

### KIA MOTORS CORPORATION

Executive Order: A-314-0336

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 GRO	DUP IN	FORI	MATION					
MODE		ST GROUP	VEHICLE CLASS(ES)			riya :	FUEL CATEGORY			FUEL TYPE		
2020	LKI	MXV03.3JJ5	eren despendent.	PC DEI				SINGLE FUEL HICLE	55 (	GASOLINE		
1.4	USEFUL	LIFE (miles)	VEH	ICLE EMISS	SION C	ATEC	ORY	INTERIM / INT	ERN	MEDIATE IN-USE STD		
EXH	I/ORVR	EVAP		S CETP SE			FTP STREET		SFTP			
15	0000	150000	LEV3	ULEV70	EV70 LEV 3 COMPO			() a con PM 3	nii 1	PM market		
SPE	CIAL FE	ATURES & EXI	AUST EMISSIC	ON CONTRO	)L	- Y(10)	OBD S	TATUS	EN	IGINE DISPLACEMENT		
1 DFI, 2WR-HO2S, 2HO2S, 2WU-TWC, TWC							FULL	SOME MODELS				
*					PARTIAL		SOME MODELS		3.3			
*			* .				ARTIAL WITH *					
		EV	APORATIVE &	REFUELING	(EVA	P/OR	VR) FAMILY	INFORMATION				
EVA	P / ORVI	RFAMILY	STD CATE	GORY		EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES			
I	KMXR01	32JJG	LEV 3	OPTION2			PC			*		
				EMISSION C	REDIT	INFC	RMATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY  NMOG CREDIT FOR NON-F						ΈV	I KIMOVE CELLII EOD DOD			OPTIONAL EXH. STD FOR WORK TRUCKS		
	n n						N N					
			NMOG	AND FLEE	T AVEF	RAGE	INFORMA	TION				
NMOG RAF	I NIMOGANIMECT DCTIDIOGA				0-3750					NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10	*	0	0.065			0.074 *				

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.)



### KIA MOTORS CORPORATION

Executive Order: A-314-0336

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

Page 2 of 4

Section 1950 Shifts as applicable

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  $28^{P_1}$  day of June 2019. Allen Lyons, Chief Emissions Compliance, Automotive Regulations and Science Division PENDAMA TANDAT TRUES TO DO SUNTA THE HAR SIMPLEY WE CHORD TENNY TO END 外面自身位于国际 新草草的新原 (1927年) 接触现在第13日 DESIGNATION OF THE PROPERTY OF MANOCHARING STONE MANOCHARING STONES OF THE PARTY OF THE STONES OF THE PARTY OF THE STONES OF THE ST PORTO TO THE PROPERTY OF LINE (COLUMN ASSOCIATION) HIN LAW day, a first convey 早世界 Decida VICAL - IRSA CA THE PARTY **港**种位。(5)

Sed Sig Affactioner in Vehicle Models Touge pave Pähilligh-Social Lagiscetter), Erhispich Celebol Systems, Franc In Charlestip, CHC Camplianus, Eine sich Stendonts and Centrussion I social Latinsplatique, "An copiesible, " Resident without and COS pyra (A.C. Charlings in the Williams in the Exercise Charle de Latins of the social CNA reduced by the COS Bertins (2014) and the CoS and CON social CNA reduced by the CoS Bertins (2014) and the CoS and CON social CNA reduced by the CoS and COS a



