



Nissan Ariya
ProPILOT Assist

2023



ASSISTANCE
COMPETENCE

77%

SAFETY
BACKUP



86%

SPECIFICATION

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

Comments

Nissan’s appropriately-named ProPilot Assist indicates the system’s functionality, and the promotional material and the handbook correctly indicate the limitations of the system capabilities. Status information is clear, and the Ariya offers a head-up display showing the system status in the driver’s direct line of sight. Nissan did not equip the Ariya 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.

Nissan combines map-based speed limit information with real time camera inputs to manage fixed, variable and temporary speed limit signs. The system can adapt speed for upcoming road features such as curves and roundabouts, but not for approaching junctions. The Ariya avoids a collision with moving vehicles in the ACC test scenarios and responds also to stationary cars, with AEB interventions providing additional support in critical situations. The driver is supported through the S-Bend, but the system keeps the car fully within the lane only at the lowest test speed. 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 Nissan performs a controlled stop in lane. If the radar or camera are blocked the Ariya provides a timely warning and prevents system activation.

The Nissan Ariya provides a good, balanced level of driver engagement and driving assistance. Combined with excellent safety back-up, the system offers a Very Good level of highway assistance overall.

ASSISTANCE COMPETENCE

Total 77%

DRIVER ENGAGEMENT

85.0 / 100 PTS

CONSUMER INFORMATION 25.0 / 25 Pts

SYSTEM NAME	ProPILOT Assist
MARKETING MATERIAL	ProPILOT Assist Nissan Viewed 25 May 2023
QUICK START GUIDE	
VEHICLE HANDBOOK	Viewed 25 May 2023

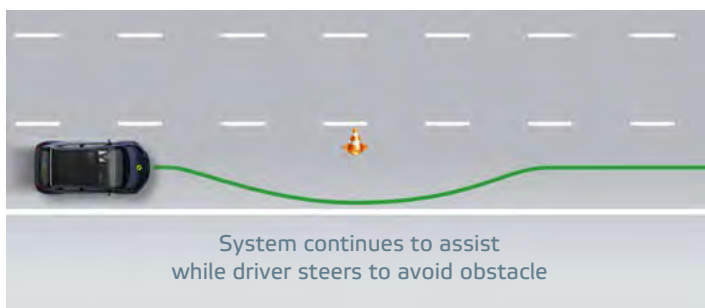
SYSTEM STATUS 25.0 / 25 Pts

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 77%

VEHICLE ASSISTANCE

77.0 / 100 PTS

SPEED ASSISTANCE 22.2 / 25 Pts

SPEED ASSIST SYSTEMS

Vehicle response to fixed Speed limits	Slowing down 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

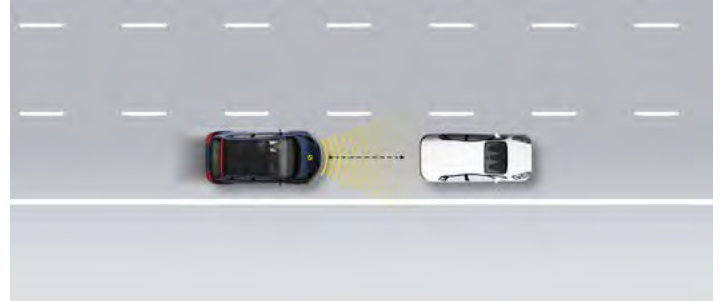
■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

