



Opel/Vauxhall Mokka-e
Advanced Lane Keep Assist

2021

ENTRY



ASSISTANCE
COMPETENCE



57%

SAFETY
BACKUP



44%

SPECIFICATION

SYSTEM NAME	Advanced Lane Keep Assist
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	●
AEB Vulnerable Road User	●
Lane Support Systems	●
Speed Assistance Systems	●

Comments

Opel/Vauxhall's appropriately named Advanced Lane Keep Assist accurately portrays system functionality. The promotional material and the handbook correctly indicate the limitations of the system capabilities. Status information is clear, but the Mokka-e does not offer a head-up display showing the system status in the driver's direct line of sight. Opel/Vauxhall did not equip the Mokka-e with an internal camera and the car relies only on steering wheel input for Driver Monitoring. The system balances driver steering input with lane guidance, promoting co-operative driving.

The Mokka-e uses only real-time camera inputs to manage fixed, variable and temporary speed limit signs. The system cannot adapt speed for upcoming road features such as curves and junctions. The Mokka-e avoids a collision with moving vehicles in the ACC test scenarios but responds to stopped cars only at the lower test speeds and requires AEB interventions in the more critical cut-in and cut-out tests.

The driver is supported through the S-Bend but the system stays centred in the lane only at the lowest test speed. The vehicle does not have an Active Blindspot system designed to prevent lane changing into adjacent vehicles. A lane-change assist function is not available. In case of an unresponsive driver, the Opel/Vauxhall deactivates the system leaving the vehicle without control. If the radar or camera are blocked the Mokka-e provides a timely warning and prevents system activation in most situations.

The Opel/Vauxhall Mokka-e provides the essential functionality required for Vehicle Assistance which is balanced with a similar level of Driver Engagement but lacks the sophistication of more advanced systems resulting in an Entry level grading.

ASSISTANCE COMPETENCE

Total 57%

DRIVER ENGAGEMENT

67.9 / 100 PTS

CONSUMER INFORMATION 20.0 / 25 Pts

SYSTEM NAME	Advanced Lane Keep Assist
MARKETING MATERIAL	Advanced Lane Keep Assist Opel/Vauxhall Viewed 12 November 2021
QUICK START GUIDE	
VEHICLE HANDBOOK	Viewed 12 November 2021

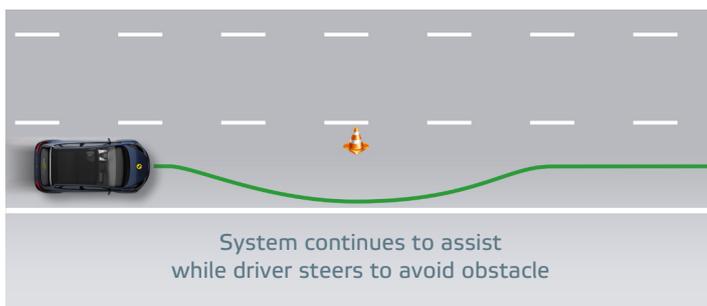
SYSTEM STATUS 14.9 / 25 Pts

Continuous System Status Indicator	
System Status Change Indicator	

DRIVER MONITORING 10.0 / 25 Pts

DRIVING COLLABORATION 23.0 / 25 Pts

Steering to avoid an obstacle



GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

ASSISTANCE COMPETENCE

Total 57%

VEHICLE ASSISTANCE

57.5 / 100 PTS

SPEED ASSISTANCE



10.0 / 25 Pts

SPEED ASSIST SYSTEMS

Vehicle response to fixed Speed limits	Start slowing down after sign
Vehicle response to variable Speed limits	Start slowing down after sign

ROAD FEATURES

Speed adaptation for corners



Speed adaptation for roundabouts



Speed adaptation for junctions



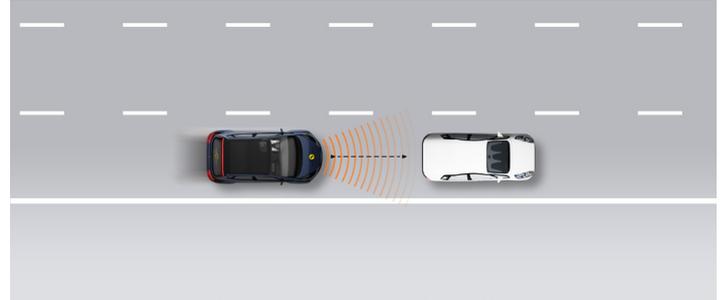
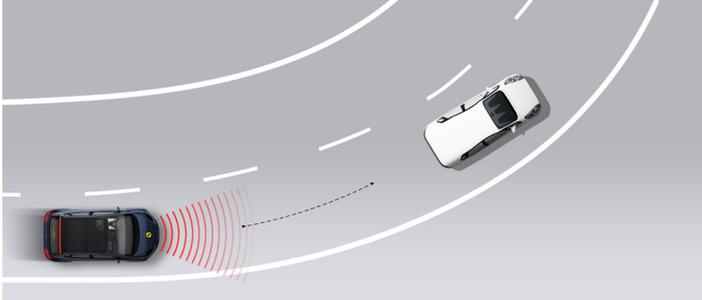
FITTED TO THE VEHICLE NOT AVAILABLE

