



Mercedes-Benz CLA Standard Safety Equipment

2019





Adult Occupant



96%





91%

Vulnerable Road Users



91%



Safety Assist

75%

SPECIFICATION

Tested Model	Mercedes-Benz CLA 180, AMG Line, LHD
Body Type	- 4 door saloon
Year Of Publication	2019
Kerb Weight	1395kg
VIN From Which Rating Applies	- all CLAs
Class	Small Family Car

General comments

The Mercedes-Benz CLA shares its active safety technology with the A-Class, assessed by Euro NCAP in 2018. Hardware is the same and the two cars' systems perform equivalently. Accordingly, active safety results are based on those of the A-Class. As the front seats and head restraints are also identical, the results of the A-Class have also been used for rear-end whiplash protection. All full-scale crash tests have been repeated.

ADVANCED REWARDS

- 2011 Mercedes-Benz Attention Assist
- 2010 Mercedes-Benz PRE-SAFE®



SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	•	•	×
Belt pretensioner	•	•	•
Belt loadlimiter	•	•	•
Knee airbag	•	×	×
SIDE CRASH PROTECTION			
Side head airbag	•	•	
Side chest airbag	•	•	0
Side pelvis airbag	•	•	×
CHILD PROTECTION			
Isofix		×	•
Integrated CRS	_	×	×
Airbag cut-off switch	_	•	_
SAFETY ASSIST			
Seat Belt Reminder	•	•	•

OTHER SYSTEMS	
Active Bonnet (Hood)	•
AEB Pedestrian	•
AEB Cyclist	•
AEB City	•
AEB Inter-Urban	•
Speed Assistance System	•
Lane Assist System	•

Note: Other equipment may be available on the vehicle but was not considered in the test year.

- Fitted to the vehicle as standard Fitted to the vehicle as part of the safety pack
- O Not fitted to the test vehicle but available as option or as part of the safety pack X Not available Not applicable



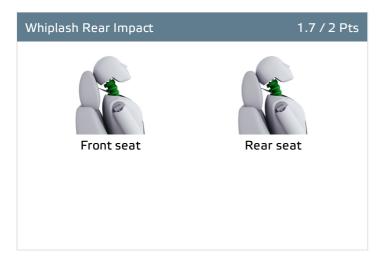


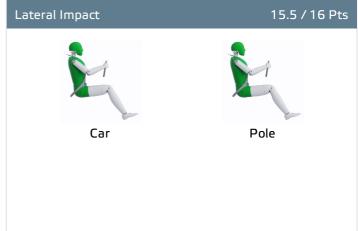
Total 36.6 Pts / 96%















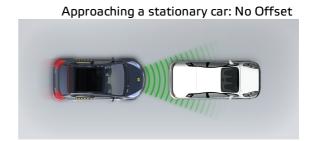
Total 36.6 Pts / 96%

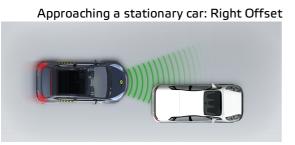


AEB City

4 / 4 Pts







/ersion 290819





Total 36.6 Pts / 96%

Comments

The passenger compartment of the CLA remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. Mercedes-Benz showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. In the full-width rigid barrier test, protection of all critical body areas was good or adequate for both the driver and the rear passenger. In the side barrier impact, dummy readings showed good protection of all body areas. However, the rear door on the impacted side of the car opened during the test and the score was penalised for the risk of occupant ejection. In the more severe side pole test, protection of the chest was adequate and that of other critical body regions was good. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric assessment of the rear seats also indicated good whiplash protection. The autonomous emergency braking (AEB) system performed well in tests of its functionality at the low speeds, typical of city driving, at which many whiplash injuries are caused, with collisions avoided or mitigated in all test scenarios.



