EURO NCAP
FOR SAFER CARS

Audi Q8
Adaptive Cruise Assist

2020

VERY GOOD

| ASSISTANCE COMPETENCE | 78% |
| SAFETY BACKUP | 84% |

SPECIFICATION

SYSTEM NAME	Adaptive Cruise Assist
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	🟢
AEB Vulnerable Road User	🟢
Lane Support Systems	🟢
Speed Assistance Systems	🟢
ALSO AVAILABLE ON	A6 - A7 - A8 - Q7 - e-tron

Comments

Audi's appropriately named **Adaptive Cruise Assist** accurately portrays system functionality. The promotional material and the handbook correctly indicate the limitations of the system capabilities. Status information is clear, and the Q8 offers a head-up display showing the system status in the driver's direct line of sight. Audi did not equip the Q8 with an internal camera and relies only on steering wheel input for Driver Monitoring. The system balances driver steering input with lane guidance, promoting co-operative driving.

Audi combines map-based speed limit information with real time camera inputs to manage fixed, variable and temporary speed limit signs. The system adapts speed for upcoming road features such as curves and junctions. The Q8 responds to avoid a collision in most of the ACC test scenarios and requires AEB interventions in the more critical stopped vehicle, cut-in and cut-out tests. The driver is supported through the S-Bend, staying within the lane at all test speeds. The vehicle has 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 Audi performs a controlled stop in lane. If the radar or camera are blocked the Q8 provides a timely warning and prevents system activation.

The Audi Q8 excels in the level of Vehicle Assistance with a similar level of Driver Engagement resulting in a high-performing, balanced system.

ASSISTANCE COMPETENCE

Total   78%

DRIVER ENGAGEMENT

78.0 / 100 PTS

CONSUMER INFORMATION

20.0 / 25 Pts

| SYSTEM NAME	Adaptive Cruise Assist
MARKETING MATERIAL	🔗 Adaptive Cruise Assist | Audi Viewed 12 September 2020
QUICK START GUIDE	✖
VEHICLE HANDBOOK	📄 Viewed 12 September 2020

SYSTEM STATUS

25.0 / 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

System continues to assist
while driver steers to avoid obstacle
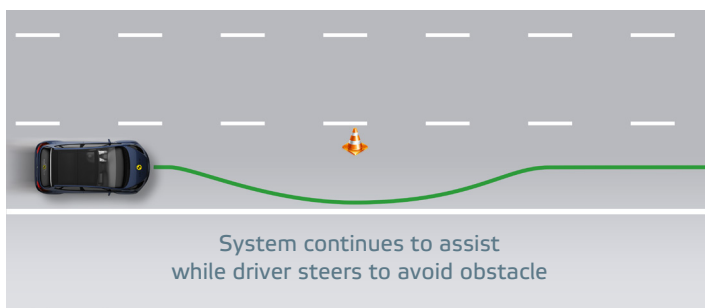
	GOOD		ADEQUATE		MARGINAL		WEAK		POOR

ASSISTANCE COMPETENCE

Total   78%

VEHICLE ASSISTANCE

84.0 / 100 PTS

SPEED ASSISTANCE

24.9 / 25 Pts

SPEED ASSIST SYSTEMS

Vehicle response to fixed Speed limits	At speed at sign
Vehicle response to variable Speed limits	Slowing down at sign

ROAD FEATURES

Speed adaptation for corners
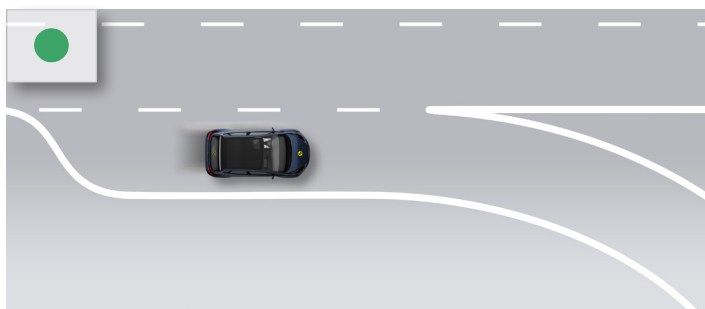
Speed adaptation for round-abouts
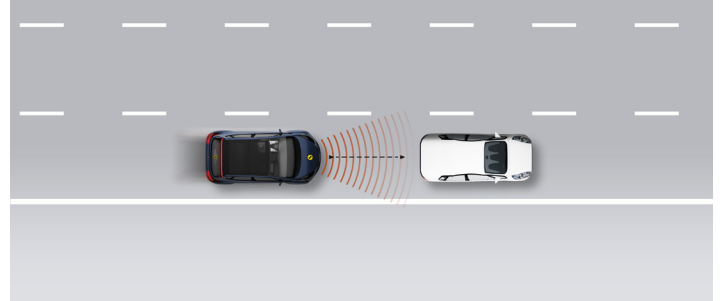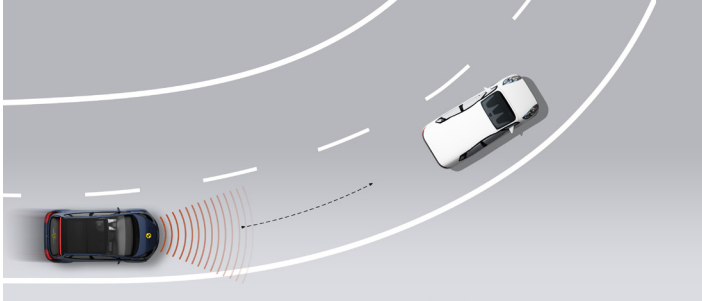

