



Alfa Romeo Tonale

Active Driving Assist

2023



MODERATE



ASSISTANCE
COMPETENCE

54%

SAFETY
BACKUP



76%

SPECIFICATION

SYSTEM NAME	Active Driving Assist
Version Tested	ZARHA5VP0N3014112
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	●
AEB Vulnerable Road User	●
Lane Support Systems	●
Speed Assistance Systems	●

Comments

Alfa Romeo’s system name ‘Active Driving Assist’ accurately portrays system functionality. However, the promotional material makes several misleading references to automation. The Tonale does not offer a head-up display showing the system status in the driver’s direct line of sight. Alfa Romeo did not equip the Tonale with an internal camera and the system relies only on steering wheel input for Driver Monitoring. The system balances driver steering input with lane guidance, promoting co-operative driving.

The Tonale combines map-based speed limit information with real time camera inputs to manage fixed, variable and temporary speed limit signs. The system does not adapt speed for upcoming road features such as corners, junctions or roundabouts. The Tonale 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 centred in the lane at all test speeds. 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 the case of an unresponsive driver, the maintains steering control and brings the car to a controlled halt. If either the camera or radar is blocked the car provides a timely warning and prevents system activation.

The Alfa Romeo Tonale provides modest levels of Vehicle Assistance and Driver Engagement but good Safety Back-up resulting in a Moderate but balanced system.

ASSISTANCE COMPETENCE

Total 54%

DRIVER ENGAGEMENT

54.0 / 100 PTS

CONSUMER INFORMATION 15.0 / 25 Pts

SYSTEM NAME	Active Driving Assist
MARKETING MATERIAL	 Active Driving Assist Alfa Romeo Viewed 15 May 2023
QUICK START GUIDE	
VEHICLE HANDBOOK	 Viewed 15 May 2023