Total 44.8 Pts / 91%



Crash Test Performance based on 6 & 10 year old children

23.8 / 24 Pts





Restraint for 6 year old child: *Mercedes-Benz Kidfix XP*Restraint for 10 year old child: *Booster Cushion*

Safety Features 9 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	×	•	×
i-Size	×	•	×
Integrated CRS	×	×	×

Fitted to test car as standard

O Not on test car but available as option

🗶 Not available

CRS Installation Check 12 / 12 Pts

Install without problem
Install with care
Safety critical problem
Installation not allowed

i-Size CRS











ISOFIX CRS









Universal Belted CRS











Total 44.8 Pts / 91%

	Seat Position			
	Front	2nd row		
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)		•		•
Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)		•		•
BeSafe iZi Kid X2 i-Size (iSize)		•		•
BeSafe iZi Flex FIT i-Size (iSize)		•		•
Maxi Cosi Cabriofix & FamilyFix (ISOFIX)		•		•
BeSafe iZ Kid X4 ISOfix (ISOFIX)		•		•
Britax Römer Duo Plus (ISOFIX)		•		•
Britax Römer KidFix XP (ISOFIX)		•		•
Maxi Cosi Cabriofix (Belt)	•	•	•	•
Maxi Cosi Cabriofix & EasyBase2 (Belt)	•	•	×	•
Britax Römer King II LS (Belt)	•	•	•	•
Britax Römer KidFix XP (Belt)	•	•	•	•

Install without problem

Install with care

Safety critical problem

🗶 Installation not allowed

Comments

In the frontal offset test, dummy readings showed good or adequate protection of all critical body areas for both the 6 and 10 year children. In the side barrier test, protection was good for all critical parts of the body, except for the head of the 10 year child, which was rated as adequate, based on readings of head acceleration. The CLA has a system that automatically recognises when a rearward-facing child restraint has been put in the front passenger seat and deactivates the airbag for that seating position. Mercedes-Benz showed that the system worked robustly and it was rewarded. All of the restraint types for which the CLA is designed could be properly installed and accommodated.





Total 44.1 Pts / 91%

GOOD	ADEQUATE	MARGIN	AL WEAK	POOR	
Pedestrian				32.3 / 36	Pts
			Head Impact	20.3 Pts	
			Pelvis Impact	6 Pts	
			Leg Impact	6 Pts	

11.8 / 12 Pts
Active Brake Assist
Auto-Brake with Forward Collision Warning
7 km/h

Comments

The CLA has an active, deployable bonnet. Sensors in the bumper detect when a pedestrian has been struck and actuators lift the bonnet surface to provide greater clearance to the stiff structures in the engine compartment. Mercedes-Benz showed that the system worked robustly for different pedestrian statures and across a wide range of speeds, so tests were performed with the bonnet in the raised position. Protection was good at almost all test locations on the bonnet. Protection was also good for the leg and pelvis areas of a struck pedestrian. The AEB system performed well in tests both of its pedestrian detection and its response to cyclists, with collisions avoided in nearly all test scenarios.



