Jaguar I-PACE

Adaptive Cruise with Steering Assist (InControl)

2022

ENTRY

ASSISTANCE COMPETENCE	53%
SAFETY BACKUP	59%

SPECIFICATION

SYSTEM NAME	Adaptive Cruise with Steering Assist (InControl)
Version Tested	Software version DADC 7.13.2.5.1
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	●
AEB Vulnerable Road User	●
Lane Support Systems	●
Speed Assistance Systems	●

Comments

Jaguar's system name Adaptive Cruise with Steering 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 I-PACE offers a head-up display showing the system status in the driver's direct line of sight. Jaguar did not equip the vehicle with an internal camera and the car relies only on steering wheel input for Driver Monitoring. The system balances driver steering input with lane guidance, promoting co-operative driving.

Jaguar combines map-based speed limit information with real time camera inputs to manage fixed, variable and temporary speed limit signs. The system cannot adapt speed for upcoming road signs or features such as curves and junctions. The Jaguar I-PACE avoids a collision with moving vehicles in the ACC test scenarios but fails to respond to stationary vehicles. AEB interventions provide limited additional support in critical situations. The driver is supported through the S-Bend but stays centred in the lane only at the lowest test speed. The vehicle does have an Active Blindspot Information System designed to prevent lane changing into adjacent vehicles. A lane-change assist function is not available. In case of an unresponsive driver, the I-PACE removes steering support whilst keeping the ACC function active. If the radar or camera are blocked the car provides a timely warning and prevents system activation.

The Jaguar I-PACE combines a very good level of driver engagement with relatively limited, entry level functionality. The safety back-up it provides is also entry level offering, overall, a balanced, Entry-level Highway Assist system.

Version 090522

ASSISTANCE COMPETENCE

Total 53%

DRIVER ENGAGEMENT 80.0 / 100 PTS

CONSUMER INFORMATION 20.0 / 25 Pts

SYSTEM NAME	Adaptive Cruise with Steering Assist (InControl)
MARKETING MATERIAL	Adaptive Cruise with Steering Assist | Jaguar Viewed 9 May 2022
QUICK START GUIDE	✖
VEHICLE HANDBOOK	Viewed 9 May 2022

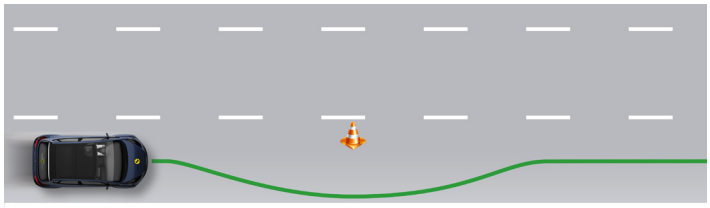
SYSTEM STATUS 25.0 / 25 Pts

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



System continues to assist
while driver steers to avoid obstacle

GOOD ADEQUATE MARGINAL WEAK POOR

ASSISTANCE COMPETENCE

Total 53%

VEHICLE ASSISTANCE

53.0 / 100 PTS

SPEED ASSISTANCE

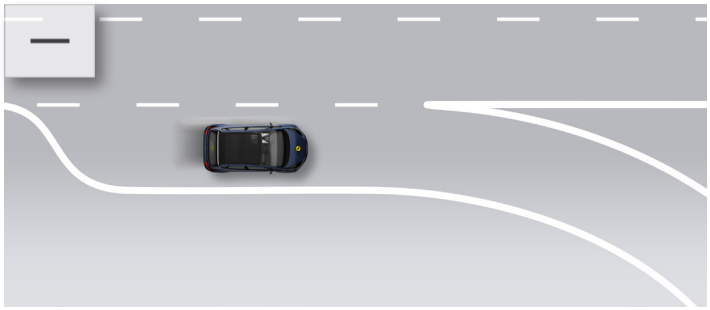
5.5 / 25 Pts

SPEED ASSIST SYSTEMS

Vehicle response to fixed Speed limits	No response
Vehicle response to variable Speed limits	No response

