



Volkswagen Passat
Travel Assist

2020

MODERATE



ASSISTANCE
COMPETENCE



76%

SAFETY
BACKUP



61%

SPECIFICATION

SYSTEM NAME	Travel Assist
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	●
AEB Vulnerable Road User	●
Lane Support Systems	●
Speed Assistance Systems	●
ALSO AVAILABLE ON	

Comments

Volkswagen’s appropriately named **Travel 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 Passat offers a head-up display showing the system status in the driver’s direct line of sight. Volkswagen did not equip the Passat with an internal camera and relies on capacitive sensing in the rim of the steering wheel and steering input for Driver Monitoring. The system balances driver steering input with lane guidance, promoting co-operative driving.

Volkswagen 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 Passat avoids a collision with moving vehicles but fails to respond to stopped cars in the ACC test scenarios. AEB interventions provide limited additional support in critical situations. The driver is supported through the S-Bend, staying centred in the lane at all test speeds. The vehicle has an Active Blindspot system designed to prevent lane changing into adjacent vehicles. However, the system failed to prevent such collisions in Euro NCAP’s tests. A lane-change assist function is not available. In case of an unresponsive driver, the Volkswagen performs a controlled stop in lane. If the radar is blocked the Passat provides a timely warning and prevents system activation. With the camera blocked no warning is issued during testing.

The Volkswagen Passat provides a good level of Vehicle Assistance with a similar level of Driver Engagement but a Moderate Safety Back-up resulting in a Moderate but balanced system.

ASSISTANCE COMPETENCE

Total 76%

DRIVER ENGAGEMENT

79.8 / 100 PTS

CONSUMER INFORMATION 20.0 / 25 Pts

SYSTEM NAME	Travel Assist
MARKETING MATERIAL	Travel Assist Volkswagen Viewed 12 September 2020
QUICK START GUIDE	
VEHICLE HANDBOOK	Viewed 12 September 2020

