Revision List

Revision Date	Revision Page (*; New page)	Description of Revision
12/15/11	SEC16(1)-04-22	EVAP. Control System Absolute Pressure Sensor monitor for P1451 is added.
	(for CAL) SEC17(4)	Due to R/C No.CV16GDA-02 [Letter Submission Date; 09/27/11, Production Implementation Date; 10/03/11]

Application For Certification
Part1
Individual application for 2012 Model Year

Durability Group	: CNSXGPGNNABA
Evaporative / Refueling Family	: CNSXR0090PBB
Test Group	: CNSXV01.6GDA
Durability Group Description	: Four Stroke, Otto Cycle, Gasoline Fueled, DFI
	Three Way Catalyst
Test Group Description	: 1.6 Liter L4
	LDV (Fed) / PC (Cal)
Applicable Standard	: Tier2 Bin5 (Fed) / LEV-II ULEV (Cal)
Vehicles Covered	: NISSAN JUKE (50 States)
Vehicles Run	: KHE480 - 00 (FTP TN: CNSX91001048)
	: KHE480 - 00 (HWFE TN: CNSX91001046)
	: KHE480 - 00 (Cold CO TN: CNSX10014969)
	: KHE480 - 00 (US06 TN: CNSX91001047)
	: KHE480 - 00 (SC03 TN: CNSX10014970)
	: KHE480 - 00 (50 F TN: CNSX10014968)
	: KHB248 - 00 (Evap 3day TN: BNSX10009960)
	: KHB248 - 00 (Evap 2day TN: BNSX91000662)
	: KHB248 - 01 (ORVR TN: BNSX10009958)
	: KHB248 - 00 (Running Loss TN: BNSX10009963)
Issue Date	: July 27, 2011
Response Requested By	: September 7, 2011
For Questions, Contact	: Yukiyo Yamada Telephone No. 248-488-4654

NISSAN MOTOR CO., LTD

Revision on this page :

Part1
TABLE OF CONTENTS

Section	Title	Application	
		General	Individual
1	Correspondence and Communications	X	
2	Durability Group Description	X	
3	Evaporative/Refueling Family	X	
4	Durability Procedure Description	X	
5	Test Group Description		X
6	Test Vehicle Description		X
7	Test Results		X
8	Emission Testing Waiver Statement and Other Statement	X	
9	OBD System Description	X	X
10	Description of Alternate-fueled Vehicles		X
11	AECD Description		
	(1) Parameter and Device	X	
	(2) General Relation between Sensed Parameters and Controlled Parameters		X
12	Description of Vehicles Covered by Certificate and Test Parameters		
	(1) Starting	X	
	(2) Shift Schedules	X	
	(3) List of Certified Vehicles		X
	(4) Test Parameter		X
13	Projected Sales	X	
14	Request for Certification		X
15	Other Information		
	(1) Fee Filing Form		X
16	Confidential Information		
	(1) OBD System Description (related to Sec 9 in Part 1)	X	X
	(2) Catalyst Information (related to Sec 2 in Part 1)	X	
	(3) Durability Procedures (related to Sec 4 in Part 1)	X	
	(4) Projected Sales (related to Sec 13 in Part 1) and Applicable Standard	X	
	(5) Phase-in Plan (related to Sec 13 in Part 1)	X	
	(6) Catalyst Code Identification (related to Sec 3 in Part 2)	X	
	(7) Projected Fleet Average NMOG Calculation (Cal)	X	
	(8) Projected Fleet Average NOx Calculation (Fed)	X	
	(9) Description of Alternate-fueled Vehicles		X
	(10) AECD Description		X
17	California ARB Information		
	(1) Supplemental Data Sheet and Certification Review Sheet		X
	(2) Vehicle Information (related to Sec 6 in Part 1)		X
	(3) Summary Information (related to Sec 4, 5, 7 in Part 1)		X
	(4) Fill Pipe Specification		X
	(5) ZEV credit Information	This Model is not applied.	

5. Test Group Description

Test Group Name	Engine Disp. (L)	Arrangement and No. of Cylinder	Vehicle Class	Emission St'd Class	Applicable Emission St'd
CNSXV01.6GDA	1.6	In Line / 4	LDV (Fed) / PC (Cal)	Tier2 Bin5 (Fed) / LEV-II ULEV (Cal)	Refer to SEC6

Emission Compliance Statement

Based on Nissan’s good engineering judgement, all the vehicles described in this application for Certification comply with all applicable intermediate and full useful life standards.

6. Test Vehicle Description

Applicable Emission STD. for Tier2 Bin5 (LDV)

FTP/HWY

Mileage	NMOG (gpm)	CO (gpm)	NOx (gpm)	HCHO (gpm)	20 deg F CO (gpm)	HWY NOx (gpm)	I/M HC (Idle/2500) (ppm)	I/M CO (Idle/2500) (%)
4K	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	100/100	0.5/0.5
50K	0.075	3.4	0.05	0.015	10.0	0.07	N.A.	N.A.
120K	0.090	4.2	0.07	0.018	N.A.	0.09	N.A.	N.A.

Cold NMHC*

Mileage	FEL(gpm)
120K	0.3

SFTP

Mileage	US06 NMHC+NOx (gpm)	US06 CO (gpm)	SC03 NMHC+NOx (gpm)	SC03 CO (gpm)	COMP NMHC+NOx (gpm)
4K	0.14	8.0	0.20	2.7	N.A.
120K	N.A.	11.1	N.A.	3.7	0.65

EVAP

Mileage	3day D+HS (g/test)	R/L (gpm)	2day D+HS (g/test)	ORVR (g/gal)
120K	0.50	0.05	0.65	0.20

Applicable Emission STD. for LEV-II ULEV (PC)

FTP/HWY

Mileage	NMOG (gpm)	CO (gpm)	NOx (gpm)	HCHO (gpm)	20 deg F CO (gpm)	HWY NOx (gpm)	I/M HC (Idle/2500) (ppm)	I/M CO (Idle/2500) (%)
4K	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	100/130	1.0/1.0
50K	0.040	1.7	0.05	0.008	10.0	0.07	N.A.	N.A.
120K	0.055	2.1	0.07	0.011	N.A.	0.09	N.A.	N.A.

Cold NMHC*

Mileage	FEL(gpm)
120K	0.3

50 deg F

Mileage	NMOG (gpm)	CO (gpm)	NOx (gpm)	HCHO (gpm)
4K	0.080	1.7	0.05	0.016

EVAP

Mileage	3day D+HS (g/test)	R/L (gpm)	2day D+HS (g/test)	ORVR (g/gal)
120K	N.A.	N.A.	N.A.	0.20
150K	0.50	0.05	0.65	N.A.

SFTP

Mileage	US06 NMHC+NOx (gpm)	US06 CO (gpm)	SC03 NMHC+NOx (gpm)	SC03 CO (gpm)
4K	0.14	8.0	0.20	2.7

*For applicable model for Cold NMHC, refer to SEC16(4) of Part1 General application.

For other informations, refer to the Vehicle Information (VI) submitted to VERIFY for the complete vehicle description

7. Test Results

Test Number	Mode	Sales Area	Official Test (marked by X)	Certification Level
CNSX91001048	CA Fuel 2 Day Exh	50 states	X	Refer to the Certification Summary Information Report
CNSX91001046	HWFE	50 states	X	
CNSX10014969	Cold Co	50 states	X	
CNSX91001047	US06	50 states	X	
CNSX10014970	SC03	50 states	X	
CNSX10014968	50 F	50 states	X	
BNSX10009960	CA Fuel 3 Day Evap.	50 states	X	
BNSX91000662	CA Fuel 2 Day Evap.	50 states	X	
BNSX10009958	Fed Fuel Refuel (ORVR)	50 states	X	
BNSX10009963	CA Fuel Running Loss	50 states	X	

Certification Summary Information Report

Manufacturer	Nissan Motor Co., Ltd.	**Manufacturer Code**	NSX
Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB
Certificate Number	N/A	**CARB Executive Order #**	N/A
Certificate Issue Date	N/A	**Certificate Revision Date**	N/A
Certificate Effective Date	N/A	**Conditional Certificate**	--
CSI Revision #	N/A	**CSI Submission/Revision Date**	07/31/2011
Model Year	2012		

Test Group Information

CSI Type	Update for Correction	**Running Change Reference Number**	N/A
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Combustion Engine

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Gasoline	Multipoint/sequential fuel injection	N

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Rechargeable Energy Storage System Indicator**	--
Multiple Fuel Combustion	--	**Off-board Charge Capable Indicator**	--
Fuel Cell Indicator	--	**EPA Vehicle Class**	LDV
Federal Clean Fuel Vehicle	No	**Federal Clean Fuel Vehicle Standard**	--
Federal Clean Fuel Vehicle ILEV	No	**California Partial Zero Emissions Vehicle Indicator**	No
Durability Group Name	CNSXGPGNNABA	**Durability Group Equivalency Factor**	1.8
Reduced Fee Test Group	No	**Certification Region Code(s)**	FA, CA
Introduction into Commerce Date	--	**CAP2000 Conditional Certificate?**	N/A
Independent Commercial Importer?	--	**Alternative Fuel Converter Certificate?**	--
SFTP Compliance Indicator	Yes	**SFTP Composite CO Option**	--
OBD Compliance Type	CARB	**OBD Demonstration Vehicle Test Group**	CNSXV01.6GD4
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Evaporative/Refueling Family Information

Evaporative Summary Information Type	New	**Submission/Correction Date**	06/10/2011
Integrated ORVR?	Yes	**Fuel(s)**	Gasoline
Multiple Fuel Storage	--		
Bladder Fuel Tank?	No		
Fuel Tank Material	Plastic	**Fuel Tank Material Description**	Plastic
Fill Pipe Seal Type	Liquid seal		
Air Intake System Vapor Storage Device?	No	**Air Intake System Vapor Storage Device Description**	N/A
Fuel System Vapor Storage Canister?	Yes	**Other Vapor Storage**	N/A
Fuel System Vapor Storage Canister(s) Total Working Capacity (grams)	90	**Number of Primary Canisters**	1
Number of Bleed Canisters	0	**Bleed Canister Total Working Capacity (grams)**	N/A
Mfr Evaporative/Refueling Family Comments	--		

Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Nissan Motor Co., Ltd.	1 - NISSAN	23 - JUKE	California + CAA Section 177 states	2-Wheel Drive, Front	Manual	6	No
Nissan Motor Co., Ltd.	1 - NISSAN	23 - JUKE	Federal	2-Wheel Drive, Front	Manual	6	No
Nissan Motor Co., Ltd.	1 - NISSAN	23 - JUKE	Federal	2-Wheel Drive, Front	Selectable Continuously Variable (e.g. CVT with paddles)	6	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	23 - JUKE	California + CAA Section 177 states	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	6	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	23 - JUKE	California + CAA Section 177 states	2-Wheel Drive, Front	Selectable Continuously Variable (e.g. CVT with paddles)	6	Yes
Nissan Motor Co., Ltd.	1 - NISSAN	23 - JUKE	Federal	All Wheel Drive	Selectable Continuously Variable (e.g. CVT with paddles)	6	Yes

