

Renault Fluence ZE

Renault Fluence ZE, 'Expression', LHD

2011



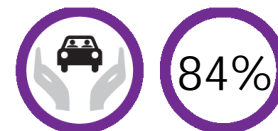
ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

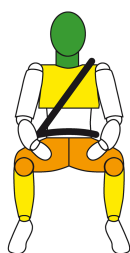
Total 26 pts | 72%

FRONTAL IMPACT

9,8 pts



Driver



Passenger

SIDE IMPACT CAR

8 pts

SIDE IMPACT POLE

6,1 pts



Car



Pole

REAR IMPACT (WHIPLASH)

2 pts



	GOOD
	ADEQUATE
	MARGINAL
	WEAK
	POOR

FRONTAL IMPACT

HEAD

Driver airbag contact	unstable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	43mm
Steering wheel rearward	35mm
Steering wheel upward	7mm
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	Steering column, lock and facia
Concentrated loads on knees	Column, lock and facia

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	brake - 94mm
Upward pedal movement	none

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard cloth, 4 way manual
Head restraint type	Passive
Geometric assessment	1 pts

TESTS

- High severity	1,9 pts
- Medium severity	1,6 pts
- Low severity	0 pts

CHILD OCCUPANT

Total 41 pts | 83%

18 MONTH OLD CHILD

Restraint Britax Römer Baby Safe Plus
Group 0, 0+
Facing rearward
Installation ISOFIX anchorages and support frame



PERFORMANCE **10,8 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

3 YEAR OLD CHILD

Restraint Britax Römer Duo Plus
Group 1
Facing forward
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

VEHICLE BASED ASSESSMENT

6 pts

Airbag warning Label

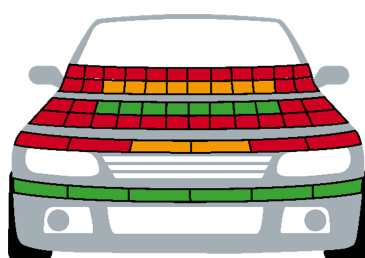
Text and pictogram label on passenger sun visor

PEDESTRIAN

Total 13 pts | 37%

SAFETY ASSIST

Total 6 pts | 84%



GOOD
MARGINAL
POOR

HEAD 7,2 pts
 PELVIS 0,1 pts
 LEG 6 pts

SPEED LIMITATION ASSISTANCE 0,9 pts

- active, standard Pass

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- ESP Pass

Yaw rate ratio (1.00s) 6,76 %

Yaw rate ratio (1.75s) 2,61 %

Lateral displacement (1.07s) 2,93 m

SEATBELT REMINDER 2 pts

- driver Pass
 - passenger Pass
 - rear Not assessed

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Renault Fluence ZE, 'Expression', LHD
Body type	4 door saloon
Year of publication	2011
Kerb weight	1569kg
VIN from which rating applies	applies to all Fluence ZE of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	dual 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 passenger seats

COMMENTS

Adult occupant

In the frontal test, the passenger compartment remained stable. However, there was insufficient pressure in the driver's airbag to prevent the head from making contact, through the fabric of the airbag, with the rim of the steering wheel. The car was penalised for this 'bottoming out' of the airbag. Renault has informed Euro NCAP that they are investigating the issue with a view to making improvements. Structures in the dashboard were thought to present a hazard to the knees and femurs of the driver and passenger. In the side barrier test, protection of the chest was adequate and that of other body regions was good. In the more severe side pole test, dummy readings of rib deflection indicated weak protection of the chest. The seat and head restraint provided marginal protection against whiplash injuries in the event of a rear-end collision. The car was checked after all of the tests and no electrical hazards were found.

Child occupant

Based on dummy readings in the crash tests, the Fluence ZE scored maximum points for its protection of the 3 year dummy. Forward movement of that dummy, sat in a forward facing restraint, was not excessive and, in the side impact, both dummies were properly contained by the shells of their restraints, minimising the likelihood of dangerous head contact. The passenger airbag can be disabled by means of a switch, allowing a rearward facing restraint to be used in that seating position. However, information provided to the driver regarding the status of the airbag is not sufficiently clear. However, clear information is provided in the car regarding the dangers of using a rearward facing restraint without first disabling the airbag.

Pedestrian

The bonnet provided predominantly poor protection in those areas likely to be struck by the head of a child or an adult. The front edge of the bonnet was also predominantly poor in its protection of a pedestrian's upper legs and pelvis. The bumper offered good protection to pedestrians' legs, and scored maximum points.

Safety assist

Electronic stability control is standard equipment and met Euro NCAP's test requirements. A seatbelt reminder is standard for the driver and passenger seats. A driver-set speed limitation device is optional on some variants but is expected to be fitted as standard in sufficient numbers to meet Euro NCAP's 2011 fitment requirements.