	QUI	CK REFERENCE INDEX			1
Edition: June 2014		GENERAL INFORMATION	GI	General Information	
Revision: June 2014	В	ENGINE			
Pub. No. SM15EA0ZE0U0	С	ELECTRIC POWER TRAIN	EVC	EV Control System	
			TMS	Traction Motor System	
			EVB	EV Battery System	
			VC	Vehicle Charging System	
			нсо	High Voltage Cooling System	
			ACC	Accelerator Control System	
	D	TRANSMISSION & DRIVE- LINE	тм	Transaxle &Transmission	
			ТМ		
			FAX	Front Axle	
			RAX	Rear Axle	
	Е	SUSPENSION	FSU	Front Suspension	
			RSU	Rear Suspension	
NISSAN			WT	Road Wheels & Tires	
LEAF	F	BRAKES	BR	Brake System	
	1	BRAREO	PB	Parking Brake System	
MODEL ZE0 SERIES			BRC	Brake Control System	
	G	STEERING	ST	Steering System	
	Ŭ	012ERANO	STC	Steering Control System	
	н	RESTRAINTS	SB	Seat Belt	
			SR	SRS Airbag	
			SRC	SRS Airbag Control System	
	1	VENTILATION, HEATER & AIR CONDITIONER	VTL	Ventilation System	
		AIR CONDITIONER	HA	Heater & Air Conditioning System	
			HAC	Heater & Air Conditioning Control System	
	J	BODY INTERIOR	INT	Interior	
			IP SE	Instrument Panel Seat	
			JL	Jeal	
	к	BODY EXTERIOR,	DLK	Door & Lock	
		DOORS, ROOF & VEHICLE	SEC	Security Control System	
		SECURITY	GW	Glass & Window System	
			PWC	Power Window Control System	
			EVT		
			EXT BRM	Exterior Body Repair Manual	
		DRIVER CONTROLS	MIR	Mirrors	
	-	DRIVER CONTROLS	EXL	Exterior Lighting System	
			INL	Interior Lighting System	
			WW	Wiper & Washer	
			DEF	Defogger	
			HRN	Horn	
			VSP	Approaching Vehicle Sound for Pedestrians	
		ELECTRICAL & POWER	DWO	(VSP)	
	м	CONTROL	PWO	Power Outlet	
All rights reserved. No part			BCS	Body Control System	
of this Service Manual may			LAN PCS	LAN System Power Control System	
be reproduced or stored in a			CHG	Charging System	
retrieval system, or transmit-			PG	Power Supply, Ground & Circuit Elements	
ted in any form, or by any	N	DRIVER INFORMATION &	MWI	Meter, Warning Lamp & Indicator	
means, electronic, mechani-		MULTIMEDIA	WCS	Warning Chime System	
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Nissan North America, Inc.	<u> </u>	ASSISTANCE	MA	Maintananaa	
	Р	MAINTENANCE	MA	Maintenance	

FOREWORD

This manual contains maintenance and repair procedures for the 2015 NISSAN LEAF.

In order to assure your safety and the efficient functioning of the vehicle, this manual should be read thoroughly. It is especially important that the PRECAUTIONS in the GI section be completely understood before starting any repair task.

All information in this manual is based on the latest product information at the time of publication. The right is reserved to make changes in specifications and methods at any time without notice.

IMPORTANT SAFETY NOTICE

The proper performance of service is essential for both the safety of the technician and the efficient functioning of the vehicle. The service methods in this Service Manual are described in such a manner that the service may be performed safely and accurately. Service varies with the procedures used, the skills of the technician and the tools and parts available. Accordingly, anyone using service procedures, tools or parts which are not specifically recommended by NISSAN must first be completely satisfied that neither personal safety nor the vehicle's safety will be jeopardized by the service method selected.