Engine Description

Hybrid Type	--	**Hybrid Description**	--
Engine Type	4-Stroke Spark Ignition	**Mfr Engine Description**	--
Engine Block Arrangement	Inline	**Mfr Engine Block Arrangement Description**	--
Camless Valvetrain Indicator	No	**Oil Viscosity/Classification**	5W-30
Number of Cylinders/Rotors	4		

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

After Treatment Device(s) (ATD)

ATD Number	ATD Type	ATD Precious Metal	Substrate Material	Substrate Construction
1	Three-way catalyst	Paladium + Rhodium	Ceramic	Monolith
2	Three-way catalyst	Paladium + Rhodium	Ceramic	Monolith

Mfr After Treatment Device (ATD) Comments	--
Direct Ozone Reduction (DOR) Device	Not Equipped
Mfr Emission Control Device Comments	--

Engine Configuration Number 1

Engine Displacement (liters)	1.6	**Engine Rated Horsepower**	188
Number of Inlet Valves Per Cylinder	2	**Number of Exhaust Valves Per Cylinder**	2
Air Aspiration Method	Turbocharged	**Number of Air Aspiration Devices**	1
Air Aspiration Device Configuration	Single	**Charge Air Cooler Type**	Air
Cylinder Deactivation Description	N/A		
Variable Valve Timing System Description	ECM controlled,oil pressure driven	**Variable Valve Lift System**	N/A
Number of Knock Sensors	1		
Air/Fuel Sensor # 1 Type	Heated oxygen	**Air/Fuel Sensor # 1 Description**	N/A
Air/Fuel Sensor # 2 Type	Air fuel	**Air/Fuel Sensor # 2 Description**	N/A
Mfr Air/Fuel Sensor Comments	--		
Exhaust Gas Recirculation		**EGR Type**	--
Cooled Exhaust Gas Recirculation	--		
Closed Loop Air Injection System	--	**Air Injection Type**	--
Mfr Engine Configuration Comments	--		

Official Test Numbers

Test Group Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold
Gasoline	CNSX91001048	CNSX91001047	CNSX10014970	CNSX10014969	CNSX91001046	22.4	21.5	25.1	25.0

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Emission Data Vehicle Information

Vehicle ID / Configuration KHB248 / 0

Vehicle Model

Represented Test Vehicle Make	NISSAN	**Represented Test Vehicle Model**	NISSAN JUKE SV

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Combustion Engine	Gasoline

Hybrid Indicator	N		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	N	**Rechargeable Energy Storage System Indicator**	N
Rechargeable Energy Storage System	--	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	--		
Transmission Type	Continuously Variable	**# of Transmission Gears**	1
Engine Code	AM16DAC1	**Axle Ratio**	5.8
Displacement (liters)	1.6	**Rated Horsepower**	188
Equivalent Test Weight (pounds)	3500	**Air Aspiration Method**	Turbocharged
Drive Mode While Testing	2-Wheel Drive, Front	**SIL Usage**	Not eqipped
Aged Emission Components	4,000 (mi)		

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	43.41	-0.2097	0.02673	14.57	-0.0789	0.02371	--
Cold CO	48.23	-0.233	0.0297	13.33	-0.2604	0.02809	N/A
US06	43.41	-0.2097	0.02673	14.57	-0.0789	0.02371	N/A

Mfr Test Vehicle Comments --

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Test #	**BNSX10009960**	**Test Procedure**	**38 - CA fuel 3-day evap.**
Exhaust Test # for this Evap Test	BNSX10009953	**Test Fuel Type**	23 - CARB Phase II Gasoline
Test Date	05/18/2010	**Fuel**	Gasoline
Vehicle Class	N/A	**DF Type**	Mfr. Assigned
Verify Test Lab ID	Nissan Technical Center North America, Inc		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Total Hydrocarbon	0.218	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal LEV-II Evap	HC-TOTAL	0.218	0.000	0.22	0.50	Pass
CA	150,000 miles	California LEV-II Evap	HC-TOTAL	0.218	0.000	0.22	0.50	Pass

Test #	**BNSX91000662**	**Test Procedure**	**27 - California fuel 2-day evap**
Exhaust Test # for this Evap Test	BNSX91000656	**Test Fuel Type**	23 - CARB Phase II Gasoline
Test Date	07/29/2010	**Fuel**	Gasoline
Vehicle Class	N/A	**DF Type**	Mfr. Assigned
Verify Test Lab ID	--		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Total Hydrocarbon	0.2890019	--

Manufacturer Test Comments Hot_Soak_HC_(g) = 0.015649, Diurnal (gHC) = 0.273353

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal LEV-II Evap	HC-TOTAL	0.289	0.000	0.29	0.65	Pass
CA	150,000 miles	California LEV-II Evap	HC-TOTAL	0.289	0.000	0.29	0.65	Pass

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB
Test #	**BNSX10009963**	**Test Procedure**	**37 - California Fuel Running Loss**
Exhaust Test # for this Evap Test	BNSX10009953	**Test Fuel Type**	23 - CARB Phase II Gasoline
Test Date	05/18/2010	**Fuel**	Gasoline
Vehicle Class	N/A	**DF Type**	Mfr. Assigned
Verify Test Lab ID	Nissan Technical Center North America, Inc		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Hydrocarbon for Running Loss and ORVR	0.001	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal LEV-II Evap	HC	0.001	0.000	0.00	0.05	Pass
CA	150,000 miles	California LEV-II Evap	HC	0.001	0.000	0.00	0.05	Pass

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Emission Data Vehicle Information

Vehicle ID / Configuration KHB248 / 1

Vehicle Model

Represented Test Vehicle Make	NISSAN	**Represented Test Vehicle Model**	NISSAN JUKE SV

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Combustion Engine	Gasoline

Hybrid Indicator	N		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	N	**Rechargeable Energy Storage System Indicator**	N
Rechargeable Energy Storage System	--	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	--		
Transmission Type	Continuously Variable	**# of Transmission Gears**	1
Engine Code	AM16DAC1	**Axle Ratio**	5.8
Displacement (liters)	1.6	**Rated Horsepower**	188
Equivalent Test Weight (pounds)	3500	**Air Aspiration Method**	Turbocharged
Drive Mode While Testing	4-Wheel Drive	**SIL Usage**	Not eqipped
Aged Emission Components	4,000 (mi)		

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	43.41	-0.2097	0.02673	14.57	-0.0789	0.02371	--

Mfr Test Vehicle Comments --

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Test #	**BNSX10009958**	**Test Procedure**	**24 - Federal fuel refueling test (ORVR)**
Exhaust Test # for this Evap Test	BNSX10009951	**Test Fuel Type**	61 - Tier 2 Cert Gasoline
Test Date	05/13/2010	**Fuel**	Gasoline
Vehicle Class	N/A	**DF Type**	Mfr. Assigned
Verify Test Lab ID	NISSAN MOTOR CO., LTD.		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Hydrocarbon for Running Loss and ORVR	0.059	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	Add DF	Certification Level	Standard	Pass/Fail
Fed	120,000 miles	Federal LEV-II Evap	HC	0.059	0.000	0.06	0.20	Pass
CA	120,000 miles	California LEV-II Evap	HC	0.059	0.000	0.06	0.20	Pass

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Emission Data Vehicle Information

Vehicle ID / Configuration KHE480 / 0

Vehicle Model

Represented Test Vehicle Make	NISSAN	**Represented Test Vehicle Model**	NISSAN JUKE SV

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Combustion Engine	Gasoline

Hybrid Indicator	N		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	N	**Rechargeable Energy Storage System Indicator**	N
Rechargeable Energy Storage System	--	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	--		
Transmission Type	Continuously Variable	**# of Transmission Gears**	1
Engine Code	AM16DAC1	**Axle Ratio**	5.8
Displacement (liters)	1.6	**Rated Horsepower**	188
Equivalent Test Weight (pounds)	3500	**Air Aspiration Method**	Naturally Aspirated
Drive Mode While Testing	2-Wheel Drive, Front	**SIL Usage**	Not eqipped
Aged Emission Components	4,000 (mi)		

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	43.41	-0.2097	0.02673	14.86	-0.1683	0.02423	--
Cold CO	48.23	-0.233	0.0297	14.77	-0.2578	0.02782	N/A
US06	43.41	-0.2097	0.02673	14.86	-0.1683	0.02423	N/A

Mfr Test Vehicle Comments --

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Test #	**CNSX10014968**	**Test Procedure**	**51 - CA fuel 50 Deg(F) exhaust test**
Exhaust Test # for this Evap Test	N/A	**Test Fuel Type**	23 - CARB Phase II Gasoline
Test Date	04/12/2011	**Fuel**	Gasoline
Vehicle Class	LDV/Passenger Car	**DF Type**	Mfr. Assigned
Verify Test Lab ID	NISSAN MOTOR CO., LTD.		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Nitrogen Oxide	0.0179	--
Carbon Monoxide	0.4342	--
Total Hydrocarbon	0.0676	--
Non-methane organic gas (California)	0.0569	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
CA	4,000 miles	California LEV-II ULEV	CO	0.43	--	--	--	--	1	0.4	1.7	Pass
CA	4,000 miles	California LEV-II ULEV	NMOG	0.0569	1	1.04	--	--	1	0.057	0.080	Pass
CA	4,000 miles	California LEV-II ULEV	NOX	0.018	--	--	--	--	1	0.02	0.05	Pass

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Test #	**CNSX10014969**	**Test Procedure**	**11 - Cold CO**
Exhaust Test # for this Evap Test	N/A	**Test Fuel Type**	26 - Cold CO Regular (Tier 2)
Test Date	04/15/2011	**Fuel**	Gasoline
Vehicle Class	LDV/Passenger Car	**DF Type**	Mfr. Assigned
Verify Test Lab ID	NISSAN MOTOR CO., LTD.		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Bag 2 Fuel Economy	26.2	--
Bag 3 Fuel Economy	29.3	--
Non-methane Hydrocarbon	0.2047	--
Carbon dioxide	352	--
Manufacturer Fuel Economy	24.7	--
Carbon Monoxide	0.882	--
Total Hydrocarbon	0.2313	--
Bag 1 Fuel Economy	18.3	--

Manufacturer Test Comments EPA FE Calc Rel8

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 2 Bin 5	CO	0.88	--	--	--	0.02	1	0.9	10.0	Pass
Fed	120,000 miles	Federal Tier 2 Bin 5	HC-NM	0.20	--	--	--	0.0025	--	0.2	0.3	Pass
CA	50,000 miles	California LEV-II ULEV	CO	0.88	--	--	--	0.02	1	0.9	10.0	Pass
CA	120,000 miles	California LEV-II ULEV	HC-NM	0.20	--	--	--	0.0025	1	0.2	0.3	Pass

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Test #	**CNSX91001048**	**Test Procedure**	**25 - California fuel 2-day exhaust (w/can load)**
Exhaust Test # for this Evap Test	N/A	**Test Fuel Type**	23 - CARB Phase II Gasoline
Test Date	07/27/2011	**Fuel**	Gasoline
Vehicle Class	LDV/Passenger Car	**DF Type**	Mfr. Assigned
Verify Test Lab ID	--		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Total Hydrocarbon	0.0252009	--
Bag 1 Fuel Economy	25.4620181	--
Non-methane Hydrocarbon	0.0185174	--
Non-methane organic gas (California)	0.0192581	--
Bag 2 Fuel Economy	28.5998941	--
Nitrogen Oxide	0.0121902	--
CH4 - Methane	0.0070432	--
Carbon Monoxide	0.3426217	--
Manufacturer Fuel Economy	28.4552391	--
Bag 3 Fuel Economy	30.9092611	--
Carbon dioxide	305.9710217	--

