Edition: November 2010	QUICK REFERENCE INDEX		
Revision: June 2014	A GENERAL INFORMATION	GI General Information	
Publication No. SM1E-1ZE0U2	B ENGINE		
	C ELECTRIC POWER TRAIN		
		EVC EV Control System	
		TMS Traction Motor System	
		EVB EV Battery System VC Vehicle Charging System	
		HCO High Voltage Cooling System	D
		ACC Accelerator Control System	
	D TRANSMISSION & DRIVELINE	TM Transaxle & Transmission	
		FAX Front Axle	
	E SUSPENSION	RAX Rear Axle FSU Front Suspension	
NISSAN	E SUSPENSION	RSU Rear Suspension	
LEAF			
	E 554//50	WT Road Wheels & Tires	
MODEL ZE0 SERIES	F BRAKES	BR Brake System PB Parking Brake System	G
		BRC Brake Control System	
	G STEERING	ST Steering System	
	H RESTRAINTS	STC Steering Control System SB Seat Belt	
	H RESTRAINTS	SB Seat Belt	
		SR SRS Airbag	
		SRC SRS Airbag Control System	
	I VENTILATION, HEATER & AIR CONDITIONER	VTL Ventilation System HA Heater & Air Conditioning System	
		HAC Heater & Air Conditioning Control System	
	J BODY INTERIOR	INT Interior	J
		IP Instrument Panel SE Seat	
		SE Seal	
	K BODY EXTERIOR, DOORS,	DLK Door & Lock	
	ROOF & VEHICLE SECURITY	SEC Security Control System	
		GW Glass & Window System PWC Power Window Control System	
		EXT Exterior BRM Body Repair	
	L DRIVER CONTROLS	MIR Mirrors	
		EXL Exterior Lighting System	
		INL Interior Lighting System WW Wiper & Washer	
		DEF Defogger	
		HRN Horn	
		VSP Approaching Vehicle Sound for Pedestrians (VSP)	
© 2014 NISSAN MOTOR CO.,LTD.	M ELECTRICAL & POWER CON- TROL	PWO Power Outlet BCS Body Control System	
All Diskis Deserved Newsyl		LAN LAN System	
All Rights Reserved. No part of this Service Manual may		PCS Power Control System	
be reproduced or stored in a		CHG Charging System PG Power Supply, Ground & Circuit Elements	Ρ
retrieval system, or transmit-	N DRIVER INFORMATION &	MWI Meter, Warning Lamp & Indicator	
ted in any form, or by any	MULTIMEDIA	WCS Warning Chime System	
means, electronic, mechani-			
cal, recording or otherwise,	O CRUISE CONTROL &	AV Audio, Visual & Navigation System CCS Cruise Control System	
without the prior written per-	DRIVER ASSISTANCE		
mission of NISSAN MOTOR			
CO., LTD.	P MAINTENANCE	MA Maintenance	

FOREWORD

This manual contains maintenance and repair procedure for the 2011 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.

NISSAN MOTOR CO., LTD.

NISSAN		
	PLEASE HELP MAKE THIS SERVIC	E MANUAL BETTER!
Your comm	ments are important to NISSAN and will help	us to improve our Service Manuals.
Use this fo	orm to report any issues or comments you ma	y have regarding our Service Manuals.
Please prii	int this form and type or write your comments	below. Mail or fax to:
	Nissan North America, Inc. Technical Service Information 39001 Sunrise Drive, P.O. Box Farmington Hills, MI USA 4833 FAX: (248) 488-3880	
SERVICE N	MANUAL: Model: Yea	r:
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QUICK REFERENCE CHART LEAF

QUICK REFERENCE CHART LEAF TUNE-UP DATA (EM61)

PFP:00000

ELS0003W

Motor modelEM61Cooling system leakage testing pressurekPa (kg/cm², psi)32 (0.3, 5)

FRONT WHEEL ALIGNMENT

ELS0003X

Item		Standard	
Camber Degree minute (Decimal degree)		Minimum	-1° 10′ (-1.16°)
		Nominal	-0° 25′ (-0.42°)
		Maximum	0° 20′ (0.33°)
		Left and right difference	-0° 45′ (-0.75°) - 0° 45′ (0.75°)
Caster Degree minute (Decimal degree)		Minimum	4° 05′ (4.09°)
		Nominal	4° 50′ (4.83°)
		Maximum	5° 35′ (5.58°)
		Left and right difference	-0° 45′ (-0.75°) - 0° 45′ (0.75°)
Kingpin inclination Degree minute (Decimal degree)		Minimum	11° 10′ (11.17°)
		Nominal	11° 55′ (11.92°)
		Maximum	12° 40′ (12.66°)
Total toe-in Distance Toe-in		Minimum	0 mm (0 in)
		Nominal	In 2 mm (In 0.08 in)
	Diotanoo	Maximum	In 4 mm (In 0.15 in)
	Total toe-angle	Minimum	0 ° 00′ (0.00°)
	Degree minute (Decimal de-	Nominal	ln 0 ° 10′ 48″ (ln 0.18°)
	gree)	Maximum	In 0 ° 21′ 36″ (In 0.36°)

Measure value under unladen* conditions.

*: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

REAR WHEEL ALIGNMENT

ELS0003Y

Item			Standard
Camber Degree minute (Decimal degree)		Minimum	-1° 59′ (-1.98°)
		Nominal	-1° 29′ (-1.48°)
		Maximum	-0° 59′ (-0.99°)
Toe-in	Total toe-in Distance	Minimum	In 1.5 mm (In 0.06 in)
		Nominal	In 5.5 mm (In 0.22 in)
		Maximum	In 9.5 mm (In 0.37 in)
	Total toe-angle Degree minute (Decimal degree)	Minimum	In 0° 08′ 24″ (In 0.14°)
		Nominal	In 0° 30′ 00″ (In 0.50°)
		Maximum	In 0° 51′ 36″ (In 0.86°)

Measure value under unladen* conditions.

*: Fuel, engine coolant and lubricant are full. Spare tire, jack, hand tools and mats are in designated positions.

2011

QUICK REFERENCE CHART LEAF

BRAKE PEDAL

Unit: mm (in.)

Brake pedal height	159.9 - 169.9 (6.30 - 6.69)
Depressed brake pedal height [Depressing 490 N (50 kg, 110 lb) while set the vehicle to READY]	93.0 (3.661) or more

FRONT DISC BRAKE

Unit: mm (in.)

Item		Limit
Brake pad Wear thickness		2.0 (0.079)
Disc rotor	Wear thickness	26.0 (1.024)

REAR DISC BRAKE

Unit: mm (in.)

Item		Limit
Brake pad	Wear thickness	2.0 (0.079)
Disc rotor	Wear inner diameter	14.0 (0.051)

REFILL CAPACITIES

UNIT Liter US measure 6.6 Coolant (With reservoir tank at "MAX" level) 7 qt Reduction gear oil 1.1 2-3/8 pt Compressor oil 0.15 5.1 fl oz 0.9 lb Air conditioning system Refrigerant 0.4 kg Heater fluid 1,830 cm³ 112.1 cu in

ELS00040