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SERVICE MANUAL: Model:	Year:
PUBLICATION NO. (Refer to Quick Reference Index)	
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repairing customer vehicles?	
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Periodical Maintenance Specification

COOLANT CAPACITY (APPROXIMATE)

	Unit: ℓ (US qt, Imp qt)
Coolant capacity (With reservoir tank at "MAX" level)	5.3 (5-5/8, 4-5/8)
Reservoir tank coolant capacity (At "MAX" level)	0.5 (4/8, 4/8)

RESERVOIR TANK CAP

	Unit: kPa (kg/cm², psi)
Cap relief pressure	24 - 36 (0.2 - 0.3, 3.5 - 5.2)

RADIATOR

Unit: kPa (kg/cm², psi)

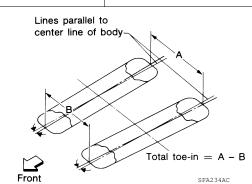
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32 (0.3, 5)

Leakage testing pressure

Front Wheel Alignment

Item Standard Minimum -1° 10' (-1.17°) Nominal -0° 25' (-0.42°) Camber Degree minute (Decimal degree) Maximum 0° 20′ (0.33°) LH and RH difference*1 -0° 45' (-0.75°) - 0° 45' (0.75°) 4° 05′ (4.08°) Minimum Nominal 4° 50' (4.83°) Caster Degree minute (Decimal degree) Maximum 5° 35' (5.58°) -0° 45' (-0.75°) - 0° 45' (0.75°) LH and RH difference*1 Minimum 11° 10' (11.17°) Kingpin inclination Nominal 11° 55' (11.92°) Degree minute (Decimal degree) 12° 40' (12.67°) Maximum



Total toe-in		Minimum	0 mm (0 in)
	Distance (A - B)	Nominal	In 2 mm (In 0.08 in)
		Maximum	In 4 mm (In 0.15 in)
		Minimum	0 ° 00′ (0.00°)
	Angle (LH and RH) Degree minute (Decimal degree)	Nominal	ln 0 ° 10′ 48″ (ln 0.18°)
		Maximum	ln 0 ° 21′ 36″ (ln 0.36°)

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Measure value under unladen*² conditions.

*1: A difference when assuming the LH a standard.

*2: Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

Rear Wheel Alignment

INFOID:000000011183709

Tire size			205/55R16	215/50R17	
		Minimum	0° 59′ (0.98°)		
Camber Degree minute ((Decimal degree)	Nominal	1° 29′ (1.48°)		
Bogroominato		Maximum	1° 59′ (1.98°)		
		Lines parallel to center line of box	dy A Total toe-in = A - B		
		Minimum	Out 1.5 mm (Out 0.059 in)	Out 1.6 mm (Out 0.063 in)	
	Distance (A - B)	Nominal	In 3.3 mm (In 0.130 in)	In 3.4 mm (In 0.134 in)	
T . (.) (Maximum	In 8.1 mm (In 0.319 in)	In 8.4 mm (In 0.331 in)	
Total toe-in		Minimum	Out 0° 09′ (Out 0.15°)		
	Angle (LH and RH) Degree minute (Decimal degree)	Nominal	ln 0° 19′ (ln 0.32°)		
		Maximum	ln 0° 47′	(In 0.78°)	

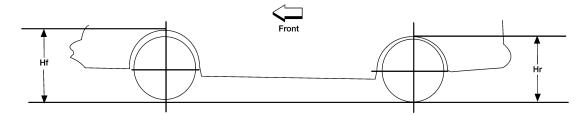
Measure value under unladen^{*} conditions.

*: Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

Wheelarch Height

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UNITED STATES



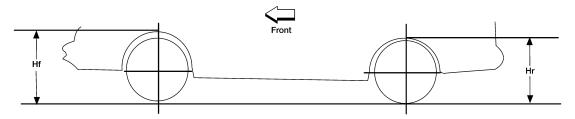
LEIA0085E

Tire size	205/55R16	215/50R17	
Front (Hf)	706 mm (27.80 in)	714 mm (28.11 in)	
Rear (Hr)	708 mm (27.87 in)	714 mm (28.11 in)	

Measure value under unladen* conditions.

*: Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

CANADA



LEIA0085E

Tire size	205/55R16	215/50R17	
Front (Hf)	706 mm (27.80 in)	714 mm (28.11 in)	
Rear (Hr)	709 mm (27.91 in)	715 mm (28.15 in)	

Measure value under unladen* conditions.

*: Fluids and lubricants are full. Tire repair kit and mats are in designated positions.

