

HYUNDAI MOTOR COMPANY

Executive Order: A-254-0382

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	FORMA	TION					
MODE	TEST GROUP VEHICL			LE CLASS(ES)		FUEL CATEGORY			FUEL TYPE			
2019	9 KHYXV02.4MH5 PC				DEDIC			CATED SINGLE FUEL VEHICLE		GASOLINE		
	USEFUL	LIFE (miles)	VEH	ICLE EMIS	SION C	ATEGO	RY	INTERIM / INT	ERMI	EDIATE IN-USE STD		
EXH/ORVR EVAP				FTP SFT			FTP		SFTP			
15	0000	150000	LEV3	ULEV70	LEV	3 COMP	OSITE	NMOG+NOX AND	TD PM PM			
SPE	CIAL FE	EATURES & EXI	HAUST EMISSIC	ON CONTRO	OL		OBD S	TATUS	ENG	GINE DISPLACEMENT		
1 DFI, WR-HO2S, HO2S, WU-TWC, TWC						FL	JLL	. *				
*							PARTIAL ALL MODELS		2.4			
*	*						PARTIAL WITH *					
	-	EV	APORATIVE &	REFUELIN	G (EVA	P/ORVR) FAMILY	INFORMATION	,			
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGORY						EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES			
R	HYXR01	35MHG	LEV 3	LEV 3 OPTION2			PC			HCT		
				MISSION	CREDIT	INFOR	MATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON-F						NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS			
	N N						N			N		
			NMOG	AND FLEE	T AVE	RAGE IN	FORMA	TION				
NMOG RAF	NIMO(2/NIMIDIC)				(0-375	0 LVW) LDT (3		+NOX FLEET ST (3751 LVW-8500 R) + MDPV (g/mi)	1	NMOG+NOX FLEET ST MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10	*		0.072			0.083		*		

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.



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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).

day of May 2018.

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 at El Monte, California on this

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



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0.003

0.020

ATTACHMENT

	EXH	-	ANDE					_								
		EXH	AUST EM													
	FUI	FUEL TYPE		noxide; Nostment f VR [g HC	Ox: oxi actor; 2 /gallon	des of nit DHS/3DH dispense	rogen; Ho IS [g HC/ d]: on-bo	CHO: test]: ard re	formalde 2/3 days fueling	ehyde; Pi s diurnal- vapor red	oon; NMH M: particu hot-soak overy; g: ure; SFTP	late n ; RL [g gram;	natter; RA g HC/mi]; mg: milli	running logram; mi:	vity .	
				NMOG+			CO g/mi)			Ox (mi)		HCH(P) (g/i		
			CI	ERT	STD	CERT	STE		CERT	STD	CER	T	STD	CERT	STD	
FTP@5	OK	*		* .	*	*	*		*	*	*		*	*	*	
FTP@L	@UL GASOLINE- TIER3 E10		1 0	031	0.070	0.6	1.7		*				4 0.0011		0.003	
EVOE COVICE		GASOLINE- TIER3 E10		030	0.140	0,4	1.7		*	*	*		16	Por de	30 70	
				FUEL TYPE			NMOG+NOx (g/mi)					CO (g/mi)				
Access to the second				FUEL TYPE			<u> </u>		CE	RT	STD		CERT		STD	
HWFET @ 50K				*					*		*		R/TRAIN		_ /-	
HWFET @ UL GASOLINE-TIER3 E					R3 E10			0.019		0.070			が (2) (2) (3) (4) (4) (5) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7			
20°F	@ 50K	CC	OLD CO E	10 REG	ULAR G	ASOLINI	(TIER	3)	Terror				1.4		10.0	
			SFT	P EXHA			STANDA	RDS	AND C		ATION LE	VEL				
				US06						SC03			COMPOSITE			
	FUEL 1			NMOG+ (g/mi	OG+NOx CO (g/mi) (g/mi)		PM (mg/mi)		NMOG+NOx (g/mi)		CO NA (g/mi))G+NOx g/mi)	CO (g/mi)	PM (mg/mi	
@ 4K	*		CERT	*		*			,		*					
			STD	*		*			,	tr	*					
		GASOLINE- FIER3 E10 BI		*		*	1		,	t	*	0.030		0.8	*	
@ UL				*		*	6		,	*	*	0	.090	4.2	*	
												0	.070	2		
		WH	IOLE VEH	ICLE E								ATIO	LEVEL	S		
					V	HOLE V	EHICLE	EVAP	ORATI	VE TEST	ING					
EVAPORATIVE FAMILY		F	UEL TYP	L TYPE 3DHS (g			/test) @ UL		2DHS (g/test)		@ UL		RL (g/mi) @ UI		UL	
				CE	RT STD		FEL	CE	RT STD		FEL		CERT		STD	
KHYXR0135MHG			ASOLINE LEV3 E10				* 0.224		24	0.300 *		0.01			0.05	
C	RVR / F	UEL (ONLY / CA	NISTER	BLEE	D EVAPO	PRATIVE							ON LEVE	LS	
1											& CAN					
EVAPORATIVE FAMILY		E	ORVR (g/gallon) @ UL			FUEL			HS RIG TEST g/test) @ UL		2DHS RIG TI (g/test) @ l					
					CERT STD		CE							CERT		

GASOLINE-

LEV3 E10

GASOLINE-

TIER3 E10

KHYXR0135MHG

0.03

0.20



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EFFECTIV	E LEAK DIAMETER STA	NDARD AND CERTIFICATION I	LEVEL (INCHES)
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD
KHYKR0135MHG	KHYKR0135MHG-YP1	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: 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; GWR: 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

2019 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	ECS	OBD
HYUNDAI	SANTA FE AWD	PC	2.4	SA8	KHYXR0135MHG	1	P
HYUNDAI	SANTA FE FWD	PC	2.4	SA8	KHYXR0135MHG	1	P