California Environmental Protection Agency

NISSAN MOTOR COMPANY, LTD.

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515-39516 and Executive Order G-02-003;

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.

MODEL YEAR TEST GROUP		P	VEHICLE TYPE (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=icaded vehicle weight; GVW=gross VW)			STAND (LEV=tow e transitions	UST EMISSION ARD CATEGORY mission vehicle; TLEV= LEV; ULEV=ultra LEV; EV=super ULEV)	EXHAUST & ORVR / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=tiquefied petroleum gas)						
201	1 B	BNSXT04.0G6A		A	- 5	.DT: ≤ 6000 pounds GVW ; 37 750 pounds LVW and LDT>6 pounds GVW; 3751-6750 pour ALVW	5000 i		Uitra Low Emission He (LEV II ULEV)	120K / 150K	Gasoline				
No.		PORATIVE			o.	SPECIAL FEATU EMISSION CONTROL S			OC/TWC=oxidizing/3-way cat. ADSTWC=adsorbing TWC WU= warm-up cat. 025/H02S=oxygen sensor/heated 025 AFS/HAFS=air-fuel ratio sensor/heated AFS EGR=exhaust						
1	BNSXF	R0132	2PBA	A	1	2ŤWC(2), 2A	FS,2HO	2 <b>S,</b> SFI, OBI	D(F)	AFS/HAFS=air-fuel ratio sensor/heated AFS EGR=exhaust - agas recirculation AIR/PAIR=secondary air injection/pulsed					
*		*	•				•		AIR MFI/SFI= multiport fuel injection/sequential MFI						
*		•			•		*	AIR MFI/SFI= multiport fuel injection/sequential MFI TBI= throttie body injection TC/SC=turbo /super charger CAC=charge air cooler OBD (F) / (P=fuil /partial on-board diagnostic prefix 2=paralle) (2) suffix=series							
*		*			•		•								
EVAI No.	F EC		ENGIN SIZE (			VEHICLE MAKES & MODELS									
1	1	0.	4.0					DARDS AR	4WD PRO-4X (GVW \$6000)						
1	- 1 1		4.0					ER 2WD S (GVW \$8000)							
1	1		4.0					4WD OR (GVW \$6000)							
1	1		4.0			SUZU	KI: EQU	port(Long) (GVW ≤6000)							
1	1	in t	4.0					TOR 4WD RMZ-4 (GVW \$6000)							
1	1		4.0		NISSAN: FRONTIER 2WD S /4WD S. FRONTIER 2WD SL (Long)/ 4WD					SL(Long), FRONTIER 2WD SL/ 4WD SL (GVW \$6000)					
1	1		4.0		NISSAN:FRONTIER 2WD SV (Long /4WD SV(Long), FRONTIER 2WD SV/4WD SV (GVW <6000)										
1	1	1	4.0		NISSAN: XTERRA 2WD X (GVW 56000)										
1	1		4.0		NISSAN: PATHFINDER 2WD SV Silver, PATHFINDER 2WD SV (GVW 56000)										
1	1	1	4.0		NISSAN:PATHFINDER 4WD LE. PATHFINDER 4WD S. PATHFINDER 4WD SV SIIver. PATHFINDER 4WD SV (GVW>6000)						ER 4WD SV (GVW>6000)				
1	1		4.0		NISSAN:PATHFINDER FE+ 2WD S(GVW ≤8000)										

The exhaust and evaporative emission standards (STD), as requested by the manufacturer, and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) may have been met based on the manufacturer's submitted compliance plan in lieu of testing). Any debit in the manufacturer's "NMOG Fleet Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. (For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