Speed adaptation for junctions

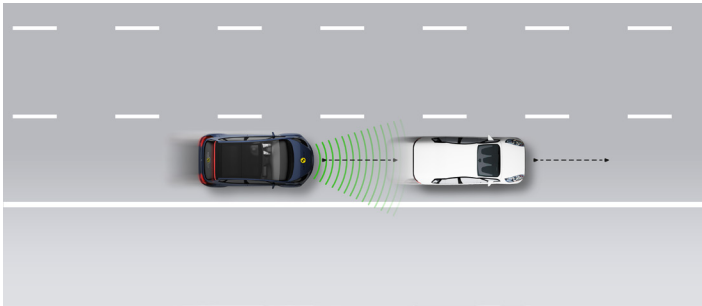● FITTED TO THE VECHILE   — NOT AVAILABLE

ASSISTANCE COMPETENCE

Total   78%

ADAPTIVE CRUISE CONTROL PERFORMANCE
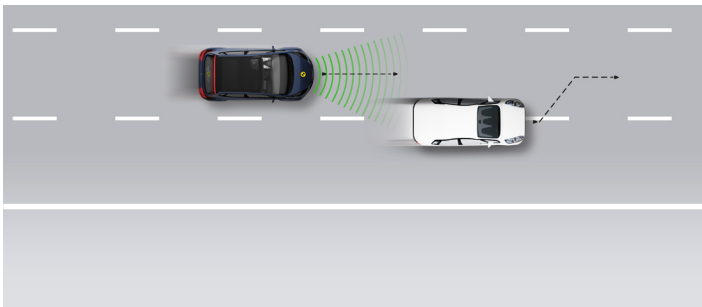29.1 / 40 Pts

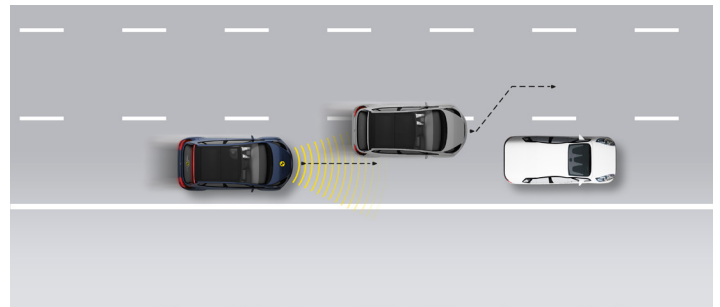Approaching a stationary car

Approaching a slower moving car

Approaching a braking car
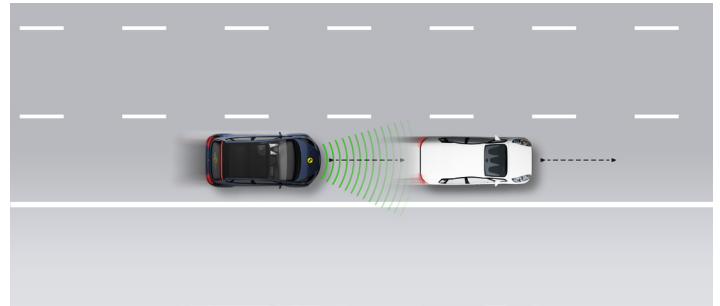
Car cutting-in in front

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 with collision prevention by external sensors