ASSISTANCE COMPETENCE

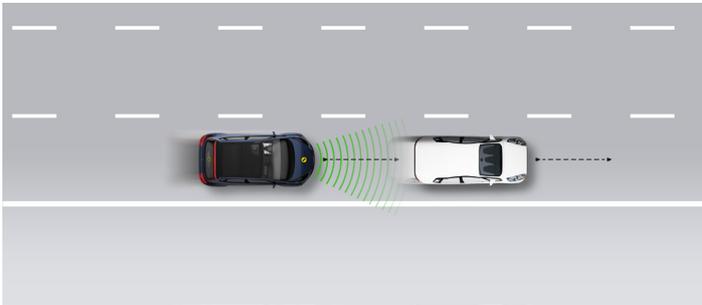
Total 57%

ADAPTIVE CRUISE CONTROL PERFORMANCE 22.5 / 40 Pts

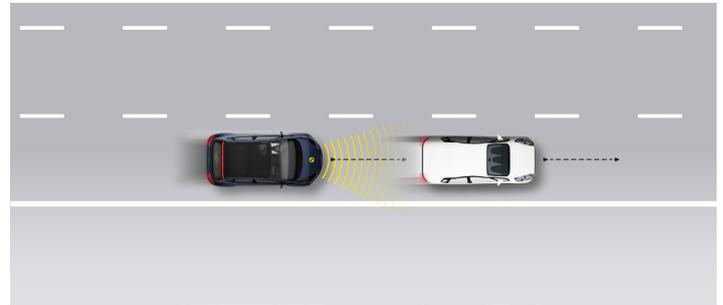
Approaching a stationary car



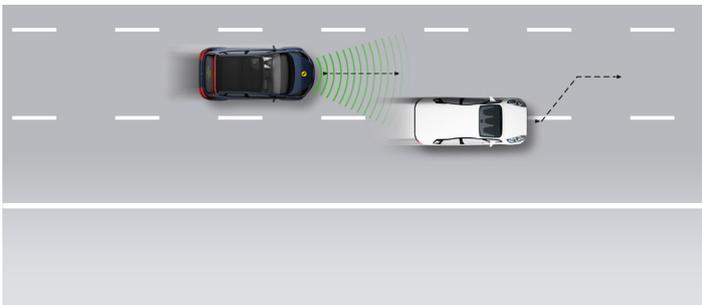
Approaching a slower moving car



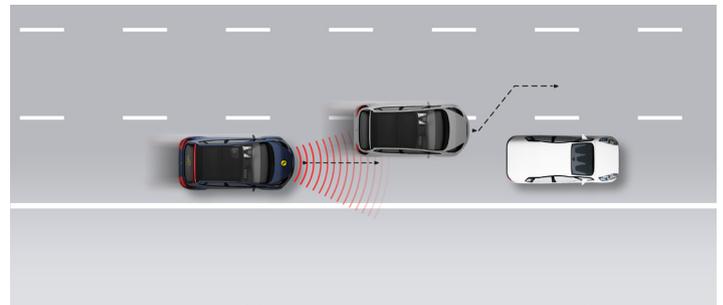
Approaching a braking car



Car cutting-in in front



Car cutting-out in front



UNDERTAKE PREVENTION	
Undertake prevention at speeds over 90 km/h	✗

ADAPTIVE CRUISE CONTROL AUTO-RESUME	
Assistance maintained after coming to a full stop	●
System assistance maintained by	Automatic resume within 5s of stop and driver input required over 5s

ASSISTANCE COMPETENCE

Total 57%

STEERING ASSISTANCE 25.0 / 35 Pts

Steering in an S-curve



80 km/h	●
100 km/h	●
120 km/h	●

Lane Change Assist	✘
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SAFETY BACKUP