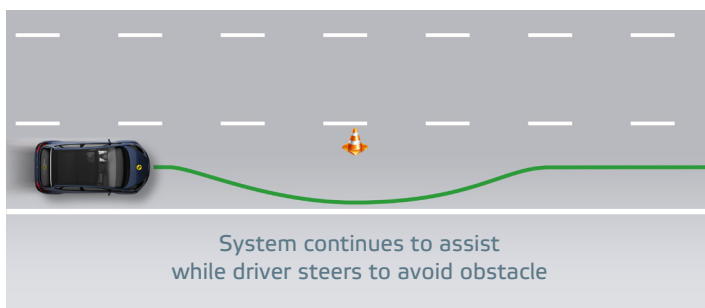
SYSTEM STATUS 24.8 / 25 Pts

Continuous System Status Indicator	
System Status Change Indicator	

DRIVER MONITORING 10.0 / 25 Pts

DRIVING COLLABORATION 25.0 / 25 Pts

Steering to avoid an obstacle



GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

ASSISTANCE COMPETENCE

Total 76%

VEHICLE ASSISTANCE

76.6 / 100 PTS

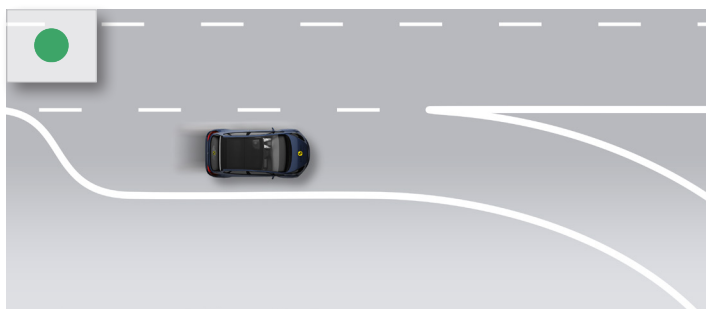
SPEED ASSISTANCE 21.3 / 25 Pts

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 roundabouts



Speed adaptation for junctions



● FITTED TO THE VEHICLE — NOT AVAILABLE

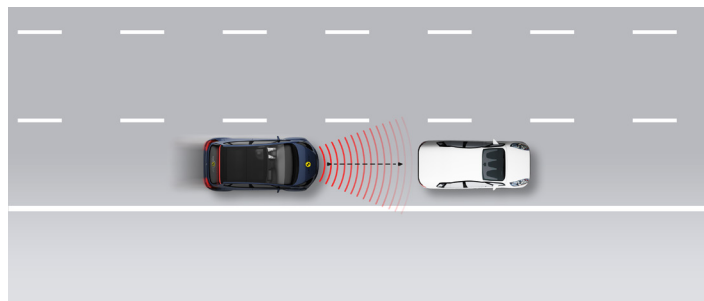
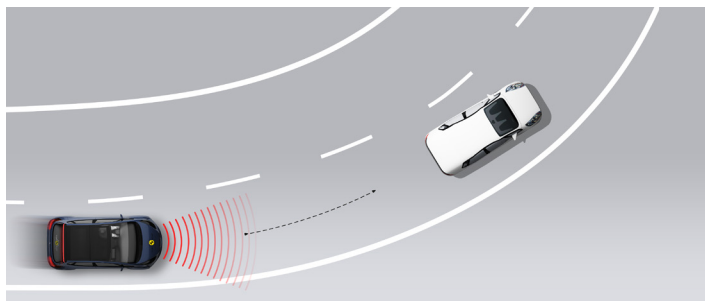
ASSISTANCE COMPETENCE

Total 76%

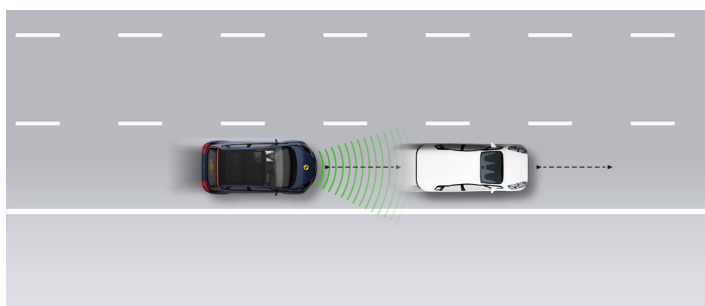
ADAPTIVE CRUISE CONTROL PERFORMANCE

25.3 / 40 Pts

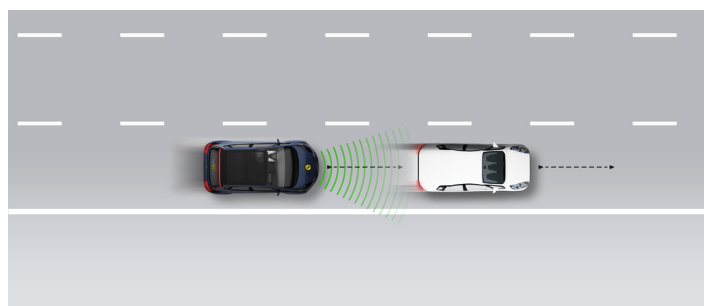
Approaching a stationary car



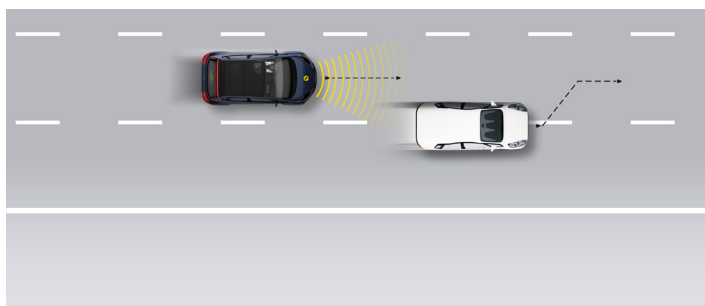
Approaching a slower moving car



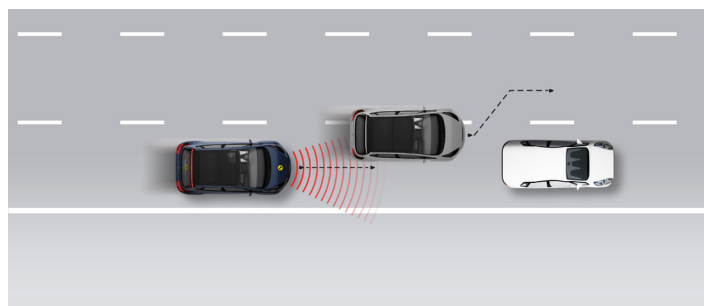
Approaching a braking car



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 76%

STEERING ASSISTANCE 30.0 / 35 Pts

Steering in an S-curve



80 km/h	●
100 km/h	●
120 km/h	●
Lane Change Assist	✘

SAFETY BACKUP

Total 61%

SYSTEM FAILURE 16.3 / 25 Pts

	ENGAGEMENT	WARNING
SENSOR BLOCKED AT START-UP		
Camera	System can NOT be engaged after a 5 minute drive	No Warning 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	No Warning 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	No Warning 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



