

MITSUBISHI OUTLANDER PHEV



Variant
OUTLANDER PHEV

Year Built
2019

Model Year
2020

Vehicle Category
SUV

Engine Capacity
2.4 L

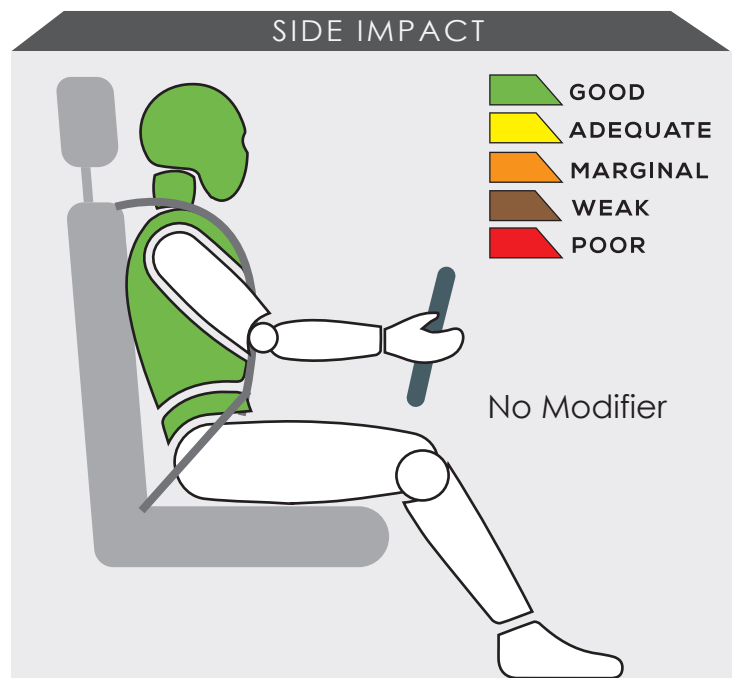
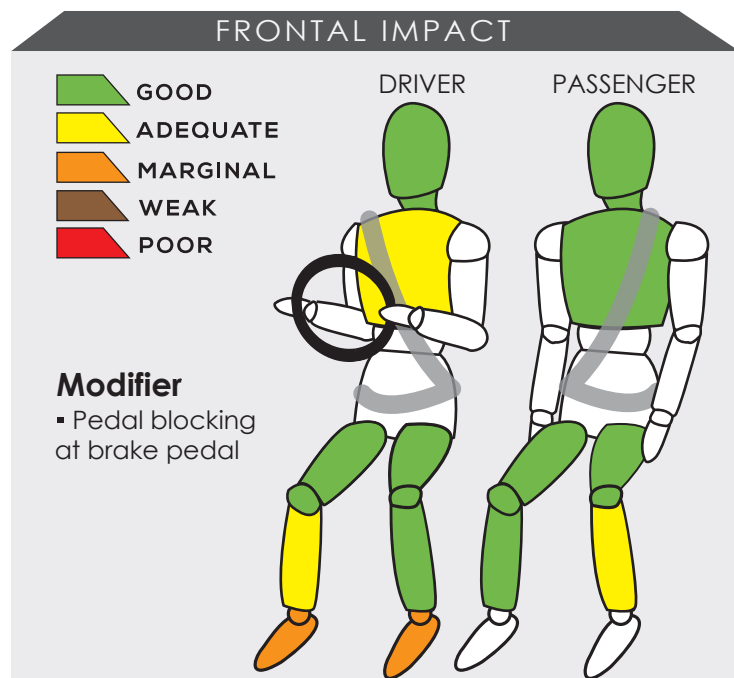
Kerb Mass
1880 kg

No. of Airbags
7

Test Lab
JARI

TESTED VARIANT ORIGIN	JAPAN	FOR	INDONESIA, PHILIPPINES
OTHER ASEAN PRODUCTION (ALL VARIANTS)	THAILAND	FOR	THAILAND











ADULT OCCUPANT PROTECTION	FRONTAL IMPACT	SIDE IMPACT	HEAD PROTECTION TECHNOLOGY	TOTAL
	12.72	16.00	4.00	32.72



The passenger compartment remained stable during the frontal offset test. Dummy readings showed good protection for both the driver and passenger. Nevertheless, there was adequate protection given to the driver's chest, driver's right and passenger's left legs.