NMOG FLEET NMOG @ RAF= * AVERAGE [g/mi] CH4 RAF = *			NMOG or	CH4=methane NMOG=non-CH4 organic gas NMHC=non-CH4 hydrocarbon CO=carbon monoxide NOx=oxides of nitrogen HCH0=formaldehyde PM=particulats matter RAF=reactivity adjustment factor 2/3 D [g/test]=2/3 day diumal+hot-soak RL [g/mi]=running loss ORVR [g/gation dispensed]=on-board refueling vapor recovery g=gram													
CER	T	STD	NM		NMHC	NMHC STD	mgemillig	ram mis	mile K=1	000 miles	F=deg	rees Fah	renheit 📑	SFTP#suppl	emental fe	deral test p	rocedure
0.052 0.043		CERT		CERT	[g/m]]		[g/mi]		NOx [g/ml]		HCHO [mg/ml]		PM (g/				
0.00/	•   •		[g/n	<b>ni</b> ] į	[g/mi]	La	CERT	STD	CER	r ste	) CE	RT	STD	CERT	STD	CERT	STD
1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		@ 50K	0.0	22	*	0.040	0.4	1.7	0.01	0.0	5 1		8.	•	*	0.01	0.07
		@ UL	0.0	25	*	0.055	0.4	2.1	0.01	0.07	7	•	11.	•	0.01	0.01	0.09
	@ 50°	'F & 4K	0.0	71	•	0.080	0.9	1.7	0.01	0.0	5	•	16.	*	*	*	*
CO [ @ 20	g/mi] •F &	SFTP 1	= @ 4K (V) or 5	(SULE	V, ULEV, r 1, TLEV)	NMHC+NC (comp			g/mij posite)		;+NOx [U\$06]		0 [g/ml] US06] .		C+NOx ] [SC03]		[g/ml] C03]
50					, TLEV)	CERT	STD	CERT	STD	CERT	STD	CER	T STD	CERT	STD	CERT	ŞTD
CERT	8.2		N	SF	TP @ 4K	*	•	•	*	0.01	0.25	4.9	10.5	0.01	0.27	0.4	3.5
STD	12.5			SF	TP 🕲 UL	*	*	•	*	*	*	*	•	*	*	*	*
	EVAPORATIVE FAMILY 1			LY 1	EVAPORATIVE FAMILY 2				EVAPORATIVE FAMILY 3				EV	EVAPORATIVE FAMILY 4			
@ UL	3-D	2-D	,	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL.	ORVR	3-D	2-D	RL	ORVR
CERT	0.40	0.44	4 (	).001	0.05	*	*	*	•	*	*	*	*	*	*	*	
STD	0.65	0.84	5	0.05	0.20	*	*	•	*	*	*	*	*	•	•	*	*

Californ	in Environmental Protection.	Agency
AIR	RESOURCES	BOARD

NISSAN MOTOR COMPANY, LTD.

**BE IT FURTHER RESOLVED:** That 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 Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

**BE IT FURTHER RESOLVED**: The test group listed in this Executive Order is certified conditionally on the manufacturer providing test data to determine the greenhouse gas (GHG) emissions for the listed test group, expressed in grams per mile of carbon dioxide-equivalent (g/mi CO2-e), as required in section E.2.5.2 of the California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles, as amended August 4, 2005 (the Test Procedures). Manufacturer shall provide the required data within 45 days after the date of the Executive Order unless (a) an extension is granted by the Executive Officer, or (b) the manufacturer demonstrates to the satisfaction of the Executive Officer that it is exempt from determining GHG emissions for the listed test group under section E.2.5.3 (Intermediate Volume Manufacturers) or E.2.5.4 (Small Volume Manufacturers) of the Test Procedures. Failure to comply with the certification requirement to determine the GHG emissions for the listed test group may be cause for the Executive Officer to revoke the Executive Order. Vehicles in the revoked Executive Order shall be deemed uncertified and subject to penalties authorized under California law. Notwithstanding the requirement therein, the manufacturer is not required to determine GHG emissions for any medium-duty vehicles in the listed test group that are not medium-duty passenger vehicles.

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.

This Executive Order hereby supercedes Executive Order A-015-0568-1 dated August 19, 2010

Executed at El Monte, California on this \_\_\_\_\_ day of September 2010.

Annette Hebert, Chief Mobile Source Operations Division