Total 44%

SYSTEM FAILURE 18.5 / 25 Pts

	ENGAGEMENT	WARNING
SENSOR BLOCKED AT START-UP		
Camera	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
Radar	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
SENSOR BLOCKED WITH VEHICLE IN MOTION, SYSTEM INACTIVE		
Camera	System can NOT be engaged after a 5 minute drive	Visual Warning within 5 minutes after sensor blocking
Radar	after a 5 minute drive	after sensor blocking
SENSOR BLOCKED WITH VEHICLE IN MOTION, SYSTEM ACTIVE		
Camera	within 2 minutes after blocking	after sensor blocking
Radar	after sensor blocking	after sensor blocking

UNRESPONSIVE DRIVER INTERVENTION 0.0 / 25 Pts

Hands Off Warning Timeline

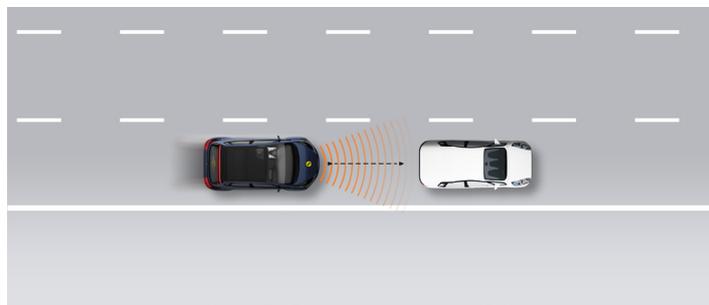
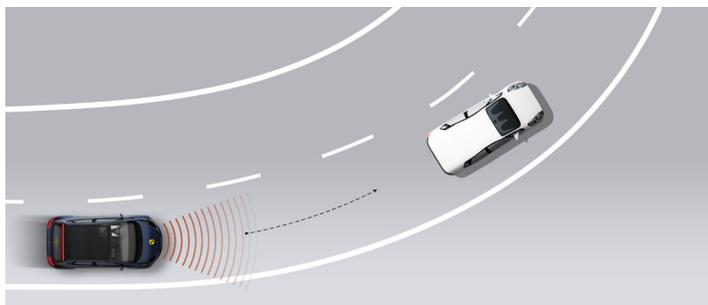


 SAFETY BACKUP

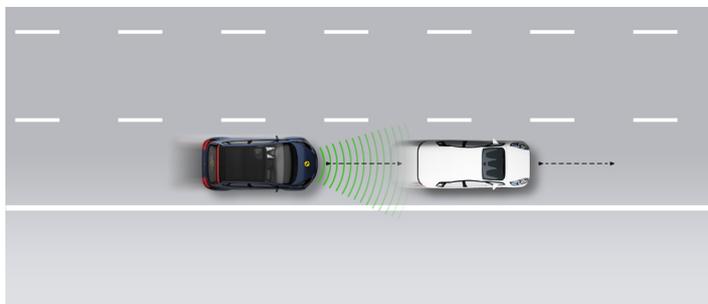
Total 44%

COLLISION AVOIDANCE		25.9 / 50 Pts
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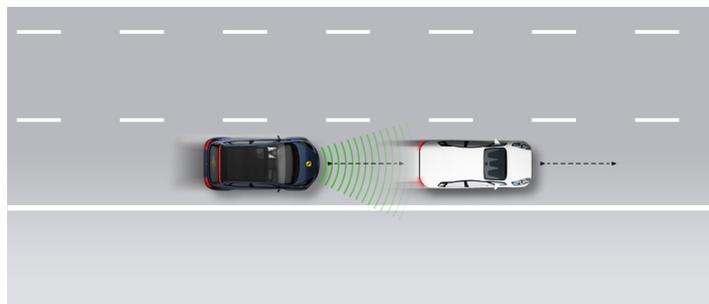
Approaching a stationary car



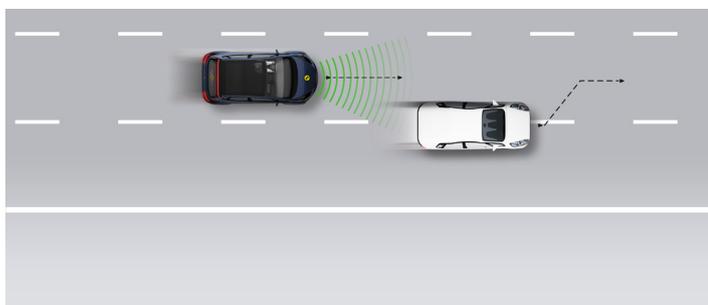
Approaching a slower moving car



Approaching a braking car



Car cutting-in in front



Car cutting-out in front