**FUEL TYPE** 

GASOLINE-

TIER3 E10

LKMXR0132JJG

**CERT** 

0.02

STD

0.20

GASOLINE-

LEV3 E10

## KIA MOTORS CORPORATION

Executive Order: A-314-0336

New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

Page 3 of 4

# **ATTACHMENT**

	E	XHA	JST.	AND	EVA	PORAT	IVE	EMIS	SION	STAN	IDAR	DS AN	D CERT	IFIC	ATION	LEVELS	3		
			XHA	C	H4: m	ethane; N de; NOx:	IMO oxid	G: non-0 es of niti	CH4 orga rogen; H	anic ga	as; HC: formale	hydrocai dehyde; F	M: partici	IC: no	on-CH4 H	IC; CO: ca	vity		
		FUEL TYF		1	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														
							15 1 7 - Way	OG+NOx (g/mi)		100	CO g/mi)	6 376 6 376		NOx J/mi)	1.0	HCH mg/n	Notice of the said	11.5	M mi)
				. 1.71	CERT	STE	)	CERT	STI	D	CERT	STD	CER	T	STD	CERT	STD		
FTP@5	OK		*		**	Sel Tovide. Historia	The contract of	41	*	111 2	* * *		a Contain <b>∗</b> i	SEA T	***	- X 5 * 1 1 5	(1812 <b>) (</b> 1812) <b>(</b>		
FTP@l	CASOL THE-		12.11	0.05	0.07	70	0.6	1.	7	*	*			4	0.001	0.003			
50°F @	4K		LINE 3 E1		0.068	0.14	10	0.5	1.	7	*	n en a¥u. Haidh a	*		16				
AMOUNT OF STREET			FUEL TYPE						NMOG+NOx		Ox (g/mi)	4.13	CO (g/mi)		Martin.				
	S. Led				- TOLL III L					19 : 1	CERT		STD	STD		Τ	STD		
HWFE'	Т@	50K			and the state of the second of				er argene	. 200	erikal en laur la la diskara			the residence comes do		e e e e e e e e e e e e e e e e e e e			
HWFET@UL GASOLINE-TIER					3 E10	E10 0.015		015	0.070		4404		A Company of the Comp						
20°F	@ 50	0K	COL	D CO	E10	REGULAR	G.	SOLINE	(TIER	(3)	40.5			100	1.5	3,4	10.0		
	5-		174	S	FTP E	XHAUST			STANDA	ARDS	AND C	ERTIFIC	ATION L	EVEL					
					6-14			US06		errous would	SC03 NMOG+NOx		1,41	1,44		MPOSITE			
	FUEL TYPE		PE		NMOG+NOx (g/mi)			CO Pf (g/mi) (mg/				G+NOx /mi)	(g/mi)			(g/mi)	PM (mg/mi)		
@ 4K	3	*		CERT	₹T = 3 <sup>*</sup> *7*		7	* 1.4				* -	* 124						
				STD		*		*	H.			*	*	*		A STATE OF THE STA			
	CEI							*	$\perp$	*	5	5		*	*	(	.039	1.0	*
@ UL		TIER3 E10		GASOLINE- TIER3 E10 S		1 8 11 1		*		*		5	*		*		.083	4.2	*
				BIN		Whe We		A STATE OF		A STATE	相對		<b>第</b> 5.000000	C	.070		a Cortain		
			WHO	LE V	EHICL	E EVAPO	)RA	TIVE EN	MISSION	STAN	IDARD	S AND C	ERTIFIC	ATIO	N LEVEL	_S			
				WH	HOLE VEHICLE EVAP			ORATIVE TESTING				DI (v/v ) O III							
EVAPORATIVE FAMILY		FUEL 11PE		/PE				UL	2DHS (g/test)			@ UL		RI	RL (g/mi) @ UL				
					CERT	S	TD	FEL	EL CEI		STD	FEL		CER	Т	STD			
LKMXR0132JJG		LE	EV3 E	OLINE- 3 E10 0.215 0			300	00 * 0.1		0.300		*	* 0.0						
(	DRVE	R / FU	EL ON	NLY /	CANIS	STER BLE	EED	EVAPO	RATIVE							TION LEV	ELS		
	EVAPORATIVE		ORVR (g/gallon) @ UL				-			3D	JEL ONLY EVAP & CANIST HS RIG TEST 2DHS RIG			RIG	TEST BLEED CANISTER				
FAMILY		FUEL TYPE CERT STR					FUEL TYPE			(g/test) @ UL		(g/test) @							

**CERT** 

STD

**CERT** 

STD

\*

**CERT** 

0.012

STD

0.020



III (State) LA

#### KIA MOTORS CORPORATION

Executive Order: A-314-0336

New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

Page 4 of 4

1.10447

THE STATE OF THE

证的用型agaziny 的

EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)								
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD					
LKMXR0132JJG	LKMXR0132JJG-UM1	0.00	The state of the state of 0.02 state and the state of the					

\*: 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; 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; 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; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

# 2020 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
KIA	SORENTO AWD	PC	3.3	SA8	LKMXR0132JJG	1	<b></b>
KIA	SORENTO AWD	PC (1.2.1)	3.3	SA8 555	LKMXR0132JJG	1	P
KIA	SORENTO FWD	PC	3.3	SA8	LKMXR0132JJG	1	F
KIA	SORENTO FWD (W/SCC)	PC	3.3	SA8	LKMXR0132JJG	1	P

r end production and product and research for the contract of the contract of

A Spirate of

PURTOWN Y THAN A GAMESTER ALPED

J. War ( Mad Ja).