California Environmental Protection Agency	HYUNDAI MOTOR	Executive Order: A-254-0343 New Passenger Cars, Light-Duty Trucks and
O Air Resources Board	COMPANY	Medium-Duty Vehicles Page 1 of 4

Pursuant to the authority vested in the 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: 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 GROU	PINF	ORMATIO	N				
MODE	- 1 - 1	EST G	ROUP	VEH	ICLE CLASS(ES	LE CLASS(ES) F		EL CATE	GORY	FUEL TYPE		
2017	017 HHYXV01.61KF			PC	PC DEDIC			NGLE FUEL LE	GASOLINE			
1	USEFUL	LIFE	(miles)	V	EHICLE EMISSIC	NCA	TEGORY	IN	TERIM / INT	ERMEDIA	TE IN-USE STD	
EXH	/ORVR	EVAP		FTP		SFTP		FTP	SFTP			
12	120000 150000 LEV				EV2 ULEV	LEV 2 SFTP STANDARD			*	*		
SPE	SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS						OI	BD STAT	US	ENGINE DISPLACEMEN		
1	WU-TW	C, TW	C, WR-HO	02S, HO2S,	DFI, TC, CAC		FULL	AL	L MODELS			
*	*						PARTIA	L	*	1.6		
* *							PARTIAL V FINES	VITH	*			
			EV	APORATIVE	& REFUELING (EVAP	PORVR) FA	MILY INF	ORMATION			
EVA	P / ORV	R FAN	MILY	EVAPORAT	IVE STD CATEG	ORY		EMISSIC HICLE CL		SPECIA	L FEATURES	
H	IHYXR01	251K	2		LEV 2	EV 2					*	
					EMISSION CR	EDITI	INFORMAT	ION				
	A	LLOW	ANCE FO	R TEST GR	OUP				NMOG CR		OPTIONAL EXH	
BASELINE PZEV AT PZEV TZEV					TZEV	NON-PZEV ZERO-EVAP DO			TRUCKS			
* *					*		N P			I N		
				NM	OG AND FLEET	AVER	AGE INFO	RMATION	1			
NMOG RAF	CH4 FTP RAF NMOG/NMHC RATIO RATIO		PC+LDT (0-	NMOG+NOX FLEET PC+LDT (0-3750 LV (g/mi)				MDV	NOX FLEET STD / (10001-14000 VWR) (g/mi)			
*	*		1.04	*	0.	086		0	.101		*	

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.

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 NMOG+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

BE IT FURTHER RESOLVED:

California Environmental Protection Agency

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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 ________ day of August 2016.

nette Hebert, Chief Emissions Compliance, Automotive Regulations and Science Division

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FUEL TYPE

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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

1 1 1 2 2														
			NMOG (g/mi)		CO (g/mi)		NOx (g/mi)			HO /mi)		PM (g/mi)		
The Farth			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CER	T STD		
GASOLINE - FTP@50K TIER 2 UNLEADED		0.023	0.040	0.3	1.7	0.02	0.05	*	8	*	*			
FTP@UL	TI	ER 2 EADED	0.032	0.055	0.5	2.1	0.02	0.07	*	11	*	0.01		
50°F @4K	TI	ER 2 EADED	0.038	0.080	0.3	1.7	0.01	0.05	*	16				
					-			NOx (g/mi)			CO (g/mi)			
har the letter	Share 1			FUEL TYP	E		CE	RT	STD	CEF	RT	STD		
HWFET @ 50K		(GASOLINE - TIER 2 UNLEADED					01	0.07					
HWFET @ UL		GASOLINE	- TIER	2 UNLEAD	ED	0.	02	0.09		Andrew San Ma	Beld with the opt			
20°F@	50K	G	ASOLINE-	COLD CO	LOW OCTA	NE		and the second	alignet card	0.	7	10.0		

SETD EXHAUST EMISSION STANDARDS AND CERTIFICATION I EVELS

				US06		SC03	3	COMPOSITE			
	FUEL TYPE		NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMHC+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	
GASOLINE - TIER 2 @ 4K UNLEADED		CERT	0.05	1.5		0.01	0.2				
	01121222	STD	0.14	8.0		0.20	2.7			and the second second	
	CERT	*	*	*	*	*	0.052	*	*		
@ UL	@ UL GASOLINE - TIER 2 UNLEADED	STD	*	*	*	*	*	0.103	*	*	
		BIN		$\sum_{i=1}^{n-1} \left\{ \frac{1}{2} \sum_{i=1}^{n-1} \left\{ \frac{1}{2} + \frac{1}{2} \right\} \right\}$			6 8	0.130			
	W	HOLE VE	HICLE EVAPO	RATIVE EM	ISSION STA	NDARDS AND	CERTIFIC	ATION LEVELS	5		
				WHOLE VE	HICLE EVAP	PORATIVE TES	TING				
EVAPORATIVE		FUEL TY	PE 3DHS (g/test) @ UL			2DHS (g/test) @ UL	RL (g/mi) @ U		UL	
			CERT	STD	FEL CE	RT STD	FE	L CERT		STD	
ннух	201251KE	CA PHASE	0 20 1	0.50	* 0.	46 0.65	*	0.00		0.05	

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ORVINTO		NOTER	DELED	EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS FUEL ONLY EVAP & CANISTER BLEED								
EVAPORATIVE FAMILY	ORVR (g/gallon) @ UL			FUEL TYPE	3DHS RIG TEST (g/test) @ UL		2DHS RIG TEST (g/test) @ UL		BLEED CANISTER TEST (g/test) @ 4K			
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD		
HHYXR01251KE	GASOLINE - TIER 2 UNLEADED	0.02	0.20	*	*	*	*	*	*	*		

: 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; PZEV: partial ZEV; AT PZEV: advanced technology PZEV; 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; 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

2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
HYUNDAI	ELANTRA	PC	1.6	AM7, M6	HHYXR01251KE	1	F	*