

ANCAP Safety Rating

FORD FALCON (From November 2014)



Test Vehicle(s).

| | |
|--------------------------------|----------------------|
| Test Variant: | Ford Falcon FG sedan |
| Kerb Mass: | 1710 kg |
| Built: | 2008 |
| Engine: | 4.0 litre |
| Category: | Large Car |
| Variant Applicability*: | All variants |



Frontal offset test at 64 km/h

| Airbags | ESC | Frontal Offset | Side Impact | Pole | Whiplash | Pedestrian | Seat Belt Reminders | Overall Score | ANCAP Safety Rating |
|-----------------------|----------|-----------------------------|-----------------------------|------------------------|-------------|-----------------|------------------------|-----------------------------|---------------------|
| Frontal + Side + Head | Standard | 14.61 (out of 16) | 16.00 (out of 16) | 2 (out of 2) | GOOD | MARGINAL | 2 (out of 3) | 34.61 (out of 37) | ★★★★★ |

The Ford Falcon FG X sedan was introduced in Australia and New Zealand in late 2014. This ANCAP safety rating is based on ANCAP tests conducted in 2008 and technical information provided by Ford. This rating applies to all variants.

Dual frontal, side chest and side head airbags (curtains) are standard. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Advanced seat belt reminders are fitted to both front seats.

In the frontal offset crash test, driver chest and leg protection were acceptable. Passenger chest and leg protection were also acceptable. Driver protection in the side impact test was good. Head protection in the side pole test was good.

OCCUPANT PROTECTION

Frontal Offset Test.

Each body region is scored out of 4 points

| | |
|--------------|-------------|
| Head / neck: | 4.00 points |
| Chest: | 2.92 points |
| Upper legs: | 4.00 points |
| Lower legs: | 3.69 points |

The passenger compartment held its shape well in the frontal offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. All doors remained closed during the crash. After the crash, all doors could be opened with normal effort.

Side Impact Test.

Each body region is scored out of 4 points

| | |
|----------|-------------|
| Head: | 4.00 points |
| Chest: | 4.00 points |
| Abdomen: | 4.00 points |
| Pelvis: | 4.00 points |

Good protection was provided for the driver in the side impact test. The side airbags performed well.

Pole Test.

Scored out of 2 points

The vehicle was eligible for a side pole test because it has side curtain airbags. The vehicle scored the maximum 2 points for head protection in this test.

Whiplash Protection Test.

Whiplash protection is assessed to the RCAR Protocol

| | |
|--------------------------|------|
| Geometric test: | GOOD |
| Dynamic test: | GOOD |
| Overall whiplash rating: | GOOD |

Injury Outcomes.

Frontal Offset
Driver

Passenger

Side Impact & Pole
Driver



Whiplash



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PEDESTRIAN PROTECTION

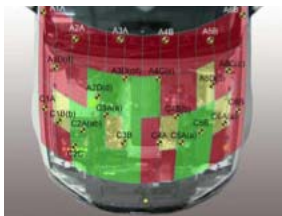
Pedestrian Test.

MARGINAL - Scored 10.95 out of 36 points

Child head impacts: 7.25 points
 Adult head impacts: 2.10 points
 Upper leg impacts: 0.00 points
 Lower leg impacts: 1.60 points

The bonnet had some good results for head protection but most tested points were poor. The bonnet leading edge was poor. The bumper provided a mixture of acceptable and poor protection. (v4.1)

Child and adult head impact



Adult leg impact (upper and full legforms)



Ford Falcon FG X Sedan

SAFETY FEATURES

These specifications are subject to change. Please check with manufacturer for the latest specifications. For a description of these safety features and safety rating requirements see the ANCAP Rating Road Map.

