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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.

					TES	r grou	P INFO	RMATION						
MODE YEAR	- 1 - 16	EST G	ROUP	v	EHICLE CLA		FUEL CATEGORY			FUEL TYPE				
2017	нн	YXV02	.4AJP		PC		DEDICATED SINGLE FUEL VEHICLE			GASOLINE				
USEFUL LIFE (miles) VEHICLE EMISSIO								CATEGORY INTERIM / INTERMEDIATE I			TE IN-USE STD			
EXH	/ORVR		EVAP		FTP		S	SFTP FTP			SFTP			
15	0000		150000	1	LEV3 SULEV	730 I.	EV 3	COMPOSIT	E	*	NMOG+NOX			
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS									ENGINE	ENGINE DISPLACEMENT (L)				
1 WU-TWC, TWC, WR-HO2S, HO2S, DFI FULL ALL MODELS														
*	* *							PARTIAL		*		2.4		
*	*							RTIAL WI	тн	*				
			EV	APORATI	VE & REFUI	ELING (E	VAP/C	RVR) FAN	AILY INF	ORMATION				
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGORY EVAP EMISSION STD VEHICLE CLASS SPECIAL FEATURES									L FEATURES					
H	HYXR01	40AH0	3	L	EV 3 OPTI	ON1	PC			HCT				
					EMISSI	ON CRE	DIT IN	FORMATIC	ON					
				OR TEST G								OPTIONAL EXH. STD FOR WORK		
BASE	LINE P2	ZEV	AT	PZEV	TZEV						TRUCKS			
ALI	MODEL	S		*	*		N			N N				
				٢	IMOG AND	FLEET A	VERA	GE INFOR	MATION	N				
NMOG RAF	CH4 RAF	NMO	FTP G/NMHC ATIO	HCHO/MMHC1 *		G+NOX LDT (0-3 (g/n	3750 L\	/W) L			MDV	NOX FLEET STD (10001-14000 /WR) (g/mi)		
*	*	:	1.10	*	* 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:

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],

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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 $6^{4/2}$ day of May 2016.

Annette Hebert, Chief

A Emissions Compliance, Automotive Regulations and Science Division

California Environmental Protection Agency

OB Air Resources Board

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							A	TAC	HME	ENT							
	EXH				-		A STATE ADDRESS OF	-	-				FICATIO				
		EXH											FET, 50°F		-		
	FU	FUEL TYPE		onoxid ljustme RVR [g	e; NO ent fac HC/g	x: oxide ctor; 2D gallon d	es of nitr HS/3DH ispense	ogen; H IS [g HC d]: on-bo	CHO: f /test]: 2 pard ref	ormald 2/3 days fueling	ehyde; P s diurnal- vapor rec	M: particu ⊦hot-soak covery; g:	C: non-CH late matte ; RL [g HC gram; mg: : supplem	r; RAF /mi]: r millig	: reactiv unning lo ram; mi:	ity oss;⁄	
						MOG+NOx (g/mi)		CO (g/mi)		NOx (g/mi)			HCHO mg/mi)	PM (g/mi)			
				CERT	1 :	STD	CERT	ST	DO	CERT	STD	CER	T	>	CERT	STD	
FTP@50	ок	*		*		*	*	*		*	*	*	*		*	*	
FTP@U		SOLIN V3 E		0.016	0	.030	0.4	1.	0	*	*		4		*	0.01	
50°F @4		V3 E		0.016	0	.060	0.4	1.	0	*	*	*	8	The second s			
					FUE	EL TYP	E					Dx (g/mi)			O (g/mi)		
									CERT STD			C	CERT		STD		
HWFET	T @ 50K			*							*	*	and a second				
HWFET @ UL				GASOLINE-LEV3 E10						0.008 0.030		Contraction (Contraction)	a ann a stàite ann ann ann ann				
20°F (@ 50K						LOW OC						Sarah .	1.4		10.0	
			SI	TP E	(HAU		ISSION	STAND	ARDS	ANDC	ERTIFIC SC03	ATION LE		COM	POSITE		
	FUEL	UEL TYPE		NMOG+NOx			CO PM		M	NMOG+NOx		CO		MOG+NOx		CO PM	
				(g/mi)			(g/mi) (m		ı/mi)	(g/mi)		(g/mi)	(g/mi)		(g/mi)	(mg/m	
@ 4K	*		CERT				Y *			*		*	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				
		S			*	4	*		a transformer A		*	*					
	G3 607	ASOLINE- EV3 E10 BI		CERT				*		*	*		*	0.013		0.6	*
@ UL					*		*		*		*	*	0.10	3	4.2	*	
				N								0.03	0				
		WH	IOLE VE	HICLE	EEVA								ATION LE	VELS			
EVAP	ORATIV	E .							EVAP		VE TEST			RL ((g/mi) @	UL	
	MILY		UEL TI	PE			(/test) @ UL		CEL	2DHS (g/test)		FEL				STD	
HHYXR0140AHG GA		GASOLIN	INE- 0.258 0		.350 FEL		0.2		0.350			0.02		0.05			
			LEV3 E						EMIC	SION	TANDA	DDS AND	CERTIFI	CATI		1.6	
	JKVK/I	UEL	UNLT /	CANIS	ICK	BLEED	EVAPL	ATIV					STER BL				
		E	E ORVR (g/ga					TYPE	3D	DHS RIG TEST (g/test) @ UL		2DHS	RIG TEST st) @ UL	G TEST BLEE		NISTER st) @ 4M	
		FL	JEL TYP	ECE	RT	STD			CE		STD	CERT	STD	_	CERT	STD	
HHYXR	R0140AF	GA	SOLINE TIER 2 NLEADE	- 0.	.02	0.20		LINE- 3 E10	0.	04	0.0	0.05	0.0		*	*	

