

# Crash Tests

## New Car Safety

### MITSUBISHI COLT

2006 on

Dual front airbags

#### Occupant Protection



**Occupant Protection Score 23.75 out of 37**

Variant: LS 5dr Hatch Eng: 1.5L CVT

Kerb weight: 1040 kg Category: SMALL CAR

Vehicles built: Dec 05 and Jan 06

#### Model History and Safety Features

The tested model of Mitsubishi Colt, with continuously variable transmission (CVT), was introduced in Australia in 2006.

Dual front airbags and ABS/EBD brakes are standard. Side and curtain airbags are optional and were not on the tested vehicles. Electronic stability control is standard on Ralliart but is not available on other variants.

The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pre-tensioners are fitted to the front seat belts to reduce slack in the event of a crash. A two point seat belt is fitted to the centre rear seat. This provides inferior protection compared with a three point seat belt.

#### OCCUPANT PROTECTION: 3 Stars

The Colt scored 11.87 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious leg injury was marginal for the driver and passenger. There was a moderate risk of serious chest injury for the passenger and a slight risk for the driver.

The vehicle scored 11.89 out of 16 in the side impact crash test. There was a moderate risk of serious chest injury for the driver.

#### FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.44 pts, upper legs 2 pts, lower legs 3.42 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 82 mm and downwards 46mm. The steering wheel hub moved rearwards 20 mm, upwards 51 mm and sideways 4 mm. The front ("A") pillar moved 38 mm rearwards. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

The airbag cushioned the head of the driver and contact was stable. The gear lever and steering column components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag.

#### SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4 pts, chest 0.66 pts, abdomen 3.23 pts, pelvis 4 pts.

The vehicle was not eligible for a Pole Impact Test since it did not have head-protecting side airbags. This test can earn eligible vehicles an extra two points.



Offset crash test at 64km/h

#### INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passn	Driver
Head HIC	568	137	231
Acceleration (g for 3ms)	64.9	28.9	64.4
Neck - Shear (kN)	0.33	0.69	-
Tension (kN)	2.13	0.79	-
Extension (Nm)	16.3	28.2	-
Chest Accln (g for 3ms)	49.5	32.0	-
Compression (mm)	29.10	32.90	28.70
Viscous criterion (m/s)	0.12	0.12	0.27
Abdomen - Force (kN)	-	-	1.290
Pelvis - Force (kN)	-	-	2.200
Upper legs Force			
Left (kN)	2.70	0.23	
Right (kN)	0.46	1.14	
Knee displ (mm)			
Left	1.47	0.17	
Right	0.11	0.50	
Lower legs Force			
Left (kN)	1.76	1.28	
Right (kN)	1.59	1.53	
Index (Upper/Low)			
Left	0.52 / 0.53	0.26 / 0.11	
Right	0.36 / 0.23	0.2 / 0.17	

#### Bonus points (maximum 5)

Pole Test: Not eligible      Seat belt reminders: Not fitted

#### Modifiers - offset test scores

Head      No deduction  
 Chest      No deduction  
 Upper leg Variable & conc. loading for driver and passenger      2 pt deduction R  
    Concentrated load for driver      1 pt deduction L  
 Lower leg      No deduction  
 Foot score      Score 4 points

#### Modifiers - side impact test scores

Chest T12 modifier      2 pt deduction

#### PEDESTRIAN PROTECTION RATING (v4.1)

Child head impacts	2.67	Upper leg impacts	Zero
Adult head impacts	5.00	Lower leg impacts	Zero
Total (out of 36)	7.67	★☆☆☆☆	



**ANCAP**  
Crash testing for safety

AUSTRALASIAN  
NEW CAR ASSESSMENT  
PROGRAM

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