Manufacturer Test Comments

TC (NMOG=1.04xNMHC)

Certification Summary Information Report

Test Group CNSXV01.6GDA **Evaporative/Refueling Family** CNSXR0090PBB

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 2 Bin 5	CO	0.34	--	--	--	0.02	1	0.4	3.4	Pass
Fed	50,000 miles	Federal Tier 2 Bin 5	NMOG	0.0193	1	1.04	--	0.0010	1	0.020	0.075	Pass
Fed	50,000 miles	Federal Tier 2 Bin 5	NOX	0.012	--	--	--	0.000	1	0.01	0.05	Pass
Fed	120,000 miles	Federal Tier 2 Bin 5	CO	0.34	--	--	--	0.05	1	0.4	4.2	Pass
Fed	120,000 miles	Federal Tier 2 Bin 5	HC-NM+NOX-COMP	0.025	--	--	--	--	--	0.02	0.65	Pass
Fed	120,000 miles	Federal Tier 2 Bin 5	NMOG	0.0193	1	1.04	--	0.0025	1	0.022	0.090	Pass
Fed	120,000 miles	Federal Tier 2 Bin 5	NOX	0.012	--	--	--	0.000	1	0.01	0.07	Pass
CA	50,000 miles	California LEV-II ULEV	CO	0.34	--	--	--	0.02	1	0.4	1.7	Pass
CA	50,000 miles	California LEV-II ULEV	NMOG	0.0193	1	1.04	--	0.0010	1	0.020	0.040	Pass
CA	50,000 miles	California LEV-II ULEV	NOX	0.012	--	--	--	0.000	1	0.01	0.05	Pass
CA	120,000 miles	California LEV-II ULEV	CO	0.34	--	--	--	0.05	1	0.4	2.1	Pass
CA	120,000 miles	California LEV-II ULEV	NMOG	0.0193	1	1.04	--	0.0025	1	0.022	0.055	Pass
CA	120,000 miles	California LEV-II ULEV	NOX	0.012	--	--	--	0.000	1	0.01	0.07	Pass

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Test #	**CNSX91001046**	**Test Procedure**	**3 - HWFE**
Exhaust Test # for this Evap Test	N/A	**Test Fuel Type**	23 - CARB Phase II Gasoline
Test Date	07/27/2011	**Fuel**	Gasoline
Vehicle Class	LDV/Passenger Car	**DF Type**	Mfr. Assigned
Verify Test Lab ID	--		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Manufacturer Fuel Economy	36.779483	--
CH4 - Methane	0.0071717	--
Total Hydrocarbon	0.0083792	--
Non-methane Hydrocarbon	0.0015737	--
Carbon dioxide	237.066489	--
Carbon Monoxide	0.0818366	--
Nitrogen Oxide	0.001297	--
Non-methane organic gas (California)	0.0016366	--

Manufacturer Test Comments TC (NMOG=1.04xNMHC)

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	50,000 miles	Federal Tier 2 Bin 5	NOX	0.001	--	--	--	0.000	1	0.00	0.07	Pass
Fed	120,000 miles	Federal Tier 2 Bin 5	NOX	0.001	--	--	--	0.000	1	0.00	0.09	Pass
CA	50,000 miles	California LEV-II ULEV	NOX	0.001	--	--	--	0.000	1	0.00	0.07	Pass
CA	120,000 miles	California LEV-II ULEV	NOX	0.001	--	--	--	0.000	1	0.00	0.09	Pass

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Test #	**CNSX91001047**	**Test Procedure**	**90 - US06**
Exhaust Test # for this Evap Test	N/A	**Test Fuel Type**	23 - CARB Phase II Gasoline
Test Date	07/27/2011	**Fuel**	Gasoline
Vehicle Class	LDV/Passenger Car	**DF Type**	Mfr. Assigned
Verify Test Lab ID	--		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Nitrogen Oxide	0.0123222	--
Total Hydrocarbon	0.0069607	--
Non-methane organic gas (California)	0.0026013	--
SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	0.0148235	--
Carbon Monoxide	0.6400651	--
Bag 2 Fuel Economy	26.8063513	--
Bag 1 Fuel Economy	17.5244881	--
Carbon dioxide	362.4865189	--
Non-methane Hydrocarbon	0.0025013	--
CH4 - Methane	0.0046994	--
Manufacturer Fuel Economy	24.0334815	--

Manufacturer Test Comments TC sml fan dwn inner-coolerTC (NMOG=1.04xNMHC)

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	4,000 miles	Federal Tier 2 Bin 5	CO	0.64	--	--	--	--	1	0.6	8.0	Pass
Fed	4,000 miles	Federal Tier 2 Bin 5	HC-NM+NOX	0.015	--	--	--	--	1	0.02	0.14	Pass
Fed	120,000 miles	Federal Tier 2 Bin 5	CO	0.64	--	--	--	0.05	1	0.7	11.1	Pass
CA	4,000 miles	California LEV-II ULEV	CO	0.64	--	--	--	--	1	0.6	8.0	Pass
CA	4,000 miles	California LEV-II ULEV	HC-NM+NOX	0.015	--	--	--	--	1	0.02	0.14	Pass

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Test #	**CNSX10014970**	**Test Procedure**	**95 - SC03**
Exhaust Test # for this Evap Test	N/A	**Test Fuel Type**	23 - CARB Phase II Gasoline
Test Date	04/19/2011	**Fuel**	Gasoline
Vehicle Class	LDV/Passenger Car	**DF Type**	Mfr. Assigned
Verify Test Lab ID	NISSAN MOTOR CO., LTD.		

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE MPG Equivalent Value
Non-methane Hydrocarbon	0.0016	--
Manufacturer Fuel Economy	24.2	24.2
Carbon dioxide	360	--
Nitrogen Oxide	0.0186	--
SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	0.0202	--
Total Hydrocarbon	0.0104	--
Carbon Monoxide	0.3901	--

Manufacturer Test Comments --

Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NMHC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	4,000 miles	Federal Tier 2 Bin 5	CO	0.39	--	--	--	--	1	0.4	2.7	Pass
Fed	4,000 miles	Federal Tier 2 Bin 5	HC-NM+NOX	0.020	--	--	--	--	1	0.02	0.20	Pass
Fed	120,000 miles	Federal Tier 2 Bin 5	CO	0.39	--	--	--	0.05	1	0.4	3.7	Pass
CA	4,000 miles	California LEV-II ULEV	CO	0.39	--	--	--	--	1	0.4	2.7	Pass
CA	4,000 miles	California LEV-II ULEV	HC-NM+NOX	0.020	--	--	--	--	1	0.02	0.20	Pass

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Consolidated List of Standards

Exhaust Standards

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	Federal Tier 2 Bin 5
Fuel	Gasoline	**Test Procedure**	California fuel 2-day exhaust (w/can load)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	1	0.02	3.4
50,000 miles	HCHO	--	--	--	--	--	1	--	0.015
50,000 miles	NMOG	--	1	1.04	--	--	1	0.0010	0.075
50,000 miles	NOX	--	--	--	--	--	1	0.000	0.05
50,000 miles	PM	--	--	--	--	--	1	--	0.01
120,000 miles	CO	--	--	--	--	--	1	0.05	4.2
120,000 miles	HC-NM+NOX-COMP	--	--	--	--	--	--	--	0.65
120,000 miles	HCHO	--	--	--	--	--	1	--	0.018
120,000 miles	NMOG	--	1	1.04	--	--	1	0.0025	0.090
120,000 miles	NOX	--	--	--	--	--	1	0.000	0.07
120,000 miles	PM	--	--	--	--	--	1	--	0.01

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	California LEV-II ULEV
Fuel	Gasoline	**Test Procedure**	Cold CO

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	1	0.02	10.0
120,000 miles	HC-NM	--	--	--	--	--	1	0.0025	0.3

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	California LEV-II ULEV
Fuel	Gasoline	**Test Procedure**	CA fuel 50 Deg(F) exhaust test

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	1	--	1.7
4,000 miles	HCHO	--	--	--	--	--	1	--	0.016
4,000 miles	NMOG	--	1	1.04	--	--	1	--	0.080
4,000 miles	NOX	--	--	--	--	--	1	--	0.05

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	California LEV-II ULEV
Fuel	Gasoline	**Test Procedure**	California fuel 2-day exhaust (w/can load)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	1	0.02	1.7
50,000 miles	HCHO	--	--	--	--	--	1	--	0.008
50,000 miles	NMOG	--	1	1.04	--	--	1	0.0010	0.040
50,000 miles	NOX	--	--	--	--	--	1	0.000	0.05
120,000 miles	CO	--	--	--	--	--	1	0.05	2.1
120,000 miles	HCHO	--	--	--	--	--	1	--	0.011
120,000 miles	NMOG	--	1	1.04	--	--	1	0.0025	0.055
120,000 miles	NOX	--	--	--	--	--	1	0.000	0.07

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	California LEV-II ULEV
Fuel	Gasoline	**Test Procedure**	HWFE

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	NOX	--	--	--	--	--	1	0.000	0.07
120,000 miles	NOX	--	--	--	--	--	1	0.000	0.09

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	Federal Tier 2 Bin 5
Fuel	Gasoline	**Test Procedure**	CST two speed idle test

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CO	--	--	--	--	--	1	--	0.5
120,000 miles	HC-TOTAL	--	--	--	--	--	1	--	100

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	Federal Tier 2 Bin 5
Fuel	Gasoline	**Test Procedure**	Cold CO

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	CO	--	--	--	--	--	1	0.02	10.0
120,000 miles	HC-NM	--	--	--	--	--	--	0.0025	0.3

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	California LEV-II ULEV
Fuel	Gasoline	**Test Procedure**	US06

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	1	--	8.0
4,000 miles	HC-NM+NOX	--	--	--	--	--	1	--	0.14

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	Federal Tier 2 Bin 5
Fuel	Gasoline	**Test Procedure**	SC03

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	1	--	2.7
4,000 miles	HC-NM+NOX	--	--	--	--	--	1	--	0.20
120,000 miles	CO	--	--	--	--	--	1	0.05	3.7

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	Federal Tier 2 Bin 5
Fuel	Gasoline	**Test Procedure**	HWFE

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
50,000 miles	NOX	--	--	--	--	--	1	0.000	0.07
120,000 miles	NOX	--	--	--	--	--	1	0.000	0.09

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	California LEV-II ULEV
Fuel	Gasoline	**Test Procedure**	SC03

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	1	--	2.7
4,000 miles	HC-NM+NOX	--	--	--	--	--	1	--	0.20

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDV/Passenger Car	**Standard Level**	Federal Tier 2 Bin 5
Fuel	Gasoline	**Test Procedure**	US06

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
4,000 miles	CO	--	--	--	--	--	1	--	8.0
4,000 miles	HC-NM+NOX	--	--	--	--	--	1	--	0.14
120,000 miles	CO	--	--	--	--	--	1	0.05	11.1

Evaporative/Refueling Standards

Evaporative/Refueling Family	CNSXR0090PBB	**Cert Region**	Federal
Cert/In-Use Code	Cert	**Standard Level**	Federal LEV-II Evap
Test Procedure	California Fuel Running Loss		