ASSISTANCE COMPETENCE

Total   78%

STEERING ASSISTANCE

30.0 / 35 Pts

Steering in an S-curve

120 km/h

80 km/h	🟢
100 km/h	🟢
120 km/h	🟢

Lane Change Assist	❌

SAFETY BACKUP

Total   84%

SYSTEM FAILURE   25.0 / 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	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 ACTIVE		
Camera	System cancels within 2 minutes after blocking	Visual Warning within 5 minutes after sensor blocking
Radar	System cancels after sensor blocking	Visual Warning within 5 minutes after sensor blocking

UNRESPONSIVE DRIVER INTERVENTION   20.0 / 25 Pts
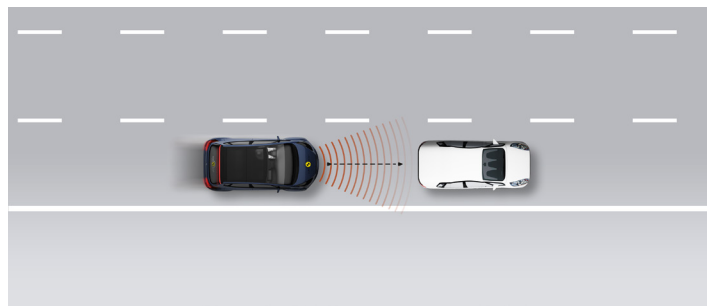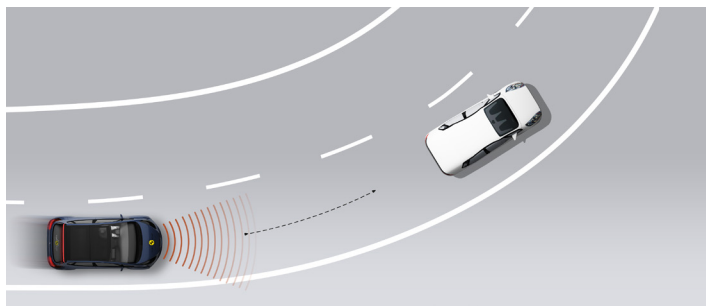
Hands Off Warning Timeline

0   time

Version 240920

SAFETY BACKUP

Total   84%

COLLISION AVOIDANCE   39.3 / 50 Pts

Approaching a stationary car

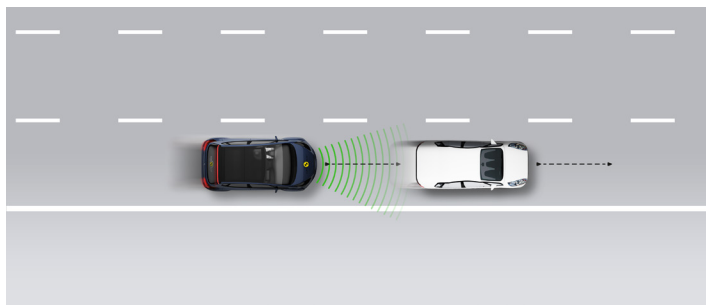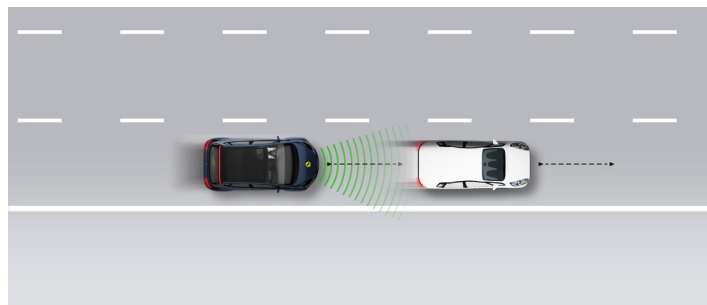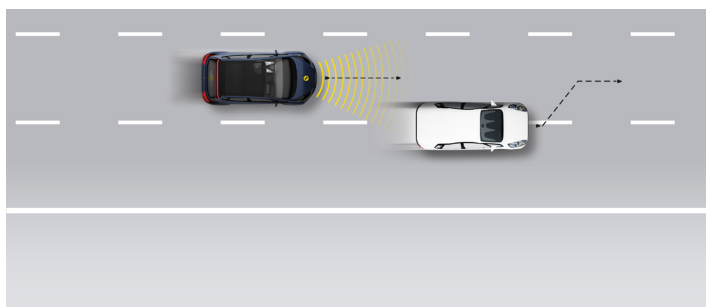### Approaching a slower moving car

Approaching a braking car

Car cutting-in in front

Car cutting-out in front