

# TOYOTA COROLLA

BUILT DECEMBER 1998



TESTED



PRE-CRASH



POST-CRASH

## OVERVIEW

The AE100 series Toyota Corolla hatch was first introduced in Australia and New Zealand in 1994 and remained in production as the 7th generation Corolla until 1999.

In 1994, ANCAP tested the AE100 series Toyota Corolla and awarded a MARGINAL rating in accordance with protocols at the time.

In 2017, ANCAP conducted a car-to-car test between the AE100 series (1998) Corolla and the ZRE180 series (2015) Corolla.

When originally on sale, a driver's airbag was available on the 1998 model as a AU\$990 option, but was not fitted to the vehicle tested in 2017.

Passenger airbags, side chest-protecting and side head-protecting (curtain) airbags were not offered. Seat belt pretensioners and load-limiters were not offered. An anti-lock braking system (ABS) was available as an option. Electronic stability control (ESC), emergency brake assist (EBA) and emergency brakeforce distribution (EBD) were not offered. Advanced seat belt reminders were not offered.

ANCAP SAFETY RATING

ZERO STARS

VEHICLE TYPE

Small Car

AIRBAGS

None fitted

SCORE

**00.40**

OUT OF 16 POINTS

## FRONTAL OFFSET TEST (64 KM/H)



Driver

Head / neck:	0.00 points
Chest:	0.40 points
Upper legs:	0.00 points
Lower legs:	0.00 points

The passenger compartment experienced catastrophic structural failure. The seat slider mechanism failed during the crash test resulting in the restraint system failing to restrain the dummy effectively.

Dummy readings indicated POOR protection of the driver head, neck, upper legs and lower legs. Driver chest compression indicated MARGINAL protection. A-pillar displacement was excessive.

Steering wheel displacement was excessive with 299mm of rearward movement towards the driver dummy. Pedal movement was also excessive with the brake pedal moving 553mm rearward towards the dummy. A gap opened between the driver's door and A-pillar. After the crash, the driver's door could not be opened and the dummy was dismantled in order to be removed from the car.



## RATING APPLICABILITY

VARIANT	BODY TYPE	ENGINE	DRIVETRAIN	AUS	NZ
Toyota Corolla ◆	5 door hatch	1.6 litre petrol	2WD	✓	✓

✓ COVERED BY THIS RATING    ✗ NOT COVERED BY THIS RATING    ◆ TESTED VARIANT

## SAFETY FEATURES & TECHNOLOGIES

SAFETY FEATURES & TECHNOLOGIES	AVAILABILITY
Seat belts (three-point) for all forward-facing seats	×
Seat belt pre-tensioners (front)	×
Seat belt pre-tensioners (rear outboard)	×
Intelligent seat belt reminder (driver)	×
Intelligent seat belt reminder (front passenger)	×
Intelligent seat belt reminder (2nd row seats)	×
Airbag - frontal (driver)	×
Airbag - frontal (passenger)	×
Airbags - side, chest protection (front seats)	×
Airbags - side, chest protection (2nd row seats)	×
Airbags - side, head protection (front seats)	×
Airbags - side, head protection (2nd row seats)	×
Airbag - knee (driver)	×
Airbag - knee (front passenger)	×
Head restraints for all seats	×
Adaptive cruise control (ACC)	×
Adaptive headlights	×
Anti-lock braking system (ABS)	○
Autonomous emergency braking (AEB) - City	×
Autonomous emergency braking (AEB) - Interurban	×
Autonomous emergency braking (AEB) - VRU	×
Attention assist / fatigue reminder	×
Automatic headlights	×
Automatic high beam	×
Blind spot monitor (BSM)	×
Electronic brakeforce distribution (EBD)	×
Electronic stability control (ESC)	×
Emergency brake assist (EBA)	×
Emergency stop signal (ESS)	×
Lane support systems (LSS)	×
Daytime running lights (DRL)	×
Hill launch assist	×
Reversing collision avoidance	×
Speed assistance - auto / intelligent speed limiter	×
Speed assistance - manual speed limiter	×
Speed assistance - speed sign recognition & warning	×
Tyre pressure monitoring system (TPMS)	×

~ Specifications & availability subject to change. Please check with the vehicle manufacturer for confirmation of vehicle specification.

- STANDARD
- NOT AVAILABLE ON BASE VARIANT BUT STANDARD OR OPTIONAL ON HIGHER VARIANTS
- OPTIONAL
- ×

### MODEL VARIANTS:

ANCAP safety 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 the extension of a rating to additional variants of a model.

### RATING YEAR (DATESTAMP):

The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and, for vehicles rated from 2018, the Rating Year is the year in which the vehicle was tested.

## INJURY VALUES & MEASUREMENTS

BODY REGION	Frontal offset test at 64 km/h (v5.1)
	Driver
<b>HEAD</b>	
HIC	1628
Acceleration (g for 3ms)	112.7
<b>NECK</b>	
Shear (kN)	-0.79
Tension (kN)	4.37
Extension (Nm)	43.0
<b>CHEST</b>	
Acceleration (g for 3ms)	117.4
Compression (mm)	47.15
Viscous criterion (m/s)	0.82
<b>UPPER LEGS</b>	
Femur force left (kN)	14.62
Femur force right (kN)	9.67
Knee displacement left (mm)	15.49
Knee displacement right (mm)	1.92
<b>LOWER LEGS</b>	
Force left (kN)	6.21
Force right (kN)	9.54
Index (upper / lower) left	1.57 / 1.87
Index (upper / lower) right	1.41 / 1.96
<b>INTRUSION MEASUREMENTS<sup>+</sup></b>	
<b>STEERING COLUMN</b>	
Forward (mm)	299
Upward (mm)	76
Sideways (mm)	152
<b>PEDALS</b>	
Accelerator - rearward (mm)	553
Brake - upward (mm)	77
<b>A-PILLAR</b>	
Rearward (mm)	384

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

## ASSESSMENT DETAILS

TESTED MAKE / MODEL	TOYOTA COROLLA HATCH
TESTED VEHICLE(S) BUILT	December 1998
TESTED BODY TYPE	5 door hatch
TESTED VEHICLE ENGINE	1.6 litre petrol
RATING PUBLISHED	May 2017
RATING UPDATED	-