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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-19-095;

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.

RAF RAF RATIO RATIO PC+LDT (0-3750 LVW) LDT (3751 LVW-8500 GVWR) (10,001-14,000 GVWR) (g/mi) GVWR) (g/mi)						TEST GRO	UP IN	NFOR	MATION			:		
USEFUL LIFE (miles)			EST GROUP		VEHIC	LE CLASS(E	S)		FUEL CATEGORY			FUEL TYPE		
STANDARD	2019	КМ	LNV04.0M14		PC				1			GASOLINE		
150000		USEFUL	LIFE (miles)		VEH	ICLE EMISS	ION C	ATE	GORY	INTERIM / IN	TERN	MEDIATE IN-USE STD		
150000	EXH	I/ORVR	EVAP			FTP		SF	TP	FTP		SFTP		
SYSTEMS	15	50000	15000)	CERTI LEV3 U	FYING TO LEV 2 LEV NMOG+ STAND		*			*			
* * * * * PARTIAL ALL MODELS * * PARTIAL WITH * * PARTIAL WITH * * PARTIAL WITH TINES * * PARTIAL WITH * * PARTIAL WITH TINES * * PARTIAL WITH * * PARTIAL WITH TINES * * PARTIAL WITH * * PARTIAL WITH TINES * * PARTIAL WITH * * PARTIAL WITH TINES * * PARTIAL WITH * * PARTIAL WITH TINES * * PARTIAL WITH TINES * * PARTIAL ALL MODELS * PARTIAL A	SPE	CIAL FE				ON CONTRO	L		OBD S	TATUS	EN			
* * * * * * * * * * * * * * * * * * *	1	2TWC	(2), 2H02S(2), s	FI, AIR,	2TC, 2CAC	200		FULL	*	200			
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION EVAP / ORVR FAMILY	*	* *						Р	ARTIAL	RTIAL ALL MODELS		4.0		
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGORY EVAP EMISSION STD VEHICLE CLASS SPECIAL FEATURES ** EMISSION CREDIT INFORMATION NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON-PZEV ZERO-EVAP NMOG CREDIT FOR DOR NMOG NON FLEET STD NMOG NON FLEET STD LDT (3751 LVW-8500 GVWR) (g/mi) NMOG CH4 RAF NMOG/NMHC RATIO NMOG-NOX FLEET STD LDT (3751 LVW-8500 GVWR) (g/mi) NMOG CWR) (g/mi)	*		1w	*			100 May 200 Ma			* 1		,		
EVAPORATIVE STD CATEGORY VEHICLE CLASS SPECIAL FEATURES ** ** ** ** ** ** ** ** **			E	VAPC	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMILY	INFORMATION	1			
EMISSION CREDIT INFORMATION NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON-PZEV ZERO-EVAP NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR	EVA	P / ORV	RFAMILY	EVA	PORATIVE	STD CATE	GORY	V			SI	PECIAL FEATURES		
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON-PZEV ZERO-EVAP NMOG CREDIT FOR DOR OPTIONAL EXH. STD FOR WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CH4 RAF RAF RAF RAF RAF RAF RAF RAFIO NMOG+NOX FLEET STD PC+LDT (0-3750 LVW) (g/mi) RATIO NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) (g/mi) ROWR) GVWR) (g/mi)	1	KMLNR01	64M14		L	EV 2			PC *			*		
CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON-PZEV ZERO-EVAP NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG WORK TRUCKS NMOG AND FLEET AVERAGE INFORMATION NMOG CREDIT FOR DOR NMOG CRED						EMISSION CF	REDIT	rinfo	RMATION					
NMOG AND FLEET AVERAGE INFORMATION NMOG CH4 RAF RAF RAF RAFIO NMOG+NOX FLEET STD PC+LDT (0-3750 LVW) (g/mi) NMOG+NOX FLEET STD LDT (3751 LVW-8500 MDV (10,001-14,000 GVWR) + MDPV (g/mi) GVWR) (g/mi)	5.555	CREDIT FOR EXTENDED NMOG CREDIT FOR N					ON-P	-PZEV NMOG CREDIT FOR DOR			- 1			
NMOG RAF RAF RATIO NMOG/NMHC RATIO HCHO/NMHC RATIO NMOG+NOX FLEET STD PC+LDT (0-3750 LVW) (g/mi) NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) (g/mi) NMOG+NOX FLEET STD (3751 LV	N N						и и				N			
RAF RAF RATIO PC+LDT (0-3750 LVW) LDT (3751 LVW-8500 GVWR) (g/mi) MDV (10,001-14,000 GVWR) (g/mi)					NMOG	AND FLEET	AVE	RAGI	INFORMA	TION				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		NMOG CH4 NMOG/NMHC HCHO/NMHC PC+LDT (0-37			0-375		VW) LDT (3751 LVW-8500 MDV (10,0		MDV (10,001-14,000					
" " 1.04 * 0.125 0.125 *	*	*	1.04		*	0	.125			0.125		*		

