

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 GROUP INFORMATION							
MODEL YEAR	TEST GROUP	VEHICLE CLASS(ES)		FUEL CATEGORY		FUEL TYPE	
2016	GCEXD06.78WV	MDV5		DEDICATED SINGLE FUEL VEHICLE		DIESEL	
USEFUL LIFE (miles)		VEHICLE EMISSION CATEGORY			INTERIM / INTERMEDIATE IN-USE STD		
EXH/ORVR	EVAP	FTP		SFTP		FTP	SFTP
150000	*	LEV3 ULEV570		*		*	*
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS				OBD STATUS		ENGINE DISPLACEMENT (L)	
1	TC, CAC, DFI, EGR, EGRC, OC, DPF, SCRC, NH3OC, RDQS, NOXS (2)			FULL		*	
*	*			PARTIAL		*	
*	*			PARTIAL WITH FINES		ALL MODELS	
6.7							
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION							
EVAP / ORVR FAMILY		EVAPORATIVE STD CATEGORY		EVAP EMISSION STD VEHICLE CLASS		SPECIAL FEATURES	
*		*		*		*	
EMISSION CREDIT INFORMATION							
ALLOWANCE FOR TEST GROUP			NMOG CREDIT FOR NON-PZEV ZERO-EVAP		NMOG CREDIT FOR DOR		OPTIONAL EXH. STD FOR WORK TRUCKS
BASELINE PZEV	AT PZEV	TZEV					
*	*	*	N		N		N
NMOG AND FLEET AVERAGE INFORMATION							
NMOG RAF	CH4 RAF	FTP 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) + MDPV (g/mi)	
*	*	*	*	*		*	

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], 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).

BE IT FURTHER RESOLVED:

The listed vehicle models are conditionally certified in accordance with 13 CCR Section 1968.2(k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because, as described in ARB approval letter (Reference No. E-15-105) dated May 8, 2015, the on-board diagnostic II (OBD) system of the listed vehicle models has been determined to have eleven to twelve deficiencies for vehicles equipped with automatic transmissions, and ten deficiencies for vehicles equipped with manual transmissions.

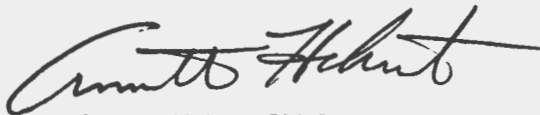
The listed vehicle models are approved subject to the manufacturer paying a fine of \$400 per vehicle for the third through twelfth deficiencies for vehicles equipped with 68RFE automatic transmissions, \$350 per vehicle for the third through eleventh deficiencies for vehicles equipped with Aisin automatic transmissions, and \$300 per vehicle for the third through tenth deficiencies for vehicles equipped with manual transmissions in the listed test group that is produced and delivered for sale in California.

On a quarterly basis, the manufacturer shall submit to the Air Resources Board reports of the number of vehicles produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2016 model-year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which case all vehicles covered under this conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$5000 per vehicle pursuant to HSC Section 43154.

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 15 day of May 2015.



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

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

[illegible]

	FUEL TYPE	NMHC+NOx (g/mi)		CO (g/mi)	
		CERT	STD	CERT	STD
HWFET @ 50K	*	*	*		
HWFET @ UL	DIESEL-EPA	0.104	0.570		
20°F @ 50K	*			*	*

	FUEL TYPE		US06			SC03		COMPOSITE		
			NMHC+NOx (g/ml)	CO (g/ml)	PM (mg/ml)	NMHC+NOx (g/ml)	CO (g/ml)	NMHC+NOx (g/ml)	CO (g/ml)	PM (mg/ml)
@ 4K	*	CERT	*	*		*	*			
		STD	*	*		*	*			
@ UL	*	CERT	*	*	*	*	*	*	*	*
		STD	*	*	*	*	*	*	*	*
		BIN						*		

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California Environmental Protection Agency  Air Resources Board	CUMMINS ENGINE CO., INC.	Executive Order: A-021-0627 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 4 of 4
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*: 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: medium-duty passenger 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

2016 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
RAM	RAM 3500 4X2	MDV5	6.7	A6	*	1	\$	*
RAM	RAM 3500 4X2	MDV5	6.7	M6	*	1	\$	*
RAM	RAM 3500 4X4	MDV5	6.7	A6	*	1	\$	*
RAM	RAM 3500 4X4	MDV5	6.7	M6	*	1	\$	*