Renault Fluence ZE
Renault Fluence ZE, 'Expression', LHD

2011

ADULT OCCUPANT
Total 26 pts | 72%

FRONTAL IMPACT
9.8 pts
- Driver airbag contact: unstable
- Passenger airbag contact: stable

Chest protection airbag: Yes

SIDE IMPACT CAR
8 pts
- Passenger compartment: stable
- Windscreen Pillar rearward: 43mm
- Steering wheel rearward: 35mm
- Steering wheel upward: 7mm
- Chest contact with steering wheel: none

SIDE IMPACT POLE
6.1 pts
- Stiff structures in dashboard: Steering column, lock and facia
- Concentrated loads on knees: Column, lock and facia

UPPER LEGS, KNEES AND PELVIS
- Footwell Collapse: none
- Rearward pedal movement: brake - 94mm
- Upward pedal movement: none

LOWER LEGS AND FEET
- Head protection airbag: Yes
- Chest protection airbag: Yes

SIDE IMPACT

REAR IMPACT (WHIPLASH)
2 pts
- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

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
TEST RESULTS

CHILD OCCUPANT

18 MONTH OLD CHILD
Restrain | Britax Römer Baby Safe Plus
Group | 0, 0+
Facing | rearward
Installation | ISOFIX anchorages and support frame

FRONTAL IMPACT
Head forward movement | protected
Head acceleration | good
Chest load | fair

SIDE IMPACT
Head containment | protected
Head acceleration | good

3 YEAR OLD CHILD
Restrain | Britax Römer Duo Plus
Group | 1
Facing | forward
Installation | ISOFIX anchorages and top tether

FRONTAL IMPACT
Head forward movement | protected
Head acceleration | good
Chest load | good

SIDE IMPACT
Head containment | protected
Head acceleration | good

VEHICLE BASED ASSESSMENT
Total 13 pts | 37%

Airbag warning Label | Text and pictogram label on passenger sun visor

PEDESTRIAN
Total 13 pts | 37%

SAFETY ASSIST
Total 6 pts | 84%

SPEED LIMITATION ASSISTANCE
- active, standard | Pass

ELECTRONIC STABILITY CONTROL (ESC)
- ESP | Pass
Yaw rate ratio (1.00s) | 6.76 %
Yaw rate ratio (1.75s) | 2.81 %
Lateral displacement (1.07s) | 2.93 m

SEATBELT REMINDER
- driver | Pass
- passenger | Pass
- rear | Not assessed
Details of Tested Car

Specifications

<table>
<thead>
<tr>
<th>Tested model</th>
<th>Renault Fluence ZE, 'Expression', LHD</th>
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</thead>
<tbody>
<tr>
<td>Body type</td>
<td>4 door saloon</td>
</tr>
<tr>
<td>Year of publication</td>
<td>2011</td>
</tr>
<tr>
<td>Kerb weight</td>
<td>1569kg</td>
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<tr>
<td>VIN from which rating applies</td>
<td>applies to all Fluence ZE of the specification tested</td>
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</tbody>
</table>

Safety Equipment

| Front seatbelt pretensioners | dual pretensioners |
| Front seatbelt load limiters | single stage       |
| Driver frontal airbag        | single stage       |
| Front passenger frontal airbag | single stage     |
| Side body airbags            |                     |
| Side head airbags            | active              |
| Speed Limitation Assistance  |                     |
| 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.