Lexus CT200h, 1.8 petrol-hybrid ‘Comfort’ grade, RHD

ADULT OCCUPANT

Total 34 pts | 94%

FRONTAL IMPACT

15.1 pts

Driver airbag contact: stable
Passenger airbag contact: stable

CHEST

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

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard: none
Concentrated loads on knees: none

LOWER LEGS AND FEET

Footwell Collapse: none
Rearward pedal movement: none
Upward pedal movement: accelerator - 56mm

SIDE IMPACT

8 pts

Car

Pole

REAR IMPACT (WHIPLASH)

3.5 pts

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

WHIPLASH

Seat description: Standard cloth, 6 way manual
Head restraint type: Passive
Geometric assessment: 1 pts

TESTS

- High severity: 2.4 pts
- Medium severity: 2.7 pts
- Low severity: 2.5 pts
CHILD OCCUPANT

18 MONTH OLD CHILD
Restraint: Lexus G0+ Baby Safe Plus
Group: 0+
Facing: rearward
Installation: Adult seatbelt

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

SIDES IMPACT
Head containment: protected
Head acceleration: good

Performance:
- INSTRUCTIONS: 4 pts
- INSTALLATION: 2 pts

3 YEAR OLD CHILD
Restraint: Lexus Duo+
Group: 1
Facing: forward
Installation: ISOFIX anchorages and top tether

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

SIDES IMPACT
Head containment: protected
Head acceleration: good

Performance:
- INSTRUCTIONS: 4 pts
- INSTALLATION: 2 pts

VEHICLE BASED ASSESSMENT
Airbag warning Label: 6 pts
Text and pictogram warning label permanently attached to both sides of the passenger sun visor

PEDESTRIAN
Total 20 pts | 55%

SAFETY ASSIST
Total 6 pts | 86%

Performance:
- SPEED LIMITATION ASSISTANCE: Not assessed
- ELECTRONIC STABILITY CONTROL (ESC): 3 pts
  - VSC: Pass
  - Yaw rate ratio (1.00s): 1.74%
  - Yaw rate ratio (1.75s): 1.48%
  - Lateral displacement (1.07s): 3.30 m

- SEATBELT REMINDER: 3 pts
  - driver: Pass
  - passenger: Pass
  - rear: Pass

HEAD: 13.5 pts
PELVIS: 0.2 pts
LEG: 6 pts
DETAILS OF TESTED CAR

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Tested model</th>
<th>Lexus CT200h, 1.8 petrol-hybrid 'Comfort' grade, RHD</th>
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</thead>
<tbody>
<tr>
<td>Body type</td>
<td>5 door hatchback</td>
</tr>
<tr>
<td>Year of publication</td>
<td>2011</td>
</tr>
<tr>
<td>Kerb weight</td>
<td>1410kg</td>
</tr>
<tr>
<td>VIN from which rating applies</td>
<td>applies to all CT200h of the specification tested</td>
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</tbody>
</table>

SAFETY EQUIPMENT

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Front seatbelt pretensioners</td>
<td></td>
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<tr>
<td>Front seatbelt load limiters</td>
<td></td>
</tr>
<tr>
<td>Driver frontal airbag</td>
<td>dual stage</td>
</tr>
<tr>
<td>Front passenger frontal airbag</td>
<td>dual stage</td>
</tr>
<tr>
<td>Side body airbags</td>
<td></td>
</tr>
<tr>
<td>Side head airbags</td>
<td></td>
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<tr>
<td>Driver knee airbag</td>
<td></td>
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<tr>
<td>Electronic Stability Control</td>
<td></td>
</tr>
<tr>
<td>Seatbelt Reminder</td>
<td></td>
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</tbody>
</table>

COMMENTS

Adult occupant
The passenger compartment of the CT200h remained stable in the frontal impact. Knee airbags for the driver and passenger provided good protection to the knees and femurs. Lexus were able to show that a similar level of protection would be provided to occupants of different sizes and to those sat in different seating positions. Maximum points were scored in the side barrier impact, with all body regions being well protected. In the more severe side pole impact, chest protection was rated as marginal, based on dummy readings of rib deflections. Protection against whiplash injuries in the event of a rear-end collision was rated as good.

Child occupant
In the dynamic tests, the CT200h scored well for its protection of both the 3 year and 18 month dummies. The front passenger airbag can be disabled to allow a rearward-facing restraint to be used safely in that seating position. Information on the switch and in the dashboard provided clear indication to the driver about the status of the airbag and the system was rewarded by Euro NCAP.

Pedestrian
The bumper provided good protection to pedestrians' legs, scoring maximum points in Euro NCAP's tests. However, the front edge of the bonnet was poor in nearly all of the areas tested. In most areas likely to be struck by the head of a child the bonnet offered a good level of protection but, while good in places, was rated as poor or marginal in most areas where an adult's head might strike.

Safety assist
Electronic Stability Control is standard equipment on the CT200h and met Euro NCAP's requirements. A seatbelt reminder system is provided as standard for the driver, front passenger and rear seats.