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	120,000 miles	HC	--	0.05	0.000

Certification Summary Information Report

Test Group	CNSXV01.6GDA	Evaporative/Refueling Family	CNSXR0090PBB

Evaporative/Refueling Family CNSXR0090PBB
Cert/In-Use Code Cert
Test Procedure California Fuel Running Loss
Cert Region California + CAA Section 177 states
Standard Level California LEV-II Evap

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC	--	0.05	0.000

Evaporative/Refueling Family CNSXR0090PBB
Cert/In-Use Code Cert
Test Procedure Federal fuel refueling test (ORVR)
Cert Region Federal
Standard Level Federal LEV-II Evap

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	120,000 miles	HC	--	0.20	0.000

Evaporative/Refueling Family CNSXR0090PBB
Cert/In-Use Code Cert
Test Procedure California fuel 2-day evap
Cert Region California + CAA Section 177 states
Standard Level California LEV-II Evap

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL	--	0.65	0.000

Evaporative/Refueling Family CNSXR0090PBB
Cert/In-Use Code Cert
Test Procedure California fuel 2-day evap
Cert Region Federal
Standard Level Federal LEV-II Evap

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	120,000 miles	HC-TOTAL	--	0.65	0.000

Evaporative/Refueling Family CNSXR0090PBB
Cert/In-Use Code Cert
Test Procedure Federal fuel refueling test (ORVR)
Cert Region California + CAA Section 177 states
Standard Level California LEV-II Evap

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	120,000 miles	HC	--	0.20	0.000

Evaporative/Refueling Family CNSXR0090PBB
Cert/In-Use Code Cert
Test Procedure CA fuel 3-day evap.
Cert Region Federal
Standard Level Federal LEV-II Evap

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	120,000 miles	HC-TOTAL	--	0.50	0.000

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB

Evaporative/Refueling Family	CNSXR0090PBB	**Cert Region**	California + CAA Section 177 states
Cert/In-Use Code	Cert	**Standard Level**	California LEV-II Evap
Test Procedure	CA fuel 3-day evap.		

Fuel	Useful Life	Emission Name	Rounded Result	Std	Add DF
Gasoline	150,000 miles	HC-TOTAL	--	0.50	0.000

Certification Summary Information Report

Test Group	CNSXV01.6GDA	Evaporative/Refueling Family	CNSXR0090PBB

Glossary

Useful Life			
4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		

Emission Name			
HC-TOTAL	Total Hydrocarbon	ETHANOL	C2H5OH - Ethanol
CO	Carbon Monoxide	FE BAG 1	Bag 1 Fuel Economy
CO2	Carbon dioxide	FE BAG 2	Bag 2 Fuel Economy
CREE	Carbon-Related Exhaust Emissions	FE BAG 3	Bag 3 Fuel Economy
OPT-CREE	Optional Carbon-Related Exhaust Emissions	FE BAG 4	Bag 4 Fuel Economy
NOX	Nitrogen Oxide	MFR FE	Manufacturer Fuel Economy
PM	Particulate Matter	HC	Hydrocarbon for Running Loss and ORVR
PM-COMP	SFTP Composite Particulate Matter	METHANE	CH4 - Methane
HC-NM	Non-methane Hydrocarbon	METHANOL	CH3OH - Methanol
OMHCE	Organic material Hydrocarbon Equivalent	N2O	Nitrous Oxide
OMNMHCE	Organic material non-methane HC equivalent	SPITBACK	Spitback Hydrocarbon in grams
NMOG	Non-methane organic gas (California)	AMP-HRS	Integrated Amp-hours
HCHO	Formaldehyde	START-SOC	System Start State of Charge Watt-hours
H3C2HO	Acetaldehyde	END-SOC	System End State of Charge Watt-hours
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	ACT-DISTANCE	Actual Distance Driven (miles)
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	AS-VOLT	Average System Voltage
CO-COMP	SFTP Composite Carbon Monoxide		

Certification Region			
CA	California + CAA Section 177 states	FA	Federal

Exhaust Emission Standard Level			
B1	Federal Tier 2 Bin 1	B11	Federal Tier 2 Bin 11
B2	Federal Tier 2 Bin 2	HDV1	Federal HDV (8500-10,000 GVWR)
B3	Federal Tier 2 Bin 3	HDV2	Federal HDV (10,001-14,000 GVWR)
B4	Federal Tier 2 Bin 4	L2	California LEV-II LEV
B5	Federal Tier 2 Bin 5	L2OP	California LEV-II LEV Optional
B6	Federal Tier 2 Bin 6	U2	California LEV-II ULEV
B7	Federal Tier 2 Bin 7	S2	California LEV-II SULEV
B8	Federal Tier 2 Bin 8	ZEV	California ZEV
B9	Federal Tier 2 Bin 9	OT	Other
B10	Federal Tier 2 Bin 10		

Transmission Type Code			
A	Automatic	OT	Other

Certification Summary Information Report

Test Group	CNSXV01.6GDA	**Evaporative/Refueling Family**	CNSXR0090PBB
AM	Automated Manual	SA	Semi-Automatic
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)
M	Manual		
Drive System Code			
4	4-Wheel Drive	P	Part-time 4-Wheel Drive
F	2-Wheel Drive, Front	A	All Wheel Drive
R	2-Wheel Drive, Rear		
Additional Terms and Acronyms			
AFC	Alternative Fuel Converter	ICI	Independent Commercial Importer
CSI	Certificate Summary Information	ORVR	Onboard Refueling Vapor Recovery
DF	Deterioration Factor	SIL	Shift Indicator Light
Evap	Evaporation, Evaporative	Trans	Transmission

9. OBD System Description

Refer to the confidential section

10. Description of Alternate-fueled Vehicles

Refer to the confidential section

11. AECD Description

(2) General Relation between Sensed Parameters and Controlled Parameters

Refer to the confidential section

12. Description of Vehicles Covered by Certificate and Test Parameter

(3) List of Certified Vehicles

Durability Group : CNSXGPGNNABA
Test Group : CNSXV01.6GDA

Evap. Family	Fuel	Carline	Axle	Trim Line	Trans./OD	ETW (lbs)	Engine Code	Emission Control System						Engine Displ . (L)	Valves cyl.		Sales Area	SIL	Fuel Tank Vol. (gal)	Other	Vehicle Category
								Cat	EGR	Air	Fuel sys	Aspiration	Other		Intake	Exhaust					
CNSXR0090PBB	Gasoline	JUKE	FWD	S	CVT / Yes	3250	AM16DAC1	TWC	N.A.	N.A.	DFI	TC	N.A.	1.6	2	2	50S	N.A.	13.2	N.A.	LDV (Fed) / PC (Cal)
			4WD	S	CVT / Yes	3500	AM16DAC1	TWC	N.A.	N.A.	DFI	TC	N.A.	1.6	2	2	50S	N.A.	11.9	N.A.	LDV (Fed) / PC (Cal)
			FWD	SL	CVT / Yes	3375	AM16DAC1	TWC	N.A.	N.A.	DFI	TC	N.A.	1.6	2	2	50S	N.A.	13.2	N.A.	LDV (Fed) / PC (Cal)
			4WD	SL	CVT / Yes	3500	AM16DAC1	TWC	N.A.	N.A.	DFI	TC	N.A.	1.6	2	2	50S	N.A.	11.9	N.A.	LDV (Fed) / PC (Cal)
			FWD	SL	M6 / 2	3250	AM16DAM1	TWC	N.A.	N.A.	DFI	TC	N.A.	1.6	2	2	50S	N.A.	13.2	N.A.	LDV (Fed) / PC (Cal)
			FWD	SV	CVT / Yes	3250	AM16DAC1	TWC	N.A.	N.A.	DFI	TC	N.A.	1.6	2	2	50S	N.A.	13.2	N.A.	LDV (Fed) / PC (Cal)
			4WD	SV	CVT / Yes	3500	AM16DAC1	TWC	N.A.	N.A.	DFI	TC	N.A.	1.6	2	2	50S	N.A.	11.9	N.A.	LDV (Fed) / PC (Cal)
			FWD	SV	M6 / 2	3250	AM16DAM1	TWC	N.A.	N.A.	DFI	TC	N.A.	1.6	2	2	50S	N.A.	13.2	N.A.	LDV (Fed) / PC (Cal)

12. Description of Vehicles Covered by Certificate and Test Parameter

(4) Test Parameter

Durability Group : CNSXGPGNNABA
Test Group : CNSXV01.6GDA

Carline	Axle	Trim Line	Trans.	ETW (lbs)	Tire Size	Tire Maker	Axle Ratio	N/V Ratio	TRLHP	Coastdown Time (sec.)	Single Roll Dyno Terms A	Single Roll Dyno Terms B	Single Roll Dyno Terms C	Shift Schedule ID City	Shift Schedule ID Hwy	FTTP	Cooling Fan Config	Special Test Proc
JUKE	FWD	S	CVT	3250	P215/55R17	GOOD YEAR	5.798	30.5	12.0	16.81	39.00	-0.4522	0.02935	FTA	HWA	Refer to the	*1	*2, *3
	4WD	S	CVT	3500	P215/55R17	GOOD YEAR	5.798	30.5	13.3	16.28	43.41	-0.2097	0.02673	FTA	HWA	SEC12(4)-2 / 3	*1	*2, *3
	FWD	SL	CVT	3375	P215/55R17	GOOD YEAR	5.798	30.5	12.0	17.41	39.21	-0.4513	0.02934	FTA	HWA		*1	*2, *3
	4WD	SL	CVT	3500	P215/55R17	GOOD YEAR	5.798	30.5	13.3	16.28	43.41	-0.2097	0.02673	FTA	HWA		*1	*2, *3
	FWD	SL	M6	3250	P215/55R17	GOOD YEAR	4.214	43.1	11.8	17.03	20.11	0.1731	0.02398	FT6	0019		*1	*3
	FWD	SV	CVT	3250	P215/55R17	GOOD YEAR	5.798	30.5	12.0	16.81	39.00	-0.4522	0.02935	FTA	HWA		*1	*2, *3
	4WD	SV	CVT	3500	P215/55R17	GOOD YEAR	5.798	30.5	13.3	16.28	43.41	-0.2097	0.02673	FTA	HWA		*1	*2, *3
	FWD	SV	M6	3250	P215/55R17	GOOD YEAR	4.214	43.1	11.8	17.03	20.11	0.1731	0.02398	FT6	0019		*1	*3

*1: One centered front fan, in up position.
*2: Exchange Automatic Transmission Control Module to deactivate ABS system.
*3: Addition of supplemental cooling to two test cycles for fuel Economy (US06 and Highway).

