

TEST RESULTS

Nissan Leaf

Nissan Leaf 80kW electric, RHD

2011



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 32 pts | 89%

FRONTAL IMPACT



Driver



Passenger

13,6 pts

FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	21mm
Steering wheel rearward	none
Steering wheel upward	22mm
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	centre console; structures surrounding steering column
Concentrated loads on knees	centre console; structures surrounding steering column

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	accelerator - 72mm
Upward pedal movement	accelerator - 12mm

SIDE IMPACT

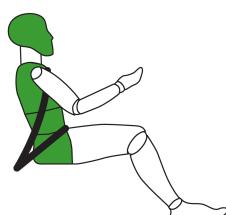
Head protection airbag	Yes
Chest protection airbag	Yes

SIDE IMPACT CAR

8 pts

SIDE IMPACT POLE

7,4 pts



Car



Pole

REAR IMPACT (WHIPLASH)

2,9 pts



WHIPLASH

Seat description	Standard cloth, manual adjust
Head restraint type	Passive
Geometric assessment	-0,1 pts

TESTS

- High severity 2,9 pts
- Medium severity 2,7 pts
- Low severity 2,5 pts

TEST RESULTS

CHILD OCCUPANT

Total 40 pts | 83%

18 MONTH OLD CHILD

Restraint	Fair Bimbofix G 0/1S
Group	0/1
Facing	rearward
Installation	ISOFIX anchorages and top tether



PERFORMANCE	12 pts
INSTRUCTIONS	4 pts
INSTALLATION	2 pts

FRONTAL IMPACT

Head forward movement	protected
Head acceleration	good
Chest load	good

SIDE IMPACT

Head containment	protected
Head acceleration	good

3 YEAR OLD CHILD

Restraint	Britax Roemer Duo Plus
Group	0/1
Facing	forward
Installation	ISOFIX anchorages and top tether



PERFORMANCE	11,4 pts
INSTRUCTIONS	4 pts
INSTALLATION	2 pts

FRONTAL IMPACT

Head forward movement	protected
Head acceleration	good
Chest load	fair

SIDE IMPACT

Head containment	protected
Head acceleration	good

VEHICLE BASED ASSESSMENT

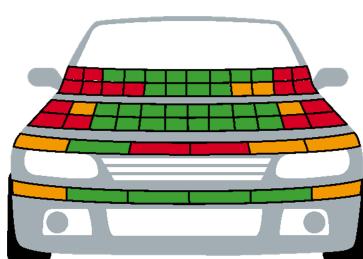
5 pts

Airbag warning Label

Text and pictogram warning label permanently attached to both sides of the passenger sun visor

PEDESTRIAN

Total 23 pts | 65%



HEAD	15,2 pts
PELVIS	3 pts
LEG	5,1 pts

SAFETY ASSIST

Total 6 pts | 84%

SPEED LIMITATION ASSISTANCE

0,9 pts

- active, standard Pass

ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- VDC Pass

Yaw rate ratio (1.00s) 20,50 %

Yaw rate ratio (1.75s) 2,08 %

Lateral displacement (1.07s) 3,21 m

SEATBELT REMINDER

2 pts

- driver Pass

- passenger Pass

- rear Not assessed

TEST RESULTS

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Nissan Leaf 80kW electric, RHD
Body type	5 door hatchback
Year of publication	2011
Kerb weight	1530kg
VIN from which rating applies	applies to all Leafs of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	single stage
Front passenger frontal airbag	single stage
Side body airbags	
Side head airbags	
Speed Limitation Assistance	active
Electronic Stability Control	
Seatbelt Reminder	driver and front passenger seats

COMMENTS

Adult occupant

The passenger compartment of the Leaf remained stable in the frontal impact. The stiff centre console and structures surrounding the steering column posed a risk of injury to the knees and femurs of occupants of different sizes to the dummies used in the test, or to those sat in different positions. In the side barrier test the Leaf scored maximum points with all body regions being well protected. In the more severe side pole impact, protection of most body regions was good and that of the chest was adequate. The Leaf was tested with a live battery. No electrical hazards or problems were encountered during any of the impact tests. The protection provided by the front seats and head restraints against whiplash injuries in a rear impact was rated as marginal.

Child occupant

Based on dummy readings, the Leaf was awarded maximum points for its protection of the 18 month infant in the dynamic tests. The passenger airbag can be disabled to allow a rearward facing child restraint to be used in that seating position. However, information provided to the driver about the status of the airbag is not sufficiently clear. Permanently attached labels clearly warn of the dangers of using a rearward facing child seat in that seat without first having disabled the airbag.

Pedestrian

Protection provided by the bumper to pedestrians' legs was predominantly good. In most areas where a child's head might strike, the bonnet offered good protection. In those areas likely to be struck by an adult's head, protection was in most areas either good or marginal.

Safety assist

Electronic Stability Control is standard equipment and met Euro NCAP's test requirements. The driver and front passenger seats have a seatbelt reminder system as standard. A driver-set speed limitation device is also standard equipment.