The performance of HPT was confirmed with additional deployment test and its score was determined based on Fitment Rating System (FRS).

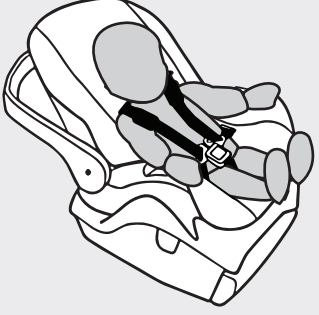

SAFETY ITEMS (PASSIVE)

ITEMS		COUNTRIES									
											
Airbags	Driver	NS	S	NS	NS	NS	NS	S	NS	S	NS
	Passenger	NS	S	NS	NS	NS	NS	S	NS	S	NS
	Side (2)	NS	S	NS	NS	NS	NS	S	NS	S	NS
	Curtain (2)	NS	S	NS	NS	NS	NS	S	NS	S	NS
	Knee (1)	NS	S	NS	NS	NS	NS	S	NS	S	NS
Seatbelts	Retractor Pre-tensioner & Load Limiter for Driver	NS	S	NS	NS	NS	NS	S	NS	S	NS
	Retractor Pre-tensioner & Load Limiter for Passenger	NS	S	NS	NS	NS	NS	S	NS	S	NS

S: Standard on all variants, O: Optional on base; Standard on higher variants, X: Not available, TBA: To be advised, NS: Not sold

CHILD OCCUPANT PROTECTION	DYNAMIC TEST	VEHICLE BASED	INSTALLATION	TOTAL
	23.46	7.00	11.35	41.81



DYNAMIC TEST ASSESSMENT	
18-MONTH-OLD CHILD	3-YEAR-OLD CHILD
Restraint : Britax Baby Safe Plus Facing : Rearward Facing Installation : ISOFIX & Supportleg	Restraint : Britax Duo Plus Facing : Forward Facing Installation : ISOFIX & Top Tether
	
Frontal Impact : 8.00 Side Impact : 4.00 Total Performance : 12.00	Frontal Impact : 7.46 Side Impact : 4.00 Total Performance : 11.46

CRS INSTALLATION ASSESSMENT

CRS	DIRECTION	SEAT POSITION						
		FRONT	2ND ROW			3RD ROW		
		PASSENGER	LEFT	CENTRE	RIGHT	LEFT	CENTRE	RIGHT
Maxi Cosi Cabriofix	Rwd	EXEMPT	PASS	PASS	PASS	N/A	N/A	N/A
Combi Malgot	Rwd	EXEMPT	PASS	FAIL	PASS	N/A	N/A	N/A
Combi Malgot	Fwd	PASS	PASS	PASS	PASS	N/A	N/A	N/A
Combi Buon Junior Air	Fwd	PASS	PASS	PASS	PASS	N/A	N/A	N/A
Britax Baby Safe Plus ISOFIX Base	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Maxi Cosi Milofix	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Maxi Cosi Milofix	Fwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Britax Duo Plus	Fwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Britax KidFix XP	Fwd	PASS	PASS	FAIL	PASS	N/A	N/A	N/A
Britax Baby Safe Plus ISOFIX Base*	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Britax Duo Plus*	Fwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A

PASS: Install without problem, FAIL: Safety critical problem, EXEMPT: Installation not allowed, N/A: Not available

*Manufacturer's selection

SAFETY ASSIST		EFFECTIVE BRAKING & AVOIDANCE 8.00	SEATBELT REMINDERS 3.00	BLIND SPOT TECHNOLOGY 1.38	ADVANCED SATs 2.00	TOTAL 14.38
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COUNTRIES										
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Effective Braking & Avoidance

ABS	NS	O	NS	NS	NS	NS	O	NS	O	NS
ESC	NS	O	NS	NS	NS	NS	O	NS	O	NS

Seatbelt Reminders

Driver	NS	O	NS	NS	NS	NS	O	NS	O	NS
Front Passengers	NS	O	NS	NS	NS	NS	O	NS	O	NS
Rear Passengers	NS	X	NS	NS	NS	NS	X	NS	X	NS

