


<b>California Environmental Protection Agency</b>  <b>Air Resources Board</b>	NISSAN MOTOR COMPANY, LTD.	Executive Order: A-015-0748-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 1 of 4
---	-------------------------------	---

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		
2017	HNSXD05.6V9B		MDV4		DEDICATED SINGLE FUEL VEHICLE		GASOLINE		
USEFUL LIFE (miles)		VEHICLE EMISSION CATEGORY				INTERIM / INTERMEDIATE IN-USE STD			
EXH/ORVR	EVAP	FTP		SFTP		FTP		SFTP	
150000	150000	LEV3 ULEV200		LEV3 ULEV (FULL US06, SC03, FTP TEST CYCLE)		NMOG+NOX		NMOG+NOX	
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS				OBD STATUS			ENGINE DISPLACEMENT (L)		
1	2TWC (2), 2HO2S, 2WR-HO2S, DFI			FULL		*		5.6	
*	*			PARTIAL		*			
*	*			PARTIAL WITH FINES		ALL MODELS			
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION									
EVAP / ORVR FAMILY		EVAPORATIVE STD CATEGORY			EVAP EMISSION STD VEHICLE CLASS		SPECIAL FEATURES		
HNSXF0174PBB		LEV 2			MDV4		*		
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 LDT (3751 LVW-8500 GVW) + MDPV (g/mi)	NMOG+NOX FLEET STD MDV (8501-10000 GVWR) (g/mi)	NMOG+NOX FLEET STD MDV (10001-14000 GVWR) (g/mi)			
*	*	1.10	*	*	*	*			

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 the on-board diagnostic II (OBD) system of the listed vehicle models has been determined to have either three deficiencies (NV models) or five deficiencies (Titan models). The listed vehicle models are approved subject to the manufacturer paying a fine of \$25 per vehicle for the third deficiency (for vehicles with three deficiencies) and \$100 per vehicle for the third through fifth deficiencies (for vehicles with five deficiencies) in the listed test group that are produced and delivered for sale in California.

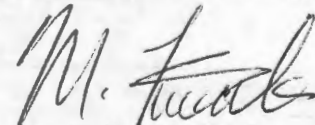
On a quarterly basis, the manufacturer shall submit to the Air Resources Board reports of the number of vehicles produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2017 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.

This Executive Order hereby supersedes Executive Order A-015-0748 dated July 11, 2016.

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

Executed at El Monte, California on this 27<sup>th</sup> day of January 2017.

*FOR*   
Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

**ATTACHMENT**

**EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS**

**EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)**

<b>FUEL TYPE</b>		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											
		<b>NMOG+NOx (g/mi)</b>		<b>CO (g/mi)</b>		<b>NOx (g/mi)</b>		<b>HCHO (mg/mi)</b>		<b>PM (g/mi)</b>			
		<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>		
FTP@50K	*	*	*	*	*	*	*	*	*	*	*		
FTP@UL	GASOLINE-LEV3 E10	0.046	0.200	0.3	4.2	*	*	*	6	*	0.06		
50°F @4K	GASOLINE-LEV3 E10	0.039	0.400	0.7	4.2	*	*	*	16				
<b>FUEL TYPE</b>		<b>NMOG+NOx (g/mi)</b>		<b>CO (g/mi)</b>		<b>CERT</b>		<b>STD</b>		<b>CERT</b>		<b>STD</b>	
		<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>
HWFET @ 50K		*		*		*		*					
HWFET @ UL		GASOLINE-LEV3 E10		0.026		0.200							
20°F @ 50K		*						*		*			

**SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS**

<b>FUEL TYPE</b>	<b>CERT</b>	<b>US06</b>			<b>SC03</b>		<b>COMPOSITE</b>			
		<b>NMOG+NOx (g/mi)</b>	<b>CO (g/mi)</b>	<b>PM (mg/mi)</b>	<b>NMOG+NOx (g/mi)</b>	<b>CO (g/mi)</b>	<b>NMOG+NOx (g/mi)</b>	<b>CO (g/mi)</b>	<b>PM (mg/mi)</b>	
@ 4K	*	CERT	*	*	*	*				
		STD	*	*	*	*				
@ UL	GASOLINE-LEV3 E10	CERT	*	*	*	*	0.051	8.4	*	
		STD	*	*	*	*	0.800	22.0	*	
		BIN					*			

**WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS**

<b>EVAPORATIVE FAMILY</b>	<b>FUEL TYPE</b>	<b>WHOLE VEHICLE EVAPORATIVE TESTING</b>						<b>RL (g/mi) @ UL</b>	
		<b>3DHS (g/test) @ UL</b>			<b>2DHS (g/test) @ UL</b>			<b>CERT</b>	<b>STD</b>
		<b>CERT</b>	<b>STD</b>	<b>FEL</b>	<b>CERT</b>	<b>STD</b>	<b>FEL</b>	<b>CERT</b>	<b>STD</b>
HNSXF0174PBB	GASOLINE - CA PHASE 2	0.49	1.00	*	0.63	1.25	*	0.003	0.05

**ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS**

<b>EVAPORATIVE FAMILY</b>	<b>ORVR (g/gallon) @ UL</b>			<b>FUEL ONLY EVAP &amp; CANISTER BLEED</b>					
				<b>FUEL TYPE</b>		<b>3DHS RIG TEST (g/test) @ UL</b>		<b>2DHS RIG TEST (g/test) @ UL</b>	
	<b>FUEL TYPE</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>	<b>CERT</b>	<b>STD</b>
HNSXF0174PBB	GASOLINE - TIER 2 UNLEADED	0.04	0.20	*	*	*	*	*	*

\*: 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; 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; 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

### 2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
NISSAN	NV2500 CARGO VAN	MDV4	5.6	SA7	HNSXF0174PBB	1	\$	*
NISSAN	NV3500 CARGO VAN	MDV4	5.6	SA7	HNSXF0174PBB	1	\$	*
NISSAN	NV3500 PASSENGER VAN	MDV4	5.6	SA7	HNSXF0174PBB	1	\$	*
NISSAN	TITAN XD 2WD	MDV4	5.6	SA7	HNSXF0174PBB	1	\$	*
NISSAN	TITAN XD 4WD	MDV4	5.6	SA7	HNSXF0174PBB	1	\$	*