

## Mazda 6

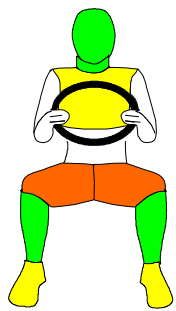


**2009**

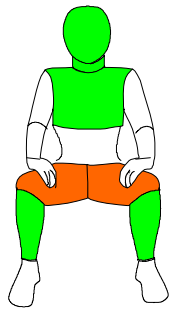
	Adult Occupant	Child Occupant	Pedestrian	Safety Assist	
Score	27.642	39.913	17.576	5.000	
Max Points available	36	49	36	7	
Normalised Score (%)	<b>77</b>	<b>81</b>	<b>49</b>	<b>71</b>	
Weighting (%)	50	20	20	10	<b>TOTAL</b>
Weighted Percentage Score	38.5	16.2	9.8	7.1	

### Rating Requirements (2009)

	Normalised Score (%)				TOTAL
★★★★★	75	70	25	60	70
★★★★	60	55	15	40	55
★★★	30	30	10	25	45
★★	25	25	5	15	35
★	15	15	0	5	20



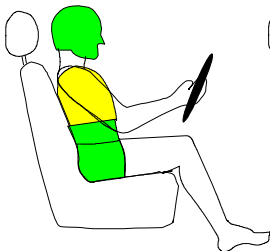
Driver



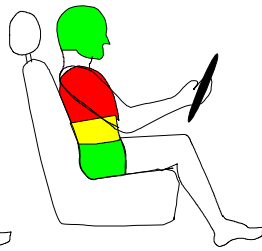
Passenger



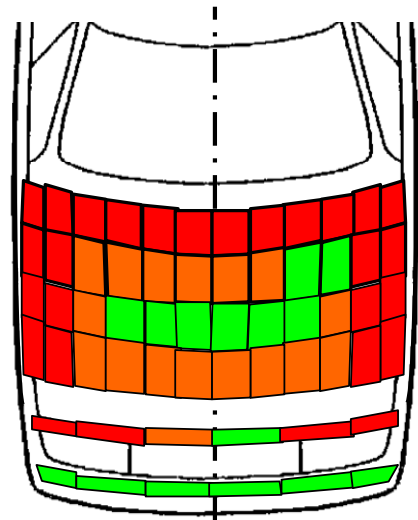
Rear Impact (Whiplash)



Side



Pole



TEST RESULTS IN FULL	
<b>FRONTAL IMPACT HEAD</b>	
Driver airbag contact	stable
Passenger airbag contact	stable
Steering Wheel	
rearward displacement	12mm
upward displacement	52mm
lateral displacement	13mm to the left
<b>FRONTAL IMPACT CHEST</b>	
Contact with steering wheel	none
Screen pillar rearward	8mm
Passenger compartment integrity	stable
<b>FRONTAL IMPACT UPPER LEGS, KNEES AND PELVIS</b>	
Stiffer structures present	yes: steering column and shroud; facia in region close to console; glovebox lid.
Concentrated knee loading	yes: facia in region close to console; glovebox lid.
<b>FRONTAL IMPACT LOWER LEGS, FEET AND ANKLES</b>	
Rearward pedal displacement	clutch - 121mm
Upward pedal displacement	none
Footwell rupture	none
<b>SIDE IMPACT AIRBAGS</b>	
Head protection airbag	yes
Torso protection airbag	yes
<b>CHILD PROTECTION</b>	
Restraints used	
18 month old	Britax Römer Baby Safe ISOFIX Plus, rearward facing using ISOFIX anchorages and support frame
3 year old	Britax Römer Duo Plus, forward facing using ISOFIX anchorages and top-tether
<b>CHILD RESTRAINTS FRONTAL IMPACT</b>	
Airbag disabling/warning label	Pictogram label on B-pillar. Text and pictogram label on driver's sun visor, visible in stowed position only.
Forward head movement	
18 mth old (behind passenger)	protected
3 year old (behind driver)	protected
Chest Protection	
18 mth old: total load	good
vertical load	good
3-year-old: total load	good
vertical load	good
<b>CHILD RESTRAINTS SIDE IMPACT</b>	
Head protection	
18 mth old (struck side)	protected
3 year old (non-struck side)	protected
Head acceleration	
18 mth old	good
3 year old	good

## CAR TESTED



<b>Make, model and hand of drive</b>	Mazda 6 2.0 petrol Exclusive/Active/TS, RHD
<b>Body type</b>	5 door hatchback
<b>Year tested</b>	2009
<b>Kerb weight</b>	1424kg
<b>Chassis number from which Euro NCAP rating applies</b>	JMZGH14F601153165
<b>Safety Equipment</b>	Driver and passenger single stage frontal airbags; side impact chest airbag; side impact head airbag; front seatbelt pretensioners and load limiters; ISOFIX and top-tether anchorages in rear outboard seats; driver, passenger and rear seatbelt reminder system; anti-whiplash head restraints; electronic stability control.

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## COMMENTS

<b>ADULT OCCUPANT</b>	<p>In the frontal impact, the passenger compartment remained stable despite some separation of the fascia cross-beam from the A-pillar. The steering column, the column shroud and the fascia in the region of the centre console posed a potential threat of injury to the driver's knees as did the glove box lid to the passenger.</p> <p>Protection of the chest in the side pole impact was rated as poor, owing to the extent to which the ribs were deflected. In the side impact, the car provided adequate protection to the chest and good protection to the other body areas assessed. Protection against whiplash injury was rated as marginal.</p>
<b>CHILD PROTECTION</b>	<p>The Mazda 6 scored maximum points for protection of the 3 year old, based on the dummy responses in the dynamic tests and lost only a fraction of a point for the 1½ year old. The passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. However, information provided to the driver about the status of the airbag is not sufficiently clear. The presence of ISOFIX anchorages in the rear outboard seats was not clearly marked.</p>
<b>PEDESTRIAN PROTECTION</b>	<p>The bumper scored maximum points for the protection it offered to pedestrians' legs. The bonnet surface provided mostly poor protection in the area where an adult's head might hit and marginal protection in most of the areas likely to be struck by a child's head.</p>
<b>SAFETY ASSIST</b>	<p>Electronic Stability Control is fitted as standard equipment on all variants in all countries. The Mazda 6 has a seatbelt reminder system for the driver, passenger and rear seats. However, the system for the rear seats did not meet Euro NCAP's requirements so the car was rewarded for the driver and passenger positions only.</p>