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LDT<6000#GVWR,3751-5750#LVW; LDT3: LDT 600 8500#ALVW; MDV: medium-duty vehicle; MDV4: ME duty passenger vehicle; HDV: heavy-duty vehicle; EC emission limit; GVWR: gross vehicle weight rating; L ULEV: ultra LEV; SULEV: super ULEV; ZEV: zero-er TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing ca catalyst; NAC: NOx adsorption catalyst; SCR-U or SC NH3OC: ammonia oxidation catalyst; CTOX/PTOX: of filter for spark-ignited engine; HO2S/O2S: heated/ox NOXS: NOx sensor; PMS: PM sensor; RDQS: reduce EGRC: EGR cooler; AIR/AIRE: secondary air injection fuel injection; DFI/IFI: direct/indirect fuel injection; TC fines on-board diagnostic; DOR: direct ozone reducir suffix: series; CNG/LNG: compressed/liquefied natur E10: "10%" ethanol ("90%"gasoline) fuel; A: automat	01-8500#GVWR,3751-5750 DV 8501-10000#GVWR; MI CS: emission control system VW: loaded vehicle weight; mission vehicle; PZEV: part atalyst; ADSTWC: adsorbin CRC/SCR-N or SCRC-NH3 continuous/periodic trap oxi ygen sensor; WR-HO2S or tant quality sensor; NH3S: on (belt driven)/(electric driv C/SC: turbo/super charger; (ng; HCT: hydrocarbon trap; al gas; LPG: liquefied petro ic (with lockup); M: manua	DV5: MDV 10001-14000#GVWR; MDPV: medium- n; CERT: certification; STD: standard; FEL: family ALVW: adjusted LVW; LEV: low emission vehicle; ial ZEV; AT PZEV: advanced technology PZEV; g TVVC; HAC: HC adsorbing catalyst; WU: warm-up 8: selective catalytic reduction-urea/ammonia; idizer; DPF: diesel particulate filter (active); GPF: PM AFS: wide range/linear/heated air-fuel ratio sensor; ammonia sensor; EGR: exhaust gas recirculation; ren); PAIR: pulsed AIR; SFI/MFI: sequential/multiport CAC: charge air cooler; F/P/\$: full/partial/partial with

continuously variable transmission; SCV: selectable continuously variable transmission; AN 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	SONATA	PC	2.4	SA6	HHYXR0140AHG	1	F	PZEV
HYUNDAI	SONATA SPORT, SONATA LIMITED	PC	2.4	SA6	HHYXR0140AHG	1	F	PZEV

JPF/