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.)



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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).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

This Executive Order hereby supersedes Executive Order A-401-0011-1 dated January 28, 2019.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 37 day of November 2019.

Allen Lyons, Chief

Emissions Certification and Compliance Division



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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

FUEL TYI	PE
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		NMOG (g/i		· C		N((g/i		HC (mg		P (g/	0.000
		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K	*	*	*	*	*	*	*	*	*	*	*
FTP@UL	GASOLINE - CA PHASE 2	0.087	0.125	0.7	2.1	*	*	0.4	11	*	0.01
50°F @4K	GASOLINE - CA PHASE 2	0.124	0.250	1.4	2.1	*	*	1.2	16		

	FUEL TYPE	NMOG+N	lOx (g/mi)	CO (g/mi)		
	FOEL TIPE	CERT	STD	CERT	STD	
HWFET @ 50K	*	*	*			
HWFET @ UL	GASOLINE - CA PHASE 2	0.041	0.125			
20°F @ 50K	GASOLINE - CA PHASE 2		New York	2.1	10.0	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

	1.7			US06		SC03	3	CON	POSITE	
	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)
@ 4K	GASOLINE - TIER 2 UNLEADED	CERT	0.02	0.0		0.03	0.2			
	f	STD	0.14	8.0		0.20	2.7	超越 一		
		CERT	*	*	*	*	*	0.068	*	*
@ UL	GASOLINE - TIER 2 UNLEADED	STD	*	*	*	*	*	0.090	*	*
		BIN						0.070		

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

EVAPORATIVE FAMILY			WHOLE \	/EHICLE	EVAPORA	TIVE TESTI	NG		
	FUEL TYPE	3DHS (g/test) @ UL			2DHS (g/test) @ UL			RL (g/mi) @ UL	
		CERT	STD	FEL	CERT	STD	FEL	CERT	STD
KMLNR0164M14	GASOLINE - TIER 2 UNLEADED	0.36	0.50	*	0.46	0.65	*	0.05	0.05



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		-		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 CANISTE TEST (g/test) @			
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD		
KMLNR0164M14	GASOLINE - TIER 2 UNLEADED	0.10	0.20	*	*		*	*	**	*		
	EFFECTIVE I	LEAK	IAMET	ER STANDAR	D AND CE	RTIFICA	TION LEV	EL (INCI	HES)			
EVAPORATIVE FAMILY		LEA	K FAMIL	Υ	CERT				STD			
*		1	*	*				*				

: 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; HP/LP EGR: High/Low Pressure EGR; 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; a hyphen (-) between after treatment ECS indicates multiple functionalities of the after treatment device (ex. DPF-SCRC: SCR coated DPF); 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

2019 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
MCLAREN	720S COUPE	PC	4.0	AMS7	KMLNR0164M14	1	P
MCLAREN	720S SPIDER	PC	4.0	AMS7	KMLNR0164M14	1 2	P
MCLAREN	SENNA	PC	4.0	AMS7	KMLNR0164M14	1	P
MCLAREN	SENNA CANAM	PC	4.0	AMS7	KMLNR0164M14	1	P
MCLAREN	SENNA LM	PC	4.0	AMS7	KMLNR0164M14	1	P