Blind Spot Technology

Nearside	NS	O	NS	NS	NS	NS	O	NS	O	NS
Offside	NS	O	NS	NS	NS	NS	O	NS	O	NS


Advanced Safety Assist Technologies

AEB City	NS	O	NS	NS	NS	NS	O	NS	O	NS
AEB Inter-Urban	NS	O	NS	NS	NS	NS	O	NS	O	NS
AEB VRU	NS	O	NS	NS	NS	NS	O	NS	O	NS
Lane Departure Warning System	NS	X	NS	NS	NS	NS	X	NS	X	NS
Forward Collision Warning System	NS	O	NS	NS	NS	NS	O	NS	O	NS
Lane Keep Assist	NS	X	NS	NS	NS	NS	X	NS	X	NS

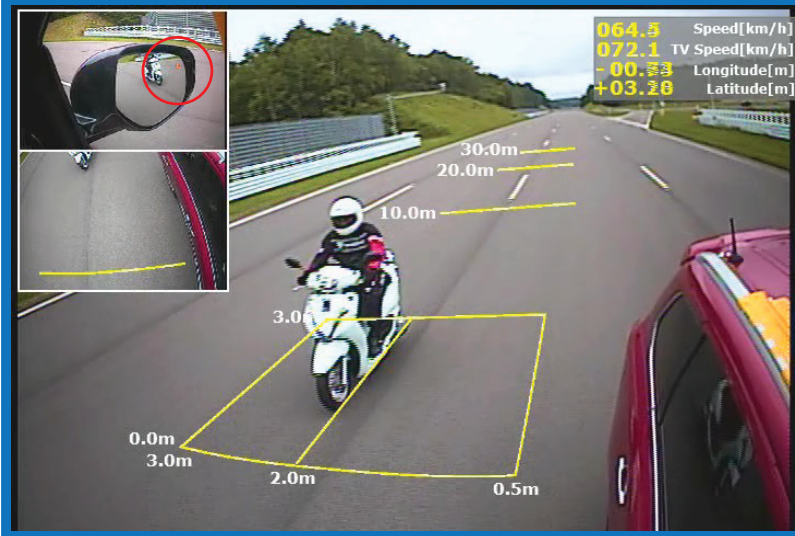
O : Available, X : Not available, TBA : To be advised, NS : Not sold

OVERALL RATING

The Mitsubishi Outlander Plug-in Hybrid Electric Vehicle (PHEV) is the first of such a vehicle that ASEAN NCAP tested and the seventh of Mitsubishi brand. The new Outlander PHEV performed remarkably well in all of the three assessed domains. Mitsubishi has made significant improvements to the SUV model with the availability of several safety assist technologies. The inclusion of these technologies particularly blind spot shows manufacturers are aligning their products with ASEAN NCAP aspiration to reduce collision with motorcycles on the road. In addition, as a PHEV, the Outlander PHEV will be cost effective to the user as it consumes less fossil and subsequently reduces emission. By obtaining an overall score of 86.75 points, the new Mitsubishi Outlander PHEV is awarded with 5-Star ASEAN NCAP rating.

	AOP			COP			SAFETY ASSIST			2017 - 2020 ASEAN NCAP RATING
	Item	Point	Max	Item	Point	Max	Item	Point	Max	
	ODB	12.72	16.00	FRONTAL	15.46	16.00	EBA	8.00	8.00	5
	SIDE	16.00	16.00	SIDE	8.00	8.00	SBR	3.00	6.00	
	HPT Evaluation	4.00	4.00	Installation	11.35	12.00	BST	1.38	2.00	
				Vehicle Based	7.00	13.00	Advanced SATs	2.00	2.00	
Score		32.72	36.00		41.81	49.00		14.38	18.00	OVERALL SCORE
Normalized Score		0.91			0.85			0.80		
Weighting		50%			25%			25%		
Weighted Score		45.45			21.33			19.97		
Maximum Star Rating		5			5			5		5

BLIND SPOT TECHNOLOGY ASSESSMENT



ASEAN NCAP has introduced Blind Spot Technology (BST) in its new 2017-2020 protocol. In the protocol, ASEAN NCAP assessed the functionality of each BST that are fitted inside the vehicle. The new Mitsubishi Outlander PHEV is equipped with BST as a standard fitment in the Indonesia market whilst the technology is offered as optional on both sides for the Philippines and Thailand market. In this assessment, ASEAN NCAP confirms that the technology has functioned according to ASEAN NCAP requirements on both the left and right side area of the vehicle.