12. Description of Vehicles Covered by Certificate and Test Parameter

(4) Test Parameter

Durability Group : CNSXGPGNNABA
Test Group : CNSXV01.6GDA

Fuel Temperature Profile at the Running Loss Testing (for EPA)

Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)
0.0	95.0	13.0	100.9	26.0	107.8	39.0	114.8	52.0	121.6	65.0	126.3
0.5	95.2	13.5	101.3	26.5	108.1	39.5	115.2	52.5	122.0	65.5	126.7
1.0	95.5	14.0	101.7	27.0	108.5	40.0	115.5	53.0	122.2	66.0	126.7
1.5	95.7	14.5	101.7	27.5	108.5	40.5	115.7	53.5	122.4	66.5	126.9
2.0	95.9	15.0	102.0	28.0	108.7	41.0	116.1	54.0	122.7	67.0	127.0
2.5	96.3	15.5	102.2	28.5	109.0	41.5	116.4	54.5	122.9	67.5	127.2
3.0	96.4	16.0	102.6	29.0	109.4	42.0	116.4	55.0	122.9	68.0	127.2
3.5	96.6	16.5	102.7	29.5	109.8	42.5	116.6	55.5	123.3	68.5	127.4
4.0	96.6	17.0	103.1	30.0	109.8	43.0	117.0	56.0	123.3	69.0	127.6
4.5	97.0	17.5	103.3	30.5	110.1	43.5	117.3	56.5	123.6	69.5	127.9
5.0	97.2	18.0	103.6	31.0	110.5	44.0	117.7	57.0	123.6	70.0	128.1
5.5	97.3	18.5	104.0	31.5	110.7	44.5	117.9	57.5	124.0	70.5	128.1
6.0	97.5	19.0	104.0	32.0	110.8	45.0	118.2	58.0	124.2	71.0	128.3
6.5	97.9	19.5	104.4	32.5	111.2	45.5	118.4	58.5	124.3	71.5	128.5
7.0	97.9	20.0	104.5	33.0	111.4	46.0	118.8	59.0	124.5	72.0	128.7
7.5	98.2	20.5	104.9	33.5	111.7	46.5	119.1	59.5	124.7		
8.0	98.6	21.0	105.3	34.0	112.1	47.0	119.3	60.0	124.7		
8.5	98.6	21.5	105.4	34.5	112.5	47.5	119.7	60.5	125.1		
9.0	99.0	22.0	105.8	35.0	112.8	48.0	120.0	61.0	125.2		
9.5	99.3	22.5	106.0	35.5	113.0	48.5	120.2	61.5	125.4		
10.0	99.5	23.0	106.2	36.0	113.2	49.0	120.6	62.0	125.6		
10.5	99.9	23.5	106.5	36.5	113.5	49.5	120.6	62.5	125.6		
11.0	100.0	24.0	106.7	37.0	113.9	50.0	120.9	63.0	126.0		
11.5	100.0	24.5	106.9	37.5	114.1	50.5	121.1	63.5	126.0		
12.0	100.4	25.0	107.1	38.0	114.3	51.0	121.3	64.0	126.1		
12.5	100.6	25.5	107.4	38.5	114.6	51.5	121.5	64.5	126.1		

12. Description of Vehicles Covered by Certificate and Test Parameter

(4) Test Parameter

Durability Group : CNSXGPGNNABA
Test Group : CNSXV01.6GDA

Fuel Temperature Profile at the Running Loss Testing (for ARB)

Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)	Time (min.)	Temperature (degree F)
0.0	105.1	13.0	111.0	26.0	117.9	39.0	124.9	52.0	131.7	65.0	136.4
0.5	105.3	13.5	111.4	26.5	118.2	39.5	125.2	52.5	132.1	65.5	136.8
1.0	105.6	14.0	111.7	27.0	118.6	40.0	125.6	53.0	132.3	66.0	136.8
1.5	105.8	14.5	111.7	27.5	118.6	40.5	125.8	53.5	132.4	66.5	136.9
2.0	106.0	15.0	112.1	28.0	118.8	41.0	126.1	54.0	132.8	67.0	137.1
2.5	106.3	15.5	112.3	28.5	119.1	41.5	126.5	54.5	133.0	67.5	137.3
3.0	106.5	16.0	112.6	29.0	119.5	42.0	126.5	55.0	133.0	68.0	137.3
3.5	106.7	16.5	112.8	29.5	119.8	42.5	126.7	55.5	133.3	68.5	137.5
4.0	106.7	17.0	113.2	30.0	119.8	43.0	127.0	56.0	133.3	69.0	137.7
4.5	107.1	17.5	113.4	30.5	120.2	43.5	127.4	56.5	133.7	69.5	138.0
5.0	107.2	18.0	113.7	31.0	120.6	44.0	127.8	57.0	133.7	70.0	138.2
5.5	107.4	18.5	114.1	31.5	120.7	44.5	127.9	57.5	134.1	70.5	138.2
6.0	107.6	19.0	114.1	32.0	120.9	45.0	128.3	58.0	134.2	71.0	138.4
6.5	108.0	19.5	114.4	32.5	121.3	45.5	128.5	58.5	134.4	71.5	138.6
7.0	108.0	20.0	114.6	33.0	121.5	46.0	128.8	59.0	134.6	72.0	138.7
7.5	108.3	20.5	115.0	33.5	121.8	46.5	129.2	59.5	134.8		
8.0	108.7	21.0	115.3	34.0	122.2	47.0	129.4	60.0	134.8		
8.5	108.7	21.5	115.5	34.5	122.5	47.5	129.7	60.5	135.1		
9.0	109.0	22.0	115.9	35.0	122.9	48.0	130.1	61.0	135.3		
9.5	109.4	22.5	116.1	35.5	123.1	48.5	130.3	61.5	135.5		
10.0	109.6	23.0	116.2	36.0	123.3	49.0	130.6	62.0	135.7		
10.5	109.9	23.5	116.6	36.5	123.6	49.5	130.6	62.5	135.7		
11.0	110.1	24.0	116.8	37.0	124.0	50.0	131.0	63.0	136.0		
11.5	110.1	24.5	117.0	37.5	124.2	50.5	131.2	63.5	136.0		
12.0	110.5	25.0	117.1	38.0	124.3	51.0	131.4	64.0	136.2		
12.5	110.7	25.5	117.5	38.5	124.7	51.5	131.5	64.5	136.2		

14. Request for Certification

Request for Certificate to ARB

Test Group	: CNSXV01.6GDA
Exhaust emission control system number	: 1 of 1
Evaporative/Refueling Family	: CNSXR0090PBB
Carline	: JUKE

Nissan Motor Co., Ltd requests that ARB issue a 2012 model year certificate of conformity for the above specified test group and evaporative/refueling family combination more fully described in this application. This combination complies with the following applicable emission standard:

Federal	: X
California & 177 States	: X

This combination complies with all applicable regulations contained within 40 CFR Part86, the application is current as of this date.
The exhaust and evaporative/refueling emission test results support this request for certificate.

Kazuhiro Murata

Kazuhiro Murata
Manager
Global Government Affairs Dept.-
Environmental and Safety
Technologies

14. Request for Certification

Request for Certificate to EPA

Test Group	: CNSXV01.6GDA
Exhaust emission control system number	: 1 of 1
Evaporative/Refueling Family	: CNSXR0090PBB
Carline	: JUKE

Nissan Motor Co., Ltd requests that EPA issue a 2012 model year certificate of conformity for the above specified test group and evaporative/refueling family combination more fully described in this application. This combination complies with the following applicable emission standard:

Federal	: X
California & 177 States	: X

This combination complies with all applicable regulations contained within 40 CFR Part86, the application is current as of this date.
The exhaust and evaporative/refueling emission test results support this request for certificate.

Kazuhiro Murata

Kazuhiro Murata
Manager
Global Government Affairs Dept.-
Environmental and Safety
Technologies

15. Other Information

(1) Fee Filing Form

Refer to the attached Fee Filing Form

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
MOTOR VEHICLE AND ENGINE COMPLIANCE PROGRAM
ON-HIGHWAY FEE FILING FORM
FOR CERTIFICATION APPLICATIONS RECEIVED IN CALENDAR YEAR 2011

Manufacturer Name NISSAN MOTOR CO., LTD

Address 560-2, Okatsukoku

City/State/Zip Code/Country Atsugi - city / Kanagawa - pre. / 243-0192 / Japan

On-Highway Certification Request Type (check one)

- ☒ **LDV/LDT/MDPV/HDV (Chassis cert) FEDERAL ($33,974)**
- ☐ **LDV/LDT/MDPV/HDV (Chassis cert) CAL-ONLY ($17,255)**
- ☐ **HDE (Engine Dyno cert) FEDERAL ($34,452)**
- ☐ **HDV EVAP-ONLY ($511)**
- ☐ **HDE CALIF-ONLY ($511)**
- ☐ **MOTORCYCLE ($1,210)**
- ☐ **LD/MDPV/HDV ICI ($55,252)**

EPA standard engine family or test group or HDV Evaporative family name: C N S X V 0 1 . 6 G D A

Amount paid (U.S. Funds Only): $ 33,974.00

Enter the check number, or the statement "EFT/WIRE" or "EFT/ACH": EFT/WIRE

Reduced Fee Section (40 CFR §1027.120)

Reduced fee calculation (minimum initial payment $750): Total number of vehicles/engines covered: ___

Aggregate retail sales price of the vehicles/engines: $ _____ **x 1% = $** _____

Check box if an Independent Commercial Importer: ☐ **List the VIN of imported vehicles/engines below:**

Company Representative: Kazuhiro Murata Signature: Kazuhiro Murata

Title: Manager Phone/Fax: +81-46-270-1257 / +81-46-282-8830 Date: 2 / 9 / 2011

E-mail Address: k-murata@mail.nissan.co.jp

Submission of payments and forms:

(1) Online: **Forms** may be found and submitted with or without **payments** online at www.Pay.gov.

(2) Send **checks** and this **form** to:

Environmental Protection Agency
Motor Vehicle and Engine Compliance Program
P.O. Box 979032
St. Louis, MO 63197-9000

(3) Transmit offline EFT/Wire **payments** to the New York Federal Reserve Bank. (See Instructions, p.2)

(4) Transmit offline EFT/ACH **payments** to the Federal Reserve Bank of Cleveland. (Instructions, p.2)

(5) **Forms** not submitted under (1) and (2) above can be sent as email attachments to Fees@epa.gov. Forms and payments sent in ways other than the above may be delayed or ineffective. See the Instructions for sending checks and forms by private mail service (e.g., Federal Express).

The public reporting and recordkeeping burden for this collection of information is estimated to average 18 minutes per response. Send comments on EPA's need for this information, the accuracy of the provided burden estimate, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques, to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., N.W., Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed Form 3520-29 to this address.

17. California ARB Information

(1) Supplemental Data Sheet and Certification Review Sheet

E.O. # A-015-0580

Page 1

Manufacturer:	NISSAN MOTOR CO., LTD									
Exhaust Test Group:	CNSXV01.6GDA									
Evaporative/Refueling Family:	CNSXR0090PBB									
All Engine Codes in Test Group:	CA		EPA		50S	X	AB965			
ORVR:	YES	X	NO							
Exhaust Standard:	LEV-I LEV		LEV-I ULEV		LEV-I SULEV					
	LEV-II LEV		LEV-II ULEV	X	LEV-II SULEV					
Vehicle Class(es):	PC	X	LDT1		LDT2		MDV			
Single Cert Std for Multi-Class Test Group:	N/A	(specify: N/A, LDT1, MDV)								
Fuel Type(s):	Dedicated	X	Flex-Fuel		Dual Fuel		Bi-Fuel			
	Gasoline	X	Diesel		CNG		LNG			
	LPG		M85		Other(specify)					
Exhaust Emission Test Fuel(s):	Indo		CBG	X	CNG		LNG		LPG	
	M85		Other(specify)							
	Diesel: 13 CCR 2282				40 CFR 86.113-90					
	40 CFR 86.113-94									
Evaporative Emission Test Procedure:	California	X	Federal							
Service accum:	Std AMA		Mode AMA		Mfr ADP	X	Other (specify)			
NMOG Test Procedure:	N/A		Std	X	Equiv					
R/L Test Proc:	SHED		Pt source	X						
Engine Configuration:	In Line4									
Displacement:	1.6	Liters	98.7	Cubic Inches						
Valve per Cylinder:	4									
Rated HP:	188	HP @	5600	RPM						
Engine:	Front	X	Mid		Rear					
Drive:	FWD	X	RWD		4WD-FT	X	4WD-PT			
Exhaust ECS(eg., EGR, MFI, TC, CAC):	TWC(2)/AFS/HO2S/DFI/CAC/TC	(Use abbreviations per SAE J1930 JUN93)								

17. California ARB Information

(1) Supplemental Data Sheet and Certification Review Sheet (continued)

E.O. # A-015-0580

Page 2

Manufacturer: NISSAN MOTOR CO., LTD.

