										C	ERT	STD		CERT		T STD	
HWFE	Г @ 50K					*					*	*					
HWFE	T@UL			GA	SOLIN	E-TIE	R3 E10			0	0.011 0.0		30				
20°F	@ 50K	CC	OLD CO	E10	REGU	JLAR G	ASOLIN	E (TIE	R3)					1.1		:	10.0
			S	FTP	EXHA	JST EN	AISSION	STAND	ARDS	AND (CERTIFIC	ATION LE	VEL	.S			
							US06			SC03		3			COMPOSITE		
	FUEL 7	TYPE		NN	(g/mi)	1	CO (g/mi)	1	M g/mi)	1	G+NOx J/mi)	CO (g/mi)		OG+NOx (g/mi)	1	(mi)	PM (mg/mi)
@ 4K	*		CERT		*		*				*	*					
@ vii.		S		*		*			1	*	*			1			
		GASOLINE- TIER3 E10 BIN		-	*		*		1		*	*	0.013		0	. 6	*
@ UL				1 6 11 1 7			*		6		*	*	0.077		4	.2	*
													0.030				
		WH	OLE V	EHIC	LE EV	APOR	ATIVE EI	MISSION	STAP	NDARE	S AND	CERTIFICA	TIO	N LEVEL	.S		
E1 (A D.	O D A 1511 /	_				W	HOLE V	EHICLE	EVAP	ORAT	IVE TEST	ring			(as loss		
	ORATIV	E F	UEL T	TYPE 3DHS (g			ı/test) @ UL			2DHS (g/test)		@ UL		RI	L (g/m		UL
MHYXR0133LFG GASOLIT				CERT		RT	STD	FEL	CE	RT	STD	FEL	CER		Т		STD
			0.2	48 0	.300	.300 *		.71	0.300	*		0.01		0.05			
C	RVR / F	UEL (ONLY /	CAN	ISTER	BLEE	DEVAPO	DRATIV	EEMIS	SION	STANDA	RDS AND	CEF	RTIFICAT	TON	EVE	LS
											JEL ONLY EVAP & CA						
	ORATIVI MILY	E	ORVR	ર (g/gallon) @ UL			FUEL	1 1		HS RIG TEST g/test) @ UL			2DHS RIG TES (g/test) @ UL		Control of the Contro		
			EL TY	-	CERT	STD			CE	RT	STD	CERT		STD	CER	T	STD
MHYXR	0133LF		SOLIN ER3 E		0.00	0.20	1	LINE- 3 E10	,	*	*	*		*	0.01	1	0.020



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EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)								
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD					
MHYXR0133LFG	MHYXR0133LFG-TL1	0.00	0.02					

the notapplicable; #: 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

2021 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH	OBD
HYUNDAI	TUCSON FWD	PC	2.0	SA6	MHYXR0133LFG	1	F