Brake Specifications

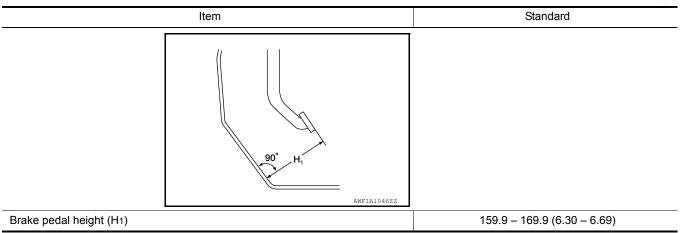
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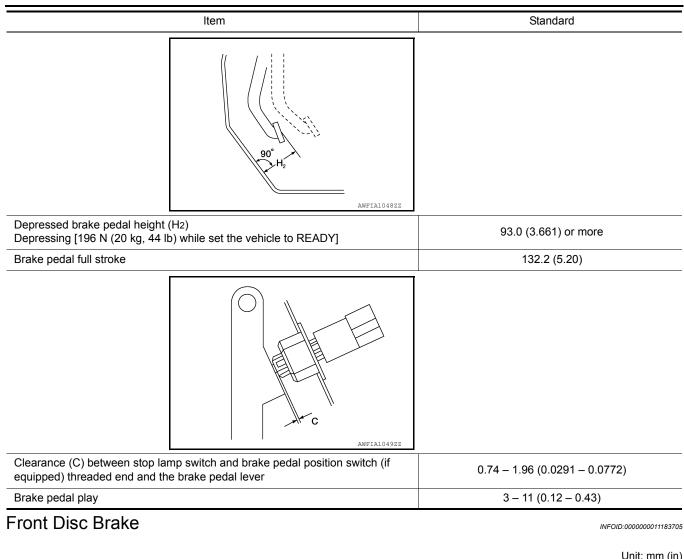
		Unit: mm (in
	Cylinder bore diameter	57.2 (2.252)
Front brake	Pad length × width × thickness	140.0 × 48.0 × 10.0 (5.51 × 1.890 × 0.394)
	Rotor outer diameter × thickness	296 × 26.0 (11.65 × 1.024)
	Cylinder bore diameter	38.1 (1.500)
Rear brake	Pad length × width × thickness	83.0 × 31.9 × 8.5 (3.268 × 1.265 × 0.355)
	Rotor outer diameter × thickness	292 × 16.0 (11.50 × 0.630)
Master cylinder	Cylinder bore diameter	25.4 (1)
Control valve	Valve type	Electric brake force distribution

Brake Pedal

INFOID:0000000011183706

Unit: mm (in)





	Item	Limit
Brake pad	Wear limit thickness	2.0 (0.079)
Disc rotor	Wear limit thickness	24.0 (0.945)
	Thickness variation (measured at 8 positions)	0.015 (0.0006)
	Runout (with it attached to the vehicle)	0.035 (0.0014)

Rear Disc Brake

INFOID:000000011183704

		Unit: mm (in)
	Item	Limit
Brake pad	Wear thickness	2.0 (0.079)
Disc rotor	Wear thickness	14.0 (0.051)
	Thickness variation (measured at 8 positions)	0.015 (0.0006)
	Runout (with it attached to the vehicle)	0.1 (0.0039)

Fluids and Lubricants

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		Capacity (Approximate)		
		US measure	Imp measure	Liter
Cooling overter	With reservoir tank	5-5/8 qt	4-5/8 qt	5.3
Cooling system	Reservoir tank	4/8 qt	4/8 qt	0.5
Reduction gear fluid		3 pt	2-1/2 pt	1.41
Brake fluid		—	—	_
Windshield washer fluid	Canada	4-3/4 qt	4 qt	4.5 <i>l</i>
	USA	2-3/5 qt	2-1/5 qt	2.5 l
Air conditioning system refriger- ant	With heat pump system	1.874 lb	1.874 lb	0.850 kg
	Without heat pump system	0.937 lb	0.937 lb	0.425 kg
Air conditioning system lubri- cants	With heat pump system	4.7 fl oz	4.9 fl oz	140 mℓ
	Without heat pump system	5.1 fl oz	5.3 fl oz	150 mℓ
Multi-purpose grease		_	_	