Exhaust Test group: CNSXV01.6GDA

Evaporative/Refueling Family: CNSXR0090PBB

Engine Code (Also list CA/FED/50S)	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	ETW or Test Wt (lbs)	TRLHP	Ignition (ECM/PCM) Part No.*	EGR System Part No.*	Catalytic Converter Part No.*		
							Pre	Mani	Under Floor
AM16DAC1 (50S)	JUKE S	CVT	3250	12.0	DEA010-440 (with ASCD), DEA010-430 (with ASCD + ICON)	N.A.	N.A.	1TV	1TW
			3500	13.3	DEA010-460 (with ASCD), DEA010-450 (with ASCD + ICON)			1TX	1TY
	JUKE SL		3375	12.0	DEA010-440 (with ASCD), DEA010-430 (with ASCD + ICON)			1TV	1TW
			3500	13.3	DEA010-460 (with ASCD), DEA010-450 (with ASCD + ICON)			1TX	1TY
	JUKE SV		3250	12.0	DEA010-440 (with ASCD), DEA010-430 (with ASCD + ICON)			1TV	1TW
			3500	13.3	DEA010-460 (with ASCD), DEA010-450 (with ASCD + ICON)			1TX	1TY
AM16DAM1 (50S)	JUKE SL	M6	3250	11.8	DEA010-420 (with ASCD), DEA010-410 (with ASCD + ICON)			1TV	1TW
	JUKE SV								

*Initial part numbers only, for update refer to Part2 of application.

17. California ARB Information

(1) Supplemental Data Sheet and Certification Review Sheet (continued)

E.O. # A-015-0580

Page 3

Manufacturer: NISSAN MOTOR CO., LTD.

Exh. Test group: CNSXV01.6GDA

Evap./Refueling Family: CNSXR0090PBB

Emission Data Veh. ID (3)	Engine Code & Despl.	Test Loc	Trans.	ETW (lbs)	TRLHP (HP)	Dynamo Coeff. A,B,C (lbs)	MPG City/Hwy	PROJECTED EMISSIONS (g/mi except g/test for D-HS) (1), (2) NMOG (NMHCx1.04)	CO	NOx	HCHO*	20F CO	PM	Hwy NOx	City CO2	Hwy CO2	SFTP SC03 NMHC +NOx	SC03 CO	SC03 CO2	US06 NMHC +NOx	US06 CO	US06 CO2	EVAPORATIVE 3-day D+HS	R/L	2-day D+HS	ORVR	
KHE480	AM16DAC1	EPA	AV	3500	13.3	43.41, -0.2097, 0.02673	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.6	362	-	-	-	-	(4K)
Config.00	(98.7CID)						-	0.020	0.4	0.01	-	-	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	(50K)
(Phase2)							28.5/36.8	0.022	0.4	0.01	-	-	-	0.00	306	237	-	-	-	-	-	-	-	-	-	-	(120K)
KHE480	AM16DAC1	Mfr	AV	3500	13.3	43.41, -0.2097, 0.02673	-	-	-	-	-	-	-	-	-	-	0.02	0.4	360	-	-	-	-	-	-	-	(4K)
Config.00	(98.7CID)						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(50K)
(Phase2)							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(120K)
KHE480 Config.00 (Cold CO)	AM16DAC1 (98.7CID)	Mf'r	AV	3500	14.8	48.23,-0.2330, 0.02970	-	-	-	-	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(50K)
KHB248 Config.00 (Phase2)	AM16DAC1 (98.7CID)	Mf'r	AV	3500	13.3	43.41, -0.2097, 0.02673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	0.00	-	-	(50K)
KHB248 Config.00 (Phase2)	AM16DAC1 (98.7CID)	EPA	AV	3500	13.3	43.41, -0.2097, 0.02673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	-	(50K)
KHB248 Config.01 (Indolene)	AM16DAC1 (98.7CID)	Mf'r	AV	3500	13.3	43.41, -0.2097, 0.02673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	(120K)

* Nissan states that this vehicle complies with formaldehyde emission standards.

		NMOG	CO	NOx	HCHO*	CO	PM	NOx	CO2	CO2	+NOx	CO	CO2	+NOx	CO	CO2	D+HS	R/L	D+HS	ORVR
(1) The Emission Data Vehicle(s) above comply with standards of	(@ 4K) :	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.20	2.7	N.A.	0.14	8.0	N.A.	N.A.	N.A.	N.A.	N.A.
	(@ 50K) :	0.040	1.7	0.05	0.008	10.0	N.A.	0.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	(Exhaust Emission and ORVR ; @120K / Evap.Emission ; @150K):	0.055	2.1	0.07	0.011	N.A.	N.A.	0.09	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.50	0.05	0.65	0.20

The NMOG values include Reactivity Adjustment Factor(s) (RAF) of : Not Applicable - NMOG 1.00 Methane(CNG or LNG only) -

Emission values include deterioration factors (DFs) of

	(@50K) :	0.0010	0.02	0.000	-	0.02	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-
	(Exhaust Emission and ORVR ; @120K / Evap.Emission ; @150K):	0.0025	0.05	0.000	-	-	-	0.000	-	-	-	-	-	-	-	-	0.000	0.000	0.000	0.000
LEV/ULEV/SULEV 50F emissions(without DFs)	:	0.057	0.4	0.02	-															
LEV/ULEV/SULEV 50F standards	:	0.080	1.7	0.05	0.016															

(2) Evaporative DFs are the average of: 3-day D+HS Vehicle DF - and 3-day D+HS Bench DF 0.000 R/L Vehicle DF - and R/L Bench DF 0.000

2-day D+HS Vehicle DF - and 2-day D+HS Bench DF 0.000 ORVR Vehicle DF - ORVR Bench DF 0.000

(3) List the configuration with the highest projected sales first.

Remarks : The average to NMHC used for the quality-audit testing;NMOG/NMHC=1.04

Application Processed by _____ Date _____ Reviewed by _____ Date _____

17. California ARB Information

(2) Vehicle Information (related to section 6)

Refer to the attached Vehicle Information.

Verify Processing Report

Total Datasets Submitted: 1
Accepted Datasets: 1
Rejected Datasets: 0

The original datasets are listed below. In addition, any information generated by the Verify system is also included. For any rejected datasets, the reason(s) the dataset was rejected is provided below in the Transaction Report for that particular dataset.

Test Vehicle Information Submission

Test Vehicle Information Details

Information Process Code : N
EPA Manufacturer Code : NSX
Vehicle Identification Text : KHE480
Vehicle Configuration Number : 0

Vehicle Configuration Details

Vehicle Description Details

Manufacturer Vehicle Configuration Number : 0
Test Group Name : CNSXV01.6GDA
Evaporative Refueling Family Name : CNSXR0090PBB
Model Year : 2012
Actual Test Vehicle Make Text : NISSAN
Actual Test Vehicle Model Text : NISSAN JUKE SV

Vehicle Fuel Category Identifier : SF
Fuel1 Identifier : G
Fuel2 Identifier : NA
Test Drive Code : F
Shift Indicator Light Usage Identifier : 1
Aged Component Usage Identifier : 4

Odometer Correction Details

Correction Initial Value : 3
Correction Factor Value : 0.988
Correction Sign Identifier : -
Correction Units Code : M

Engine Code Text : AM16DAC1
Engine Rated Horsepower Value : 188
Engine Displacement Value : 1.6

Air Aspiration Details

Air Aspiration Method Identifier : NA

Vehicle Specifications Details

Curb Weight Value : 3221
Equivalent Test Weight Value : 3500
NV Ratio Value : 30.5
Axle Ratio Value : 5.8

Transmission Specifications Details
Light Duty Transmission Type Identifier : CVT
Transmission Lockup Indicator : Y
Transmission Creeper Gear Indicator : N
Transmission Gear Count : 1

Target Set Coefficient Details
Test Procedure Dynamometer Coefficients Category : C-H-E
Target CoefficientA Value : 43.41
Target CoefficientB Value : -0.2097
Target CoefficientC Value : 0.02673
Set CoefficientA Value : 14.86
Set CoefficientB Value : -0.1683
Set CoefficientC Value : 0.02423

Target Set Coefficient Details
Test Procedure Dynamometer Coefficients Category : US06
Target CoefficientA Value : 43.41
Target CoefficientB Value : -0.2097
Target CoefficientC Value : 0.02673
Set CoefficientA Value : 14.86
Set CoefficientB Value : -0.1683
Set CoefficientC Value : 0.02423

Target Set Coefficient Details
Test Procedure Dynamometer Coefficients Category : Cold-CO
Target CoefficientA Value : 48.23
Target CoefficientB Value : -0.2330
Target CoefficientC Value : 0.02970
Set CoefficientA Value : 14.77
Set CoefficientB Value : -0.2578
Set CoefficientC Value : 0.02782

EPA Generated Test Vehicle Details
Original Receipt Date : 20110511
Adjusted Loaded Vehicle Weight Value : 0
Loaded Vehicle Weight Value : 3521

Transaction Status Details
Transaction Status Identifier : ACCEPTED

Verify Processing Report

Total Datasets Submitted: 1
Accepted Datasets: 1
Rejected Datasets: 0

The original datasets are listed below. In addition, any information generated by the Verify system is also included. For any rejected datasets, the reason(s) the dataset was rejected is provided below in the Transaction Report for that particular dataset.