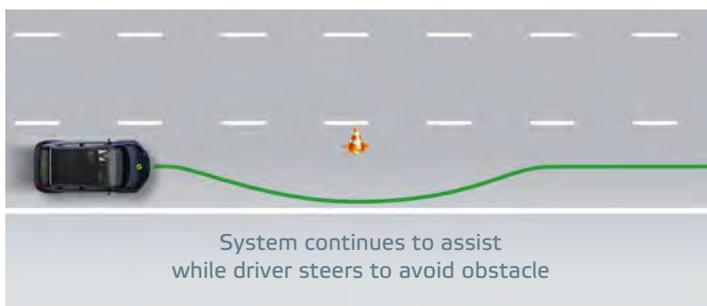
SYSTEM STATUS 14.7 / 25 Pts

Continuous System Status Indicator	
System Status Change Indicator	

DRIVER MONITORING 10.0 / 25 Pts

DRIVING COLLABORATION 15.0 / 25 Pts

Steering to avoid an obstacle



GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

ASSISTANCE COMPETENCE

Total 54%

VEHICLE ASSISTANCE

62.0 / 100 PTS

SPEED ASSISTANCE 10.7 / 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

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

ASSISTANCE COMPETENCE

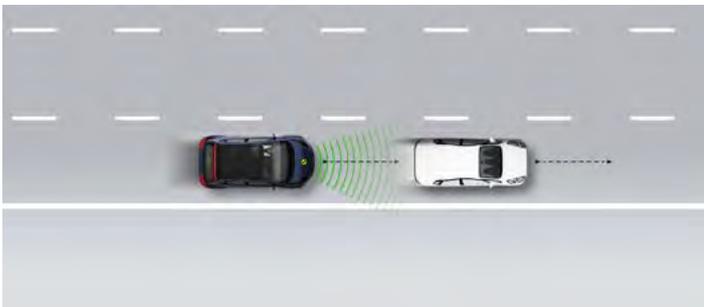
Total 54%

ADAPTIVE CRUISE CONTROL PERFORMANCE 21.7 / 40 Pts

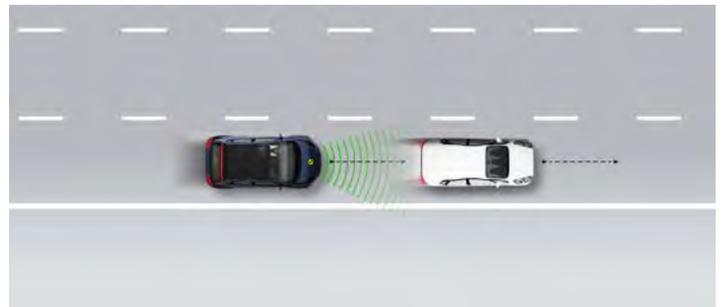
Approaching a stationary car



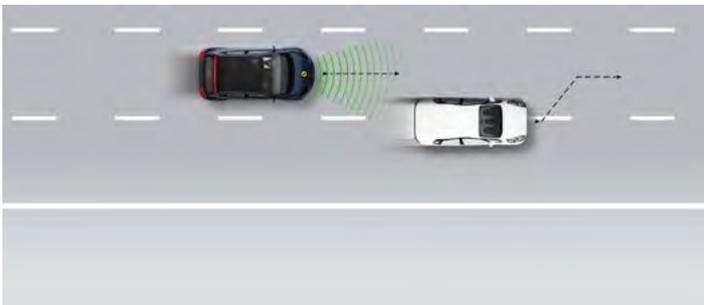
Approaching a slower moving car



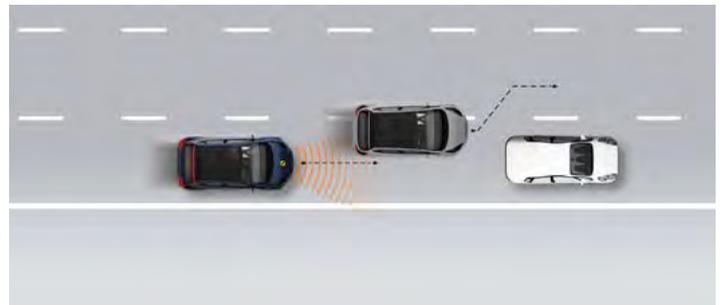
Approaching a braking car



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

GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

ASSISTANCE COMPETENCE

Total 54%

STEERING ASSISTANCE 30.0 / 35 Pts

Steering in an S-curve



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

GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

 SAFETY BACKUP

Total 76%

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	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 20.0 / 25 Pts

Hands Off Warning Timeline



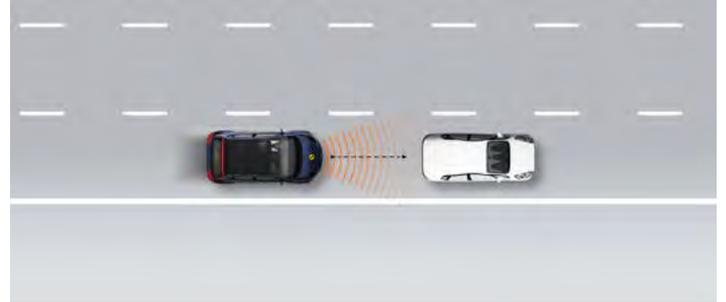
GOOD
 ADEQUATE
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 SAFETY BACKUP

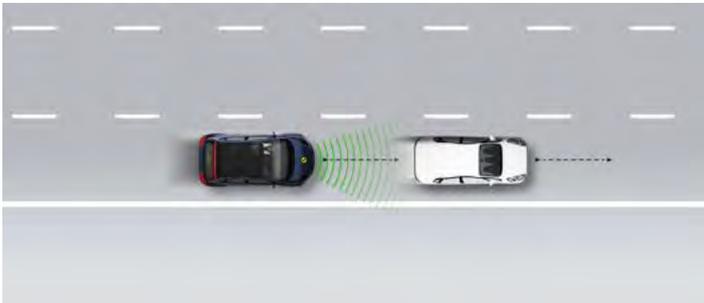
Total 76%

COLLISION AVOIDANCE  31.8 / 50 Pts

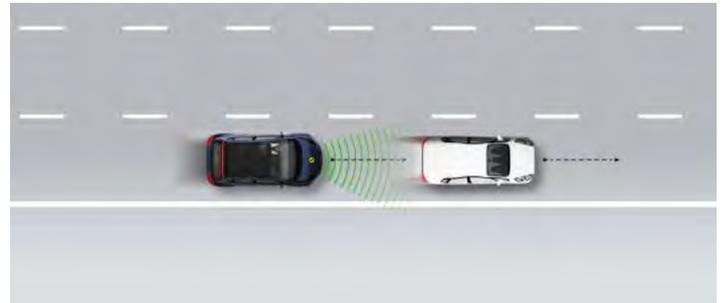
Approaching a stationary car



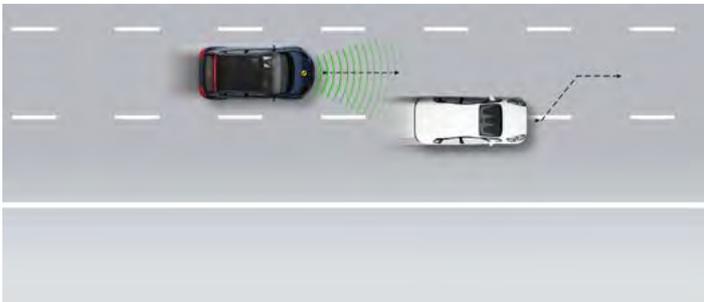
Approaching a slower moving car



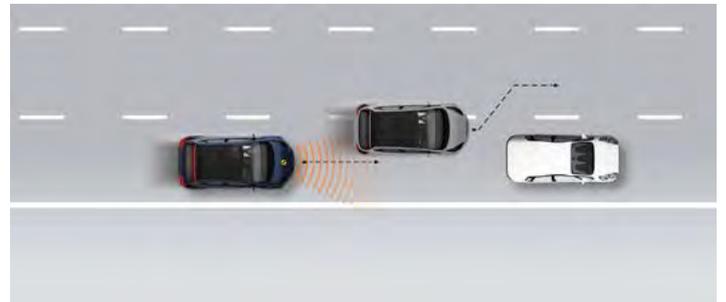
Approaching a braking car



Car cutting-in in front



Car cutting-out in front



 GOOD  ADEQUATE  MARGINAL  WEAK  POOR