ASSISTANCE COMPETENCE

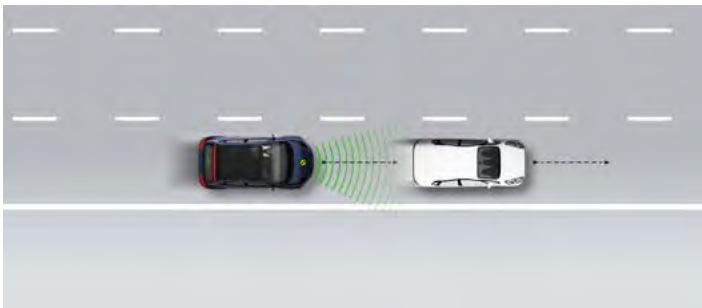
Total 77%

ADAPTIVE CRUISE CONTROL PERFORMANCE 28.1 / 40 Pts

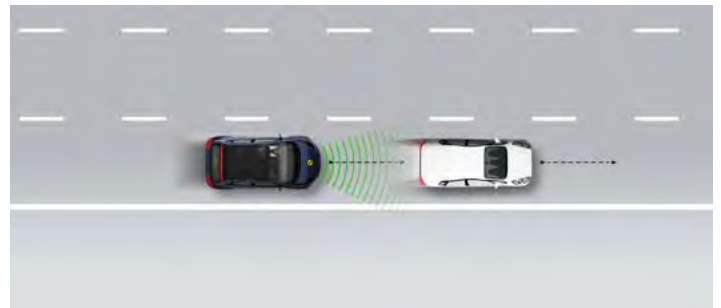
Approaching a stationary car



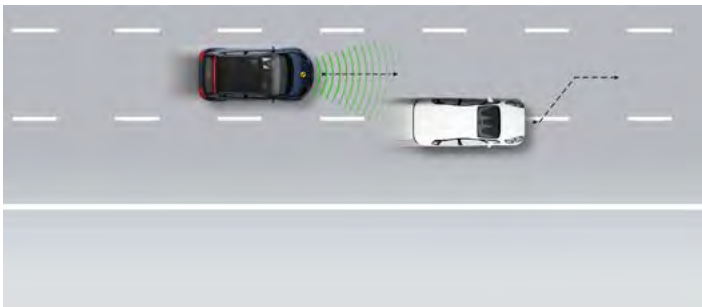
Approaching a slower moving car



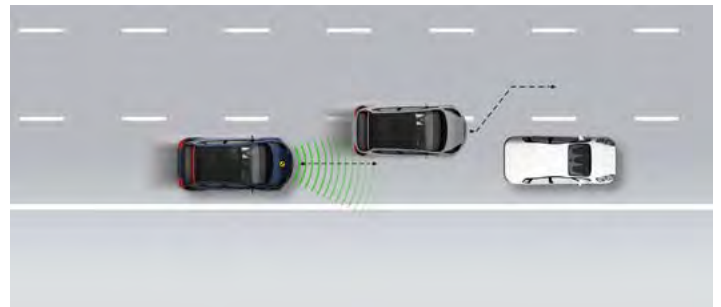
Approaching a braking car



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 within 5s of stop and driver input required over 5s

GOOD
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ASSISTANCE COMPETENCE

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STEERING ASSISTANCE 27.5 / 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 86%

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



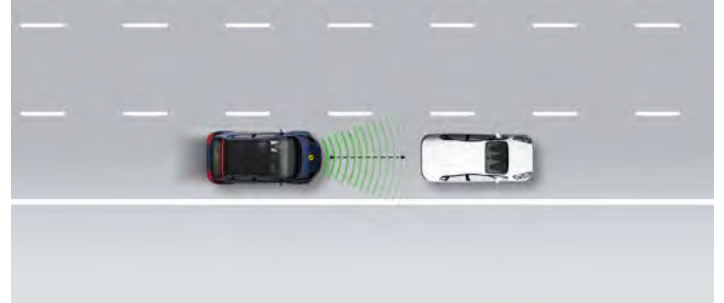
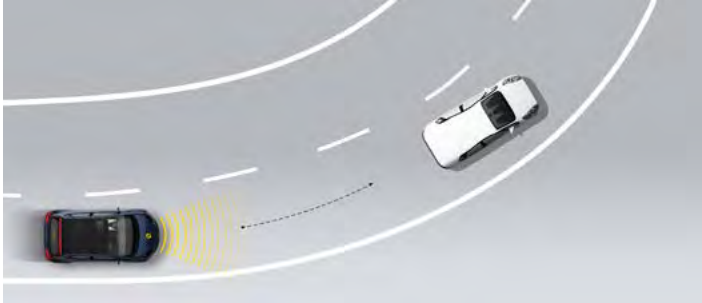
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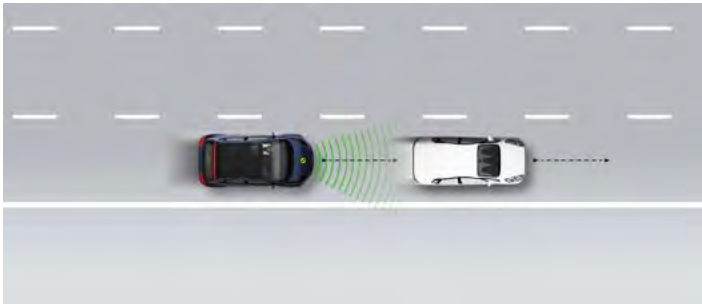
Total 86%

COLLISION AVOIDANCE  41.3 / 50 Pts

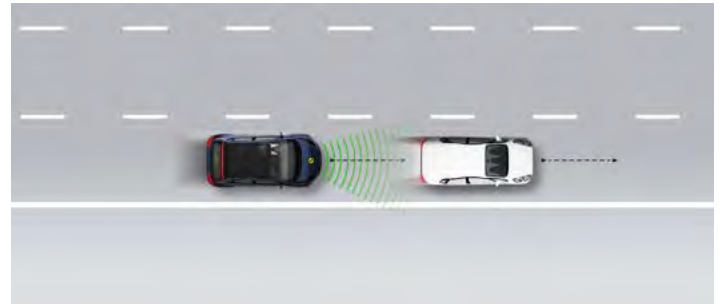
Approaching a stationary car



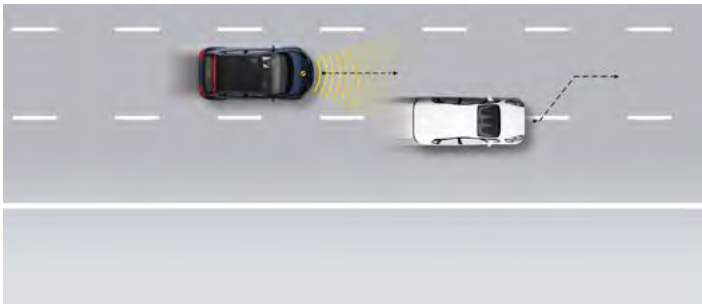
Approaching a slower moving car



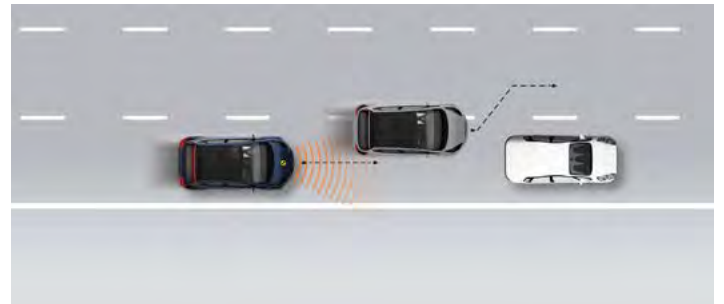
Approaching a braking car



Car cutting-in in front



Car cutting-out in front



 GOOD  ADEQUATE  MARGINAL  WEAK  POOR