Test Vehicle Information Submission

Test Vehicle Information Details

Information Process Code : C
EPA Manufacturer Code : NSX
Vehicle Identification Text : KHB248
Vehicle Configuration Number : 0

Vehicle Configuration Details

Vehicle Description Details

Manufacturer Vehicle Configuration Number : 0
Test Group Name : BNSXV01.6GDA
Evaporative Refueling Family Name : BNSXR0090PBB
Model Year : 2011
Actual Test Vehicle Make Text : NISSAN
Actual Test Vehicle Model Text : NISSAN JUKE SV

Vehicle Fuel Category Identifier : SF
Fuel1 Identifier : G
Fuel2 Identifier : NA
Test Drive Code : 4
Shift Indicator Light Usage Identifier : 1
Aged Component Usage Identifier : 4

Odometer Correction Details

Correction Initial Value : 4
Correction Factor Value : 0.999
Correction Sign Identifier : -
Correction Units Code : M

Engine Code Text : AM16DAC1
Engine Rated Horsepower Value : 188
Engine Displacement Value : 1.6

Air Aspiration Details

Air Aspiration Method Identifier : TC
Air Aspiration Device Count : 1
Air Aspiration Configuration Identifier : N

Charge Air Cooler Identifier : A

Vehicle Specifications Details

Curb Weight Value : 3221
Equivalent Test Weight Value : 3500
NV Ratio Value : 30.5
Axle Ratio Value : 5.8

Transmission Specifications Details

Light Duty Transmission Type Identifier : CVT
Transmission Lockup Indicator : Y
Transmission Creeper Gear Indicator : N
Transmission Gear Count : 1

Target Set Coefficient Details

Test Procedure Dynamometer Coefficients Category : Cold-CO
Target CoefficientA Value : 48.23
Target CoefficientB Value : -0.2330
Target CoefficientC Value : 0.02970
Set CoefficientA Value : 13.33
Set CoefficientB Value : -0.2604
Set CoefficientC Value : 0.02809

Target Set Coefficient Details

Test Procedure Dynamometer Coefficients Category : C-H-E
Target CoefficientA Value : 43.41
Target CoefficientB Value : -0.2097
Target CoefficientC Value : 0.02673
Set CoefficientA Value : 14.57
Set CoefficientB Value : -0.0789
Set CoefficientC Value : 0.02371

Target Set Coefficient Details

Test Procedure Dynamometer Coefficients Category : US06
Target CoefficientA Value : 43.41
Target CoefficientB Value : -0.2097
Target CoefficientC Value : 0.02673
Set CoefficientA Value : 14.57
Set CoefficientB Value : -0.0789
Set CoefficientC Value : 0.02371

EPA Generated Test Vehicle Details

Original Receipt Date : 20100527
Adjusted Loaded Vehicle Weight Value : 0
Loaded Vehicle Weight Value : 3521

Transaction Status Details

Transaction Status Identifier : ACCEPTED

Verify Processing Report

Total Datasets Submitted: 1
Accepted Datasets: 1
Rejected Datasets: 0

The original datasets are listed below. In addition, any information generated by the Verify system is also included. For any rejected datasets, the reason(s) the dataset was rejected is provided below in the Transaction Report for that particular dataset.

Test Vehicle Information Submission

Test Vehicle Information Details

Information Process Code : C
EPA Manufacturer Code : NSX
Vehicle Identification Text : KHB248
Vehicle Configuration Number : 1

Vehicle Configuration Details

Vehicle Description Details

Manufacturer Vehicle Configuration Number : 1
Test Group Name : BNSXV01.6GDA
Evaporative Refueling Family Name : BNSXR0090PBB
Model Year : 2011
Actual Test Vehicle Make Text : NISSAN
Actual Test Vehicle Model Text : NISSAN JUKE SV

Vehicle Fuel Category Identifier : SF
Fuel1 Identifier : G
Fuel2 Identifier : NA
Test Drive Code : 4
Shift Indicator Light Usage Identifier : 1
Aged Component Usage Identifier : 4

Odometer Correction Details

Correction Initial Value : 4
Correction Factor Value : 0.999
Correction Sign Identifier : -
Correction Units Code : M

Engine Code Text : AM16DAC1
Engine Rated Horsepower Value : 188
Engine Displacement Value : 1.6

Air Aspiration Details

Air Aspiration Method Identifier : TC
Air Aspiration Device Count : 1
Air Aspiration Configuration Identifier : N

Charge Air Cooler Identifier : A

Vehicle Specifications Details

Curb Weight Value : 3221
Equivalent Test Weight Value : 3500
NV Ratio Value : 30.5
Axle Ratio Value : 5.8

Transmission Specifications Details

Light Duty Transmission Type Identifier : CVT
Transmission Lockup Indicator : Y
Transmission Creeper Gear Indicator : N
Transmission Gear Count : 1

Target Set Coefficient Details

Test Procedure Dynamometer Coefficients Category : C-H-E
Target CoefficientA Value : 43.41
Target CoefficientB Value : -0.2097
Target CoefficientC Value : 0.02673
Set CoefficientA Value : 14.57
Set CoefficientB Value : -0.0789
Set CoefficientC Value : 0.02371

EPA Generated Test Vehicle Details

Original Receipt Date : 20100527
Adjusted Loaded Vehicle Weight Value : 0
Loaded Vehicle Weight Value : 3521

Transaction Status Details

Transaction Status Identifier : ACCEPTED

17. California ARB Information

(3) Summary Information (related to section 4, 5, 7)

Refer to the Certification Summary Information Report of SEC7.

17. California ARB information

(4) Fill Pipe Specification

AIR RESOURCES BOARD APPLICATION FORMAT FOR COMPLIANCE WITH THE FILL PIPE REQUIREMENTS

Manufacturer : NISSAN MOTOR CO., LTD.
Test Group : CNSXV01.6GDA
Vehicle Model (s) : JUKE

(use extra sheets if required)
The nomenclature and symbols used below are the same as those defined in "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks", amended December 7, 1982.

General Specification	ARB Specification	Manufacturer Specification*
(1) Angle α in degrees	-10 degrees ≦ α ≦ 20 degrees	: -5.8 degrees (Original)
		: -5.7 degrees (After R/C No. CV16GDA-02) 1/
(2) Spill Prevention in degrees	30 degrees (MIN)	: 32.2 degrees (Original)
(Angle between centerline of test spout in its resting position and the horizontal plane)		: 32.3 degrees (After R/C No. CV16GDA-02) 1/
(3) Test nozzle penetration of restriction device (cm)	2.25 (MIN)	: 2.37 (Original)
		: 2.48 (After R/C No. CV16GDA-02) 1/
(4) Angle β in degrees	none	: -3.0 degrees (Original)
		: -3.1 degrees (After R/C No. CV16GDA-02) 1/
Fill Pipe Specification		
(1) Fill pipe face surface in TIR (cm)	0.025 (MAX)	: 0.025
(2) Fill pipe face outside diameter (cm)	5.75 (MAX)	: 5.58 (Original)
		: 5.55 (After R/C No. CV16GDA-02) 1/
(3) Internal locking lip in degrees of the inside circumference	100 degrees (MIN)	: N.A.
(a) Degrees extending each side of reference plane	35 degrees (MIN) each side	: N.A.
(4) Height of lip measured from fill pipe inside wall (cm); or	0.25 (MIN)	: 0.31 (Original)
		: 0.26 (After R/C No. CV16GDA-02) 1/
height of lip measured from fill pipe outside wall for outside diameters between 5.20 and 5.75 (cm)	0.85 (MIN)	: N.A.
(5) Depth of lip (D) (cm)	0.4 ≦ D ≦ 1.3	: 1.1 (Original)
		: 1.16 (After R/C No. CV16GDA-02) 1/
Offset		
Offset A (cm)	none	: 0.39 (Original)
		: 0.38 (After R/C No. CV16GDA-02) 1/
Offset B (cm)	none	: N.A. (B ≦ 0)

*dimension should include adverse tolerance condition

Application For Certification
Part2
Individual application for 2012 Model Year

Durability Group	:	CNSXGPGNNABA
Evaporative / Refueling Family	:	CNSXR0090PBB
Test Group	:	CNSXV01.6GDA
Durability Group Description	:	Four Stroke, Otto Cycle, Gasoline Fueled, DFI Three Way Catalyst
Test Group Description	:	1.6 Liter L4 LDV (Fed) / PC (Cal)
Applicable Standard	:	Tier2 Bin5 (Fed) / LEV-II ULEV (Cal)
Vehicles Covered	:	NISSAN JUKE (50 States)
Issue Date	:	December 15, 2011
For Questions, Contact	:	Yukiyo Yamada Telephone No. 248-488-4654

NISSAN MOTOR CO., LTD

Revision on this page :

Part2
TABLE OF CONTENTS

Section	Title	Application	
		General	Individual
1	Part Number		X
2	Calibration Information		X
3	Detailed Description of Vehicles Covered by Certificate and Test Parameter		
	(1) Updated List of Certified Vehicles		X
	(2) Updated Test Parameter		X
	(3) Basic Information about Engine Code		X
4	Final US Sales	X	
5	Service Manuals, Service bulletins	X	
6	Confidential Information		
	(1) Block Diagram of the Input Parameters	X	
7	California ARB Information		
	(1)-1. MIL Display		X
	(1)-2. Fuel Cap Indicator Display		X
	(2)-1. Long-Term Emission System Defect Warranty Parts List		X
	(2)-2. High-Cost Warranty Parts List		X
	(3) "Vehicle Emission Control Information" Label Sample		X

1. Part numbers for JUKE

	Fuel system												
Engine code	Throttle body	MAF sensor	ECT sensor*	O2 sensor	TP sensor	Fuel injector	Absolute pressure (MAP) sensor	Absolute pressure (BARO) sensor	IACV-air regulator	Fuel * pressure regulator	IACV-AAC valve	A/F Sensor	AP Sensor
AM16DAC1	RME60-31	AFH70M-86	A1495	(Rr.) OZA603-N18	Built in throttle body	0 261 500 092	N.A.	N.A.	N.A.	17040 1KM0A (Built in Fuel Pump Module)	N.A.	211500-7530	N.A.
										17040 1KM1A (Built in Fuel Pump Module)			
AM16DAM1										17040 1KM0A (Built in Fuel Pump Module)			

* The parts with plural establishment have the same calibration and performance, even though the parts manufactures are different.
** The figures and numbers in the place of the mark x are variable according to lot number and production date.

1. Part numbers for JUKE

	ECM		Ignition system					
Engine code	Parts No.	Calibration I.D. No.	Distributor	CMP sensor	CKP sensor (POS)	CKP sensor (REF)	Spark plug	Knock sensor
AM16DAC1	DEA010-440 (with ASCD), DEA010-430 (with ASCD + ICON) DEA010-460 (with ASCD), DEA010-450 (with ASCD + ICON) (Original)	11TV3A (with ASCD), 11TV2A (with ASCD + ICON) 11TV5A (with ASCD), 11TV4A (with ASCD + ICON)	N.A.	164	SGIB501	N.A.	Standard: DILKAR7C9H, Alternative: DILKAR6C9H, Alternative: DILKAR8C9H	A2C53344012
	NEC001-040 (with ASCD), NEC001-039 (with ASCD + ICON) NEC001-042 (with ASCD), NEC001-041 (with ASCD + ICON) (After R/C No. CV16GDA-01)	11TV3B (with ASCD), 11TV2B (with ASCD + ICON) 11TV5B (with ASCD), 11TV4B (with ASCD + ICON)						
AM16DAM1	DEA010-420 (with ASCD), DEA010-410 (with ASCD + ICON)	11TV1A (with ASCD), 11TV0A (with ASCD + ICON)						

* The parts with plural establishment have the same calibration and performance, even though the parts manufactures are different.

