

HYUNDAI MOTOR COMPANY

Executive Order: A-254-0379

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-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 GROUP	INFORM	ATION				
MODE		EST GROUP	VEHICLE CLASS(ES)			FUEL C	ATEGORY	FUEL TYPE		
2019	KI	HYXV03.3JKF	PC				SINGLE FUEL HICLE	GASOLINE		
	USEFU	L LIFE (miles)	VEH	ICLE EMISSION	CATEG	ORY	INTERIM / INT	ERMEDIATE IN-USE STD		
EXH/ORVR EVAP				FTP	SFT	P	FTP	SFTP		
120000 150000			LEV	2 ULEV	LEV 2 SF STANDAR		*			
SPE	CIAL FI	EATURES & EXI SYS	HAUST EMISSION	ON CONTROL		OBD S	TATUS	ENGINE DISPLACEMENT		
1	DFI,	2WR-H02S, 2H0	2S, 2WU-TWC, CAC	2TWC, 2TC,	F	ULL	*			
*			*		PA	RTIAL	ALL MODELS	3.3		
*			*			IAL WITH	*			
-		EV	APORATIVE &	REFUELING (EV	AP/ORV	R) FAMILY	INFORMATION	1		
EVA	P / ORV	R FAMILY	EVAPORATIVE	STD CATEGOR	Y	EVAP EMIS	SSION STD E CLASS	SPECIAL FEATURES		
B	HYXRO:	140 ЛМЕ	L	EV 2		c	*			
				MISSION CRED	IT INFO	RMATION				
	EDIT FO	OX FLEET AVE. OR EXTENDED RRANTY		EDIT FOR NON- ZERO-EVAP	PZEV	NMOG CI	REDIT FOR DOR	OPTIONAL EXH. STD FOR WORK TRUCKS		
		N		N			N	И		
			NMOG	AND FLEET AV	ERAGE	INFORMAT	TION			
MOG RAF	CH4 RAF	NIMOCINIMEC DCTI OT IN 276				LDT (+NOX FLEET ST(3751 LVW-8500 R) + MDPV (g/mi)	NMOG+NOX FLEET STE MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.04	*	0.07	2		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.



HYUNDAI MOTOR COMPANY

Executive Order: A-254-0379

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).

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 22 day of March 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



GASOLINE

TIER 2

UNLEADED

KHYKR0140JME

0.20

0.11

HYUNDAI MOTOR COMPANY

Executive Order: A-254-0379 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

		E	XHA	UST E	MIS	SION S	TANDA	RDS A	ND CERT	IFICA1	TION L	EVELS	(FTP, HW	FET,	50°F, 20	°F)		
	F	FUEL TYPE		a C	djust	xide; No tment fa R [g HC/	ox: oxid ctor; 20 gallon o	es of nit DHS/3DH dispense	rogen; H0 HS [g HC/ ed]: on-bo	CHO: fo test]: 2 ard reft	rmald /3 day ueling	ehyde; P s diurnal vapor re	bon; NMH 'M: particu +hot-soak; covery; g: ure; SFTP	RL [gram	natter; R/ g HC/mi]; ; mg: mill	AF: reactive running keigram; mi:	rity oss;	
							NMOG (g/mi)		CO (g/mi)			NOx (g/mi)			HCH(PM (g/mi)	
					CEF	RT	STD	CERT	STE	0	ERT	STD	CER	Г	STD	CERT	STD	
FTP@50		GASOLINE - CA PHASE 2				26 0	.040	0.5	1.7	7 0.03	.03	0.05	*		8	*	*	
FTP@U	11 1	GASOLINE - CA PHASE 2		1 0		33 0	.055	0.6	2.1	0.03	.03	0.07	*		11	*	0.01	
EUOE WAR			SOLINE - PHASE 2		0.0	38 0	.080	0.3	1.7	0	.01	0.05	*		16			
						EII	EL TYP	E				NOx (g/mi)			CO (g/mi)		
				POEL TIPE						CE	CERT STD			CERT		STD		
HWFET @ 50K				GASOLINE - CA PHASE 2					0.	.01	0.07							
HWFET @ UL				GASOLINE - CA PHASE 2						0.	.01	0.09			1941			
20°F @ 50K			GA.	ASOLINE-COLD CO LOW OCTANE										1.0 10.0		10.0		
				S	FTP	EXHAL	JST EM	ISSION	STANDA	RDS A	ND C	ERTIFIC	ATION LE	VEL	S			
					US06						SC03				COMPOSITE			
	FUEL TYPE				NMHC+NOx (g/mi)		CO (g/mi)			NMHC+NOx (g/mi)		CO (g/mi)	NMOG+NOx (g/mi)		CO (g/mi)	PM (mg/mi		
GASOLI @ 4K CA PHA					O.07		1.4			0.02		0.2						
				STD		0.14		8.0			0	.20	2.7					
				CERT		*		*	*			*	*	0	.063	*	*	
@ UL		A PHASE 2		STD		*		*				*	*	0	.090	*	*	
				BIN										0	.130			
			WH	OLE V	EHIC	CLE EV	APORA	TIVE E	MISSION	STAN	DARD	SAND	CERTIFICA	ATIO	N LEVEL	S		
							W	HOLE V	EHICLE	EVAPO	RATI	VE TEST	ring					
EVAPORATIVE FAMILY			FUEL TY		YPE	PE 3DHS (g/test) @ UL				2DHS (g/test) @ UL			RL (g/mi) @ UL			UL		
								TD FEL		CER	TE TREE		FEL		CER	Т	STD	
KHYXR0140JME		JME			LINE - 0.26		6 0	.50	* 0.		3	0.65	*		0.02 0.0		0.05	
	RVR	/ FUE	L C	NLY /	CAN	VISTER	BLEED	FYAP	ORATIVE	EMIS	SION	STANDA	RDS AND	CEF	RTIFICAT	ION LEVE	LS	
							•			FU	EL ON	NLY EVA	P & CAN	-				
EVAP	ORAT		ORVR		'R (g/gallon) @ UL			FUEL TYPE			DHS RIG TEST (g/test) @ UL			2DHS RIG TE (g/test) @ U				
			FUEL TYP		PE	CERT	STD		CEF	RT	STD	CERT	1	STD	CERT	STD		



HYUNDAI MOTOR COMPANY

Executive Order: A-254-0379

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

Page 4 of 4

EFFECTIVE	LEAK DIAMETER STAN	IDARD AND CERTIFICATION L	EVEL (INCHES)
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD
*		*	*

: 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; GWWR: 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	G90 AWD	PC	3.3	SA8	KHYXR0140JME	1	P
HYUNDAI	G90 RWD	PC	3.3	SA8	KHYXR0140JME	1	P