| Safety Assist Technology (SAT) | Availability |
|---|--------------|
| Front airbag - driver | S |
| Front airbag - passenger | S |
| Side airbags (chest protection) - front seats | S |
| Side airbags (head protection) - front seats | S |
| Side airbags (head protection) - 2nd row seats | S |
| Knee airbag - driver | X |
| Three-point seat belts for all forward facing seats | S |
| Seat belt pretensioners (front / rear outboard) | S / X |
| Intelligent seat belt reminder - driver | S |
| Intelligent seat belt reminder - front passenger | S |
| Intelligent seat belt reminder - 2nd row seats | X |
| Head restraints for all seats | X |
| Antilock brakes (ABS) | S |
| Electronic brake distribution (EBD) | S |
| Emergency brake assist (EBA) | S |
| Electronic stability control (ESC) | S |
| Adaptive cruise control (ACC) | X |
| Autonomous emergency braking (AEB) | X |
| Lane support system | X |
| Automatic emergency call (eCall)* | S |
| Emergency stop signal (ESS) | S |
| Automatic headlights | S |
| Daytime running lights | V |
| Fatigue reminder | S |
| Manual speed alarm | S |
| Reversing collision avoidance (camera) | S |

* Australia only.

S = Standard on all variants.
 O = Optional on base variant. May be standard on higher variants.
 V = Not available on base variant but standard or optional on higher variants.
 X = Not available on any variant.
 E = Available in Europe but not available on any Australasian variant.



INJURY MEASUREMENTS

| Body Region | Frontal offset test at 64 km/h (v4.1) | | Side impact test at 50 km/h (v4.1) |
|------------------------------|---------------------------------------|-------------|------------------------------------|
| | Driver | Passenger | Driver |
| Head | | | |
| HIC | 201.00 | 282.00 | 117.00 |
| Acceleration (g for 3ms) | 40.60 | 44.20 | 50.90 |
| Neck | | | |
| Shear (kN) | 0.54 | 0.39 | - |
| Tension (kN) | 1.49 | 0.98 | - |
| Extension (Nm) | 17.10 | 17.00 | - |
| Chest | | | |
| Acceleration (g for 3ms) | - | - | - |
| Compression (mm) | 29.58 | 23.00 | 20.30 |
| Viscous criterion (m/s) | 0.11 | 0.07 | 0.23 |
| Abdomen | | | |
| Force (kN) | - | - | 0.74 |
| Pelvis | | | |
| Force (kN) | - | - | 1.61 |
| Upper legs | | | |
| Femur force left (kN) | 0.68 | 0.15 | |
| Femur force right (kN) | 0.11 | 0.37 | |
| Knee displacement left (mm) | 0.05 | 0.11 | |
| Knee displacement right (mm) | 0.09 | 0.62 | |
| Lower legs | | | |
| Force left (kN) | 1.93 | 1.36 | |
| Force right (kN) | 1.39 | 1.85 | |
| Index (upper / lower) left | 0.45 / 0.21 | 0.31 / 0.20 | |
| Index (upper / lower) right | 0.34 / 0.24 | 0.25 / 0.47 | |

INTRUSION MEASUREMENTS

Steering Column

| | |
|------------|------|
| Forwards: | 53mm |
| Downwards: | 47mm |
| Sideways: | 10mm |

Pedals

| | |
|-----------------------|------|
| Throttle (rearwards): | 29mm |
| Throttle (downwards): | 2mm |

| | |
|----------------------|-----|
| A-Pillar (forwards): | 2mm |
|----------------------|-----|

Note: Steering column and pedal movements are measured relative to the driver's seat.

SCORE DEDUCTIONS

Deductions from frontal offset test scores

No deductions for frontal offset test.

Deductions from side impact test score

No deductions for side impact test.

Deductions from pole test score

No deductions for pole test.

* For information about the application of ANCAP ratings to model variants see the ANCAP Variant Policy. In brief, ratings do not automatically extend to variants that have different body styles, engine configurations, driven wheels or occupant restraint systems (e.g. fewer airbags). In these cases ANCAP considers technical evidence submitted by manufacturers before deciding on extending a rating to additional variants of a model.

^ Refer ANCAP Rating Road Map (www.ancap.com.au/media).

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ANCAP

Crash testing for safety

AUSTRALASIAN
 NEW CAR ASSESSMENT
 PROGRAM