ROAD FEATURES

Speed adaptation for corners



Speed adaptation for round-abouts

Speed adaptation for junctions

● FITTED TO THE VECHILE — NOT AVAILABLE

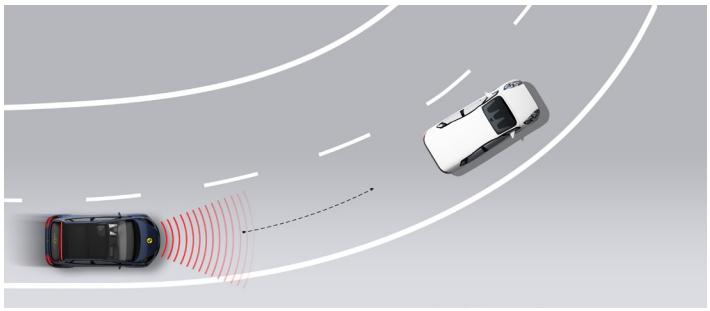
ASSISTANCE COMPETENCE

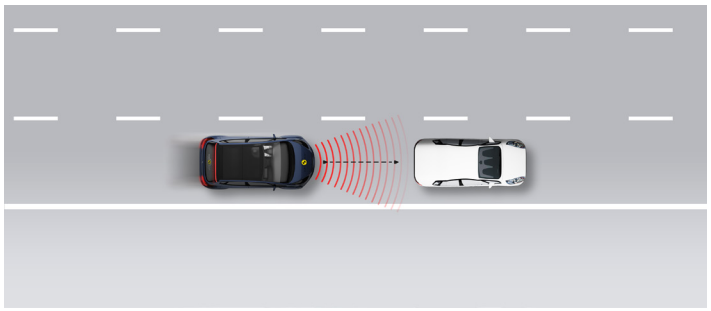
Total 53%

ADAPTIVE CRUISE CONTROL PERFORMANCE

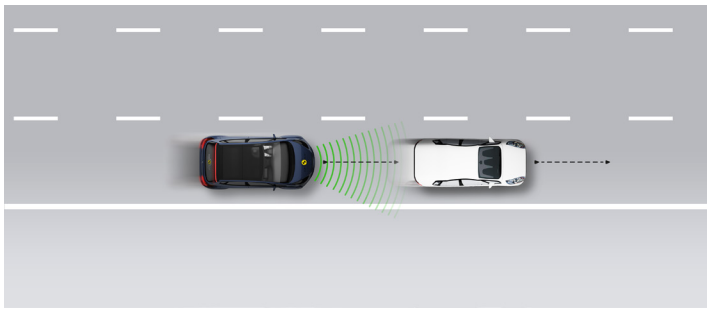
22.5 / 40 Pts

Approaching a stationary car

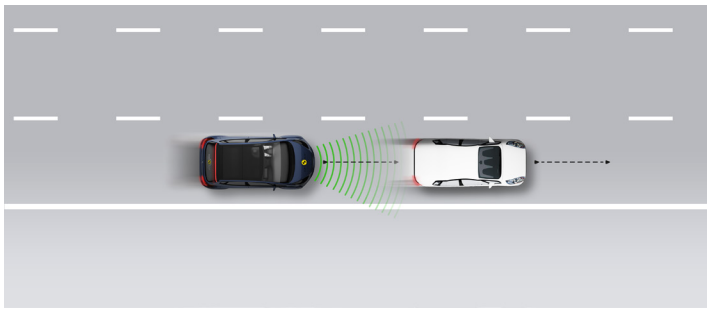




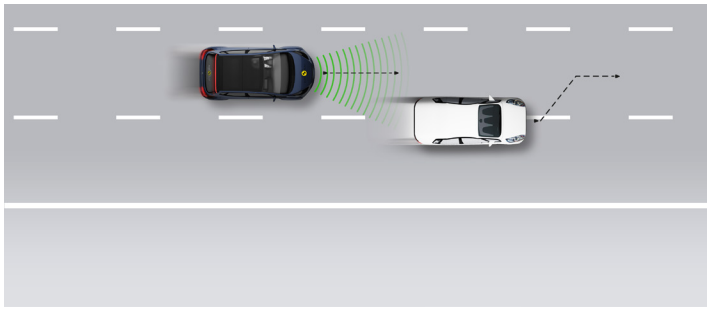
Approaching a slower moving car



Approaching a braking car



Car cutting-in in front



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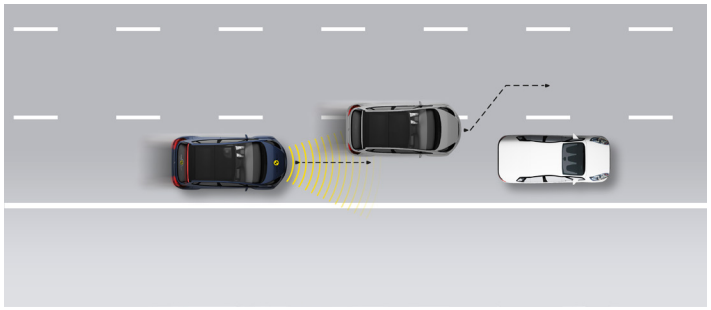


UNDERTAKE PREVENTION	
Undertake prevention at speeds over 90 km/h	✖

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

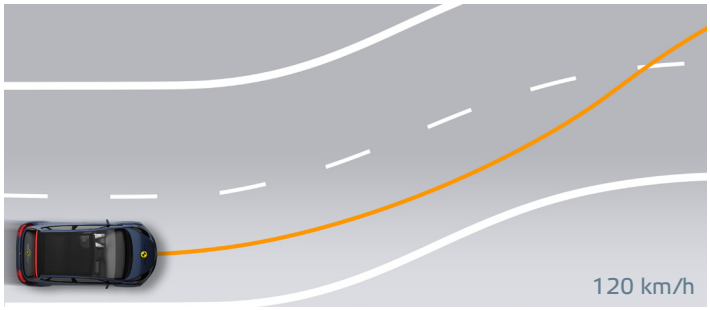
ASSISTANCE COMPETENCE

Total 53%

STEERING ASSISTANCE

25.0 / 35 Pts

Steering in an S-curve



80 km/h	●
100 km/h	●
120 km/h	●

Lane Change Assist	✖

SAFETY BACKUP

Total 59%

SYSTEM FAILURE 24.0 / 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	No Warning 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 0.0 / 25 Pts

