

EUROPEAN NEW CAR
 ASSESSMENT PROGRAMME
Honda Insight Hybrid

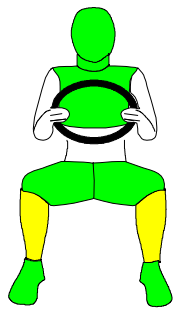


2009

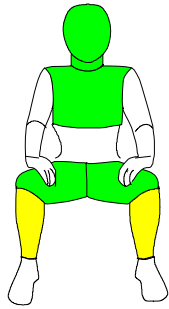
	Adult Occupant	Child Occupant	Pedestrian	Safety Assist	
Score	32.563	36.445	27.368	6.000	
Max Points available	36	49	36	7	
Normalised Score (%)	90	74	76	86	
Weighting (%)	50	20	20	10	TOTAL
Weighted Percentage Score	45.0	14.8	15.2	8.6	84

Rating Requirements (2009)

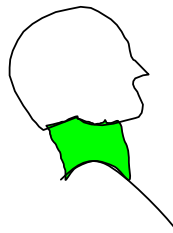
	Normalised Score (%)				TOTAL
★★★★★	75	70	25	60	70
★★★★	60	55	15	40	55
★★★	30	30	10	25	45
★★	25	25	5	15	35
★	15	15	0	5	20



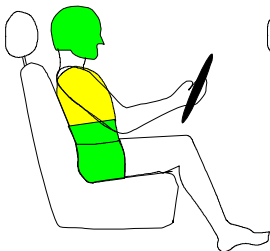
Driver



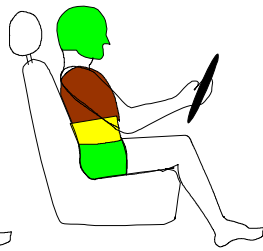
Passenger



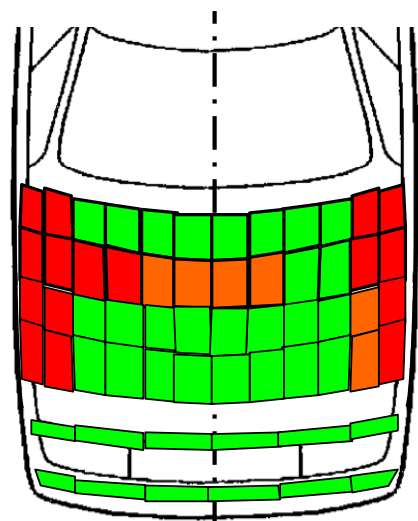
Rear Impact (Whiplash)



Side



Pole



TEST RESULTS IN FULL	
FRONTAL IMPACT HEAD	
Driver airbag contact	stable
Passenger airbag contact	stable
Steering Wheel	
rearward displacement	none
upward displacement	none
lateral displacement	7mm to the left
FRONTAL IMPACT CHEST	
Contact with steering wheel	none
Screen pillar rearward	3mm
Passenger compartment integrity	stable
FRONTAL IMPACT UPPER LEGS, KNEES AND PELVIS	
Stiffer structures present	none
Concentrated knee loading	none
FRONTAL IMPACT LOWER LEGS, FEET AND ANKLES	
Rearward pedal displacement	accelerator - 25mm
Upward pedal displacement	brake - 19mm
Footwell rupture	none
SIDE IMPACT AIRBAGS	
Head protection airbag	yes
Torso protection airbag	yes
CHILD PROTECTION	
Restraints used	
18 month old	Honda-branded Britax Römer Baby Safe ISOFIX Plus, rearward-facing using ISOFIX anchorages and support base
3 year old	Honda-branded Britax Römer Duo Plus, forward-facing using ISOFIX anchorages and top-tether
CHILD RESTRAINTS FRONTAL IMPACT	
Airbag disabling/warning label	Text and pictogram warning label permanently attached to both sides of the passenger sun visor.
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	fair
3-year-old: total load	fair
vertical load	good
CHILD RESTRAINTS SIDE IMPACT	
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



Make, model and hand of drive	Honda Insight, 1.3SE, RHD
Body type	5 door hatchback
Year tested	2009
Kerb weight	1240kg
Chassis number from which Euro NCAP rating applies	applies to all 2009 model year Insights
Safety Equipment	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; front and rear seatbelt reminder system; electronic stability control.



COMMENTS

ADULT OCCUPANT	The passenger cell remained stable in the impact. The protection offered to adult occupants was rated as good for all body areas except the lower legs, where protection was rated as adequate. The dummies indicated little risk of injury to the knees, femurs and pelvis and Honda were able to demonstrate that the dashboard would provide similar levels of protection to occupants of different stature and to those sat in different seating positions. Protection of the chest was adequate in the side barrier impact but rib deflections indicated weak protection in the more severe side pole test. Protection against whiplash injuries in rear impacts was good.
CHILD PROTECTION	Forward movement of the 3 year dummy's head, sat in a forward facing restraint, was not excessive in the frontal impact. In the side impact, both dummies were properly contained by the side of the restraint. No excessive forces or accelerations were measured by the dummies in the tests. 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 regarding the status of the airbag was not sufficiently clear. The potential dangers of using a rearward facing restraint in that seat without first disabling the airbag are clearly explained in a label which is permanently attached to the sun visor.
PEDESTRIAN PROTECTION	The Insight scored very highly for pedestrian protection. The front edge of the bonnet provided good protection to pedestrians' legs and scored maximum points. The bumper also scored maximum points. However, tests done outside of Euro NCAP's normal test area revealed structures which gave poor protection. Euro NCAP will soon broaden its test areas so that, in the future, such poor areas are included in a vehicle's score. The bonnet also offered good protection in most areas likely to be struck by a child's head.
SAFETY ASSIST	Electronic Stability Control (ESC) is standard in all left-hand drive countries. In some right-hand drive countries, ESC is currently optional on the base model but Honda hope soon to make it standard on all variants throughout the EU. The car has a seatbelt reminder system for both front and rear seats.

Euro NCAP's rating applies fully only to the model with the specifications detailed here. Some equipment may not be fitted as standard to all versions in all countries. You should ensure that your car is fitted with the safety equipment you require.