Total 44.1 Pts / 91%

AEB Pedestrian

Day time

Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside



Night time

Adult crossing the road



Adult along the roadside



AEB Cyclist

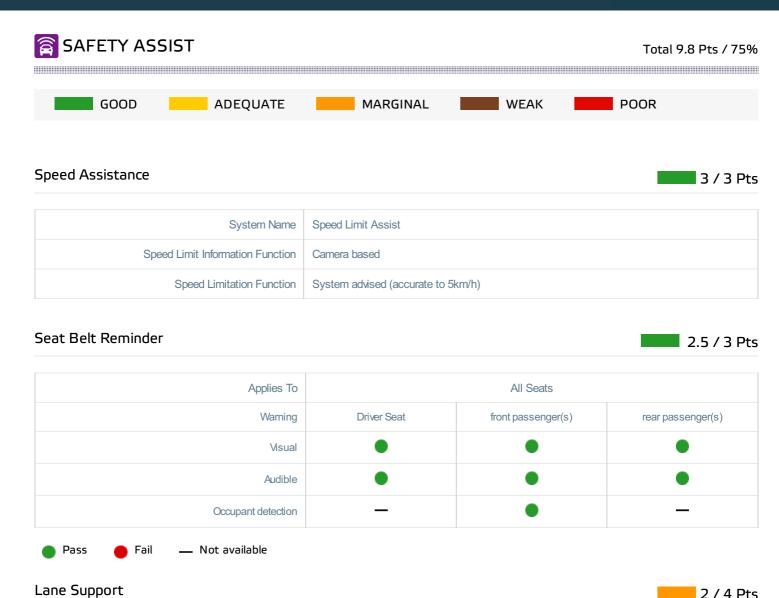
Cyclist crossing



Cyclist along the roadside







· ·	27110
System Name	Active Lane Keeping Assist
Туре	ELK + LKA (including LDW)
Operational From	60 km/h
PERFORMANCE	
Emergency Lane Keeping	ADEQUATE

MARGINAL

ADEQUATE

Lane Keep Assist

Human Machine Interface





Total 9.8 Pts / 75%

AEB Inter-Urban

2.4 / 3 Pts

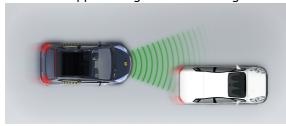
System Name	Active Brake Assist
Туре	Autonomous Emergency Braking and Forward Collision Warning
Operational From	7 km/h

Comments

The AEB system performed well in tests of its functionality at highway speeds. The lane assistance system performed marginally, with adequate performance for lane keeping assistance and emergency lane keeping but lacking a blind-spot monitoring system. The speed assistance system, comprising a camera-based speed limit detection system and driver-set speed limiter, was rated as good. The car has a seatbelt reminder system as standard for front and rear seats.

Autobrake function only

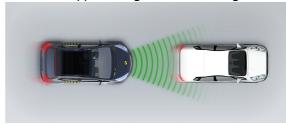
Approaching a slower moving car



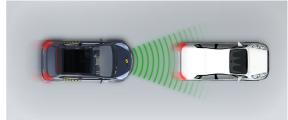
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car

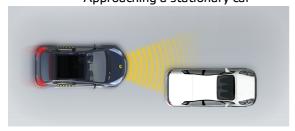




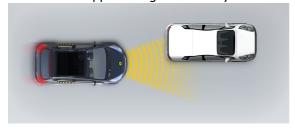
Total 9.8 Pts / 75%

Driver reacts to warning

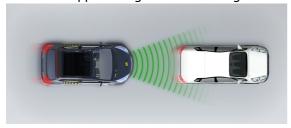
Approaching a stationary car



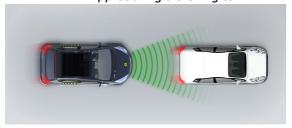
Approaching a stationary car



Approaching a slower moving car



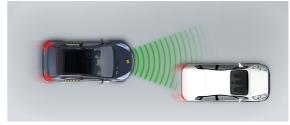
Approaching a braking car



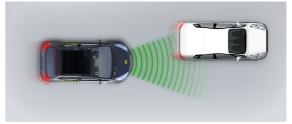
Approaching a stationary car



Approaching a slower moving car



Approaching a slower moving car





RATING VALIDITY

Variants of Model Range

Body Type	Engine & Transmission	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
				✓	
4 door saloon	1.46 diesel	CLA 180 d	4 X 2		~
4 door saloon	1.95 diesel	CLA 200 d / CLA 220 d	4 X 2	✓	~
4 door saloon	1.95 diesel	CLA 220d 4MATIC	4 X 4	✓	~
4 door saloon	1.33 petrol	CLA 180* / CLA 200	4 X 2	✓	~
4 door saloon	1.99 petrol	CLA 220 / CLA 250	4 X 2	✓	~
4 door saloon	1.99 petrol	CLA 220 4MATIC /	4 X 4	✓	~

^{*} Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome	
September 2019	Rating Published	2019 * * * * *	✓