** The figures and numbers in the place of the mark x are variable according to lot number and production date.

1. Part numbers for JUKE

	EGR system				Evap. system									
Engine code	EGR valve	EGR orifice	EGRC-BPT valve	EGRC-solenoid valve	Evap. canister	Evap. canister purge control valve	Evap. canister purge solenoid valve	Evap. canister purge cut valve	Evap. canister purge cut one-way valve	Evap. control system pressure sensor (Including AP Sensor function)	Gas cap*	Fuel check valve	Refueling control valve	Engine vacuum cut valve
AM16DAC1 AM16DAM1	N.A.	N.A.	N.A.	N.A.	14950 1KC0A	K5T48585	N.A.	N.A.	N.A.	PS76-01,5WK9 6830	17251 1VX0A (Original) 17251 1VZ0 (After R/C No. CV16GDA-02)	N.A.	N.A.	N.A.

* The parts with plural establishment have the same calibration and performance, even though the parts manufactures are different.

** The figures and numbers in the place of the mark x are variable according to lot number and production date.

1. Part numbers for JUKE

	Other											
Engine code	Catalyst Mani.	Pre.	Underfloor	PCV valve	IAT sensor	Thermostat *	SCV Control Solenoid Valve	SCV Actuator	SCV Control Valve	Super -charger	Super-charger Bypass Valve Actuator	Super-charger Bypass Solenoid Valve
AM16DAC1	1TV	N.A.	1TW	35BW	Built in MAF sensor	82	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	1TX		1TY									
AM16DAM1	1TV		1TW									

* The parts with plural establishment have the same calibration and performance, even though the parts manufactures are different.

** The figures and numbers in the place of the mark x are variable according to lot number and production date.

2. Calibration Information (for JUKE)

Engine Code: AM16DAC1, AM16DAM1

Emission Component	Parameter	Calibration	
Fuel System			
Fuel pump	Fuel pump flow rate (l/hr)	81.2	
Fuel pressure regulator	Regulated fuel pressure (kPa)	500 ± 7	
EGR System			
EGR valve	EGR exhaust gas flow rate at specified vacuum levels	N.A.	
BPT valve	Closed at exhaust pressure above	N.A.	
EGR orifice	Orifice diameter	N.A.	
Ignition System			
Tune up specification	Basic engine timing (degrees BTDC) / rpm	6 ± 2/650 (MCVT)	
Tune up specification	Basic engine timing (degrees BTDC) / rpm	8 ± 2/600 (6MT)	
	Idle rpm (in N)	650 ± 50 (MCVT)	
	Idle rpm (in N)	600 ± 50 (6MT)	
Spark plug	Gap (mm)	0.9	
Miscellaneous			
		Mixture ratio	Output
Air fuel ratio sensor	Output (730 mV)	A/F=14.7	0 ± 0.01 mA
		A/F=13	-0.26 ± 0.068 mA
		A/F=18	0.3 ± 0.036 mA
Oxygen sensor	Output (350 mV)	$\lambda \leq 0.9$	750 min
		$\lambda \geq 1.10$	100 max
Thermostat	Full opening temperature (degrees C)	82	

3. Detailed Description of Vehicles Covered by Certificate and Test Parameter

(1) Updated List of Certified Vehicles

Refer to the Individual application, Sec. 12 in Part1

(2) Updated Test Parameter

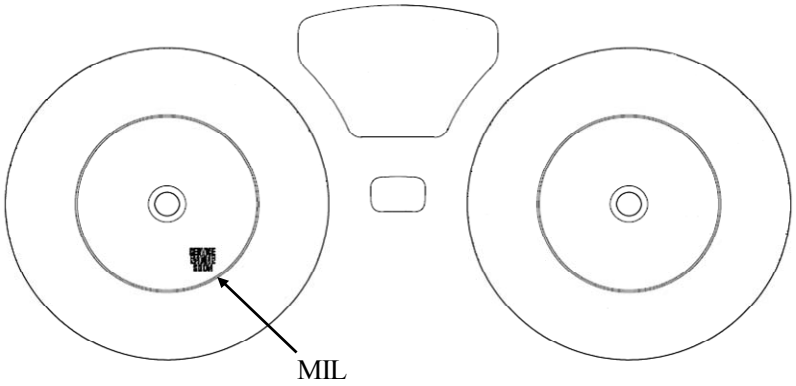
Refer to the Individual application, Sec. 12 in Part1

(3) Basic Information about Engine Code

Model Name	Engine Code	Power/RPM (HP/rpm, SAE net)	Torque/RPM (1b.ft/rpm, SAE net)	Idle Speed (rpm)	Basic Timing (degrees BTDC/rpm)	Cat Code Pre	Mani	Under Floor
JUKE	AM16DAC1	188/5600	177/2000 - 5200	650 ± 50	6 ± 2/650	Refer to the General application, Sec 16(2) in Part1		
	AM16DAM1			600 ± 50	8 ± 2/600			

7. California ARB information

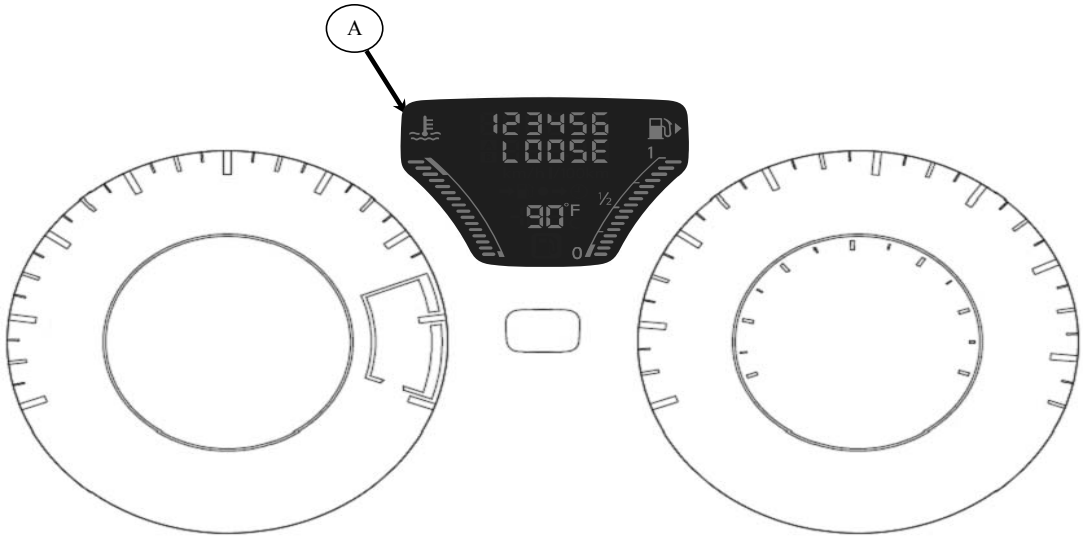
(1)-1. MIL Display (for JUKE)

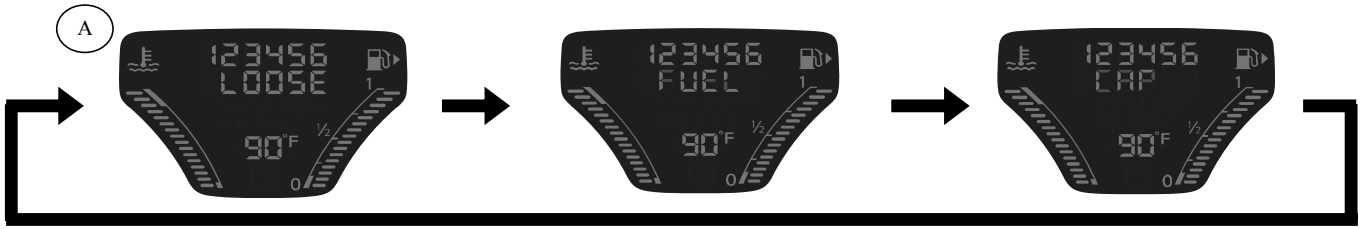
Size	: Symbol	height x width (mm)	:	7.6 x 8.2
	: Illuminated part	height x width (mm)	:	7.6 x 8.2
Colors	: Symbol	letter	:	smoke
		background	:	black
	: Illuminated part		:	yellow
Intensity (cd/m2)			:	75-250
Symbol			:	
Location			:	

7. California ARB information

(1)-2. Fuel Cap Indicator Display (for JUKE)

Wording/Symbol and location





Symbol/Warning		A
Intensity (cd/m2)		0-105
Color	Background	black
	Letter/Symbol	orange
	Illuminated part	-

"LOOSE" -> "FUEL" -> "CAP" ->
Repeat this until cleared by pushing reset knob on Meter or fault is cleared.

7. California ARB information

(2)-1. Long-Term Emission System Defect Warranty Parts List

Part

TURBO ASSY
CONV-MANIF CAT,W/SHROUD
SIGNAL PLATE
MOD ASSY-ENG CONT (2WD MT I-CON)
MOD ASSY-ENG CONT (2WD MT)
MOD ASSY-ENG CONT (2WD CVT I-CON)
MOD ASSY-ENG CONT (2WD CVT)
MOD ASSY-ENG CONT (4WD CVT I-CON)
MOD ASSY-ENG CONT (4WD CVT)
Front Exhaust Tube w/Catalytic Converter
CHMBR-THROT
MANIF ASSY-INT
HARN-EGI
Fuel Tank
MANIF ASSY-EXH
METER ASSY-AIR FLOW

7. California ARB information

(2)-2. High-Cost Warranty Parts List

$133/HR, LABOR RATE

Part	Estimated Price	Hours		Labor	Total
TURBO ASSY	$1,228	2.5		$333	$1,560
CONV-MANIF CAT,W/SHROUD	$755	2.9		$386	$1,140
SIGNAL PLATE	$41	7.3		$971	$1,012
MOD ASSY-ENG CONT (2WD MT I-CON)	$773	1.0	*	$133	$906
MOD ASSY-ENG CONT (2WD MT)	$773	1.0	*	$133	$906
MOD ASSY-ENG CONT (2WD CVT I-CON)	$773	1.0	*	$133	$906
MOD ASSY-ENG CONT (2WD CVT)	$773	1.0	*	$133	$906
MOD ASSY-ENG CONT (4WD CVT I-CON)	$773	1.0	*	$133	$906
MOD ASSY-ENG CONT (4WD CVT)	$773	1.0	*	$133	$906
Front Exhaust Tube w/Catalytic Converter	$752	0.5		$67	$819
CHMBR-THROT	$717	0.5		$67	$783
MANIF ASSY-INT	$478	2.2		$293	$770
HARN-EGI	$542	1.5		$200	$742
Fuel Tank	$486	1.6		$213	$699
MANIF ASSY-EXH	$225	3.2		$426	$650
METER ASSY-AIR FLOW	$608	0.2		$27	$635
SEN ASSY-AIR FUEL RATIO	$442	0.7	*	$93	$535
INJECTOR ASSY-FUEL	$163	2.7		$359	$523
Automatic Transmission Control Module	$403	0.5		$67	$469

*=Includes OBDII diagnosis

7. California ARB information

(3) "Vehicle Emission Control Information" Label Sample

VEHICLE EMISSION CONTROL INFORMATION	NISSAN MOTOR CO.,LTD
Conforms to regulations:	2012 MY
U.S. EPA: T2B5 LDV	OBD:CA II FUEL:Gasoline
California: LEV2-ULEV PC	OBD:CA II FUEL:Gasoline
NO ADJUSTMENTS NEEDED	TWC(2)/HO2S/AFS/DFI/CAC/TC
Group: CNSXV01.6GDA Evap: CNSXR0090PBB	1TV0A
Engine Oil Viscosity: SAE 5W-30	