 SAFETY BACKUP

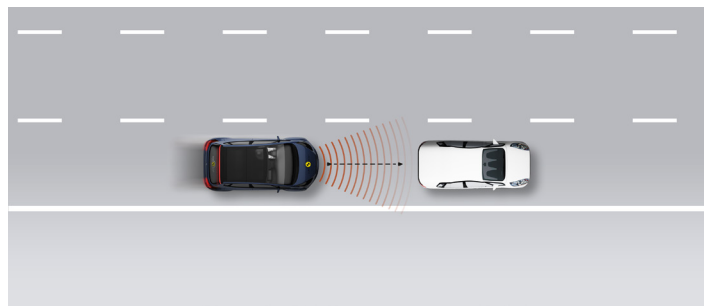
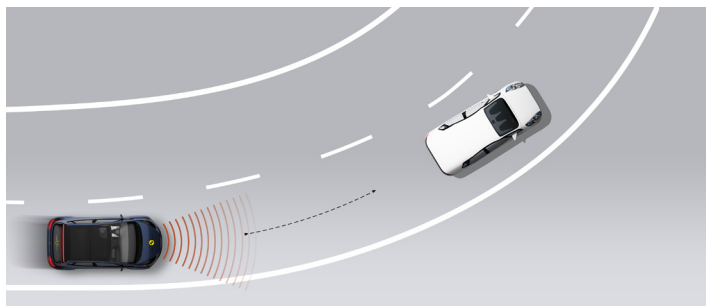
Total 61%

COLLISION AVOIDANCE

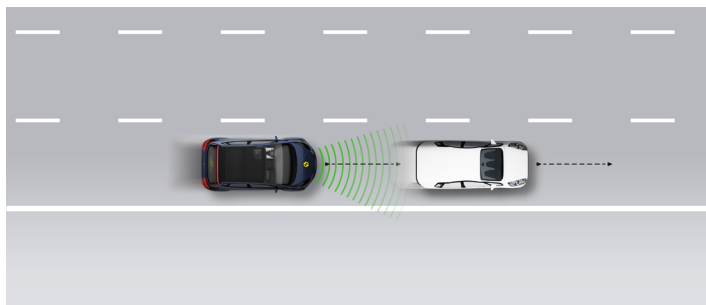


25.5 / 50 Pts

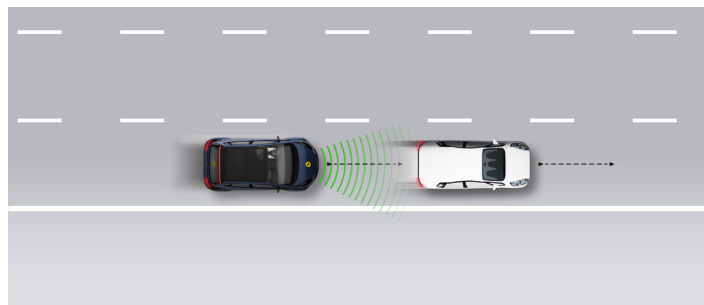
Approaching a stationary car



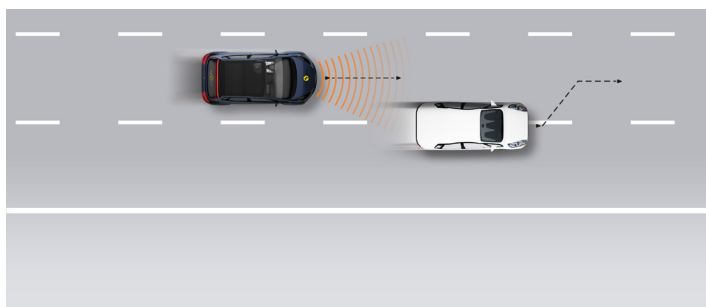
Approaching a slower moving car



Approaching a braking car



Car cutting-in in front



Car cutting-out in front

