

Executive Order: A-344-0088

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 INFORMATION													
MODEL YEAR TEST GROUP				VEHICLE CLASS(ES)				FUEL C	ATEGORY		FUEL TYPE		
201	B JR	IID06.87CV		MDV5 DED:					SINGLE FUEL	L	LIQUEFIED PETROLEUM GAS		
	USEFUL	. LIFE (miles)		VEHICLE EMISSION CATEGOR				GORY	INTERIM / IN	TER	RMEDIATE IN-USE STD		
EXI	H/ORVR	EVAP		FTP S			SF	FTP FTP			SFTP		
120000 150000				LEV	V2 ULEV *			•	*		*		
SPI	ECIAL FE	ST EMISSIO S	ON CONTRO	L		OBD S	OBD STATUS		NGINE DISPLACEMENT (L)				
1		2TWC, 2WR-	HO2S	S, 2HO2S, SFI			FULL		*				
*		*			Р	ARTIAL	ALL MODELS		6.8				
*	*						0.10.00.0	TIAL WITH FINES	*				
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION													
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR									SSION STD E CLASS	SPECIAL FEATURES			
JRIIF0265LP2 LEV 2						М			MDV5		*		
				I	EMISSION C	REDIT	INFO	ORMATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NO ZERO-EVAP						ON-P	ZEV	NMOG C	NMOG CREDIT FOR DOR		OPTIONAL EXH. STD FOR WORK TRUCKS		
N N								N N					
NMOG AND FLEET AVERAGE INFORMATION													
NMOG RAF	NMOG/NMHC					VW-8	500 G				NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	* 1.0 * *					*		*			*		

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.)



Executive Order: A-344-0088

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:

Executed at El Monte, California on this

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.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



Executive Order: A-344-0088 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles
Page 3 of 4

								Α	TTA	CHM	IENT									
-	EXH						-		-						ATION		/ELS			
	FL		TYF	C m a O	H4: monoxio djustm	ethane de; NC ent fa g HC/	e; NMC 0x: oxic ctor; 2I gallon	G: non- des of ni DHS/3D dispens	·CH4 org trogen; l HS [g H ed]: on-b	ganic g HCHO: C/test]: ooard r	as; HC: formald 2/3 day:	hydrocai ehyde; F s diurnal vapor re	bon; NN M: parti +hot-so: covery;	MHC: r culate ak; RL g: grar	non-CH4 matter; F [g HC/mi m; mg: mi pplement	HC; C RAF: r i]: run illigrar	eactivi ning lo n; mi:	ty ss;		
					NMOG (g/mi)			CO (g/mi)				NOx (g/mi)			HO mi)					
					CERT		STD	CER	T S	ΓD	CERT	STD	CE	RT	STD	CE	RT	STD		
FTP@5	ок	4	ŀ		*		*	*		k	*	*		*	*		*	*		
FTP@L	JL L	PG-	CAR	В	0.053	7 0	.167	2.33	L 7	. 3	0.08	0.4		*	21	* 0.0		0.06		
50°F @	4K L	PG-	CAR	в	0.032	4 0	.334	2.69	7	. 3	0.01	0.4		*	42					
						E110	EL TYF) E				NOx (g/mi)			СО	(g/mi)			
						FUI	-L				CE	RT	ST	D	CER	RT		STD		
HWFE ⁻	T @ 50H	<			*							*								
HWFE	WFET @ UL			LPG-CARB						0.	0.04		0.8							
20°F	@ 50K						*								*	* *				
				s	FTP E	XHAL	STEN	IISSION	STANE	DARDS	S AND C	ERTIFIC	ATION	LEVE	LS					
					US06							SC03				COMPOSITE				
	FUEL	L TYPE			NMHC+NOx (g/mi)		Ох	CO (g/mi)	PM (mg/mi)			C+NOx mi)	CO (g/mi)		NMOG+NO: (g/mi)		CO g/mi)	PM (mg/mi)		
@ 4K	,	* CEI		CERT	т *			*	*			* .								
			-	STD		*		*				*	*							
1.				CERT		*		*		*		*	*		*	-	. * *			
@ UL	JL *							*		*		*	*		*		*	*		
				BIN											*					
			WHO	OLE V	EHICL	E EV								CATIO	ON LEVE	LS				
EVAPORATIVE FUEL -				UEL TY						HICLE EVAPORATIVE TESTING UL 2DHS (g/test) @ U				RL (g/mi) @ l			UL			
FAMILY		_Y		FUEL TYPE				STD						FEL						
JRITE	0265L	P2	т.	PG-CA	RR	0.7		L . 00	FEL *	+	*	1.25	 	*	CEI		STD			
													RDS A		RTIFICA		0.05			
									ONA III						R BLEE		LEVE	LU		
EVAPORATIVE FAMILY		VE	E ORVR		R (g/gallon) @ UL) UL	FUE	L TYPE	31	DHS RIG	HS RIG TEST g/test) @ UL		2DHS RIG (g/test) @		TEST BLEI		ED CANISTER T (g/test) @ 4K		
-		FL		FUEL TYPE C		CERT STD		7			ERT			T			RT	STD		
	*			*		*	*		*		*	*	*		*	*	* *			
		E	FFI	ECTIV	E LE	AK D	IAME	TER ST	ANDA	RD A	ND CEF	RTIFICA	TION	EVE	L (INCH	ES)				
EVAPORATIVE FAMILY LEAK FAMILY						ILY		CERT					STD							
*					*					*					. *					



Executive Order: A-344-0088

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

Page 4 of 4

*: 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

2018 MODEL YEAR: VEHICLE MODELS INFORMATION

			M. 970-11-01-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1				
MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
FORD (ROUSH)	E350	MDV5	6.8	A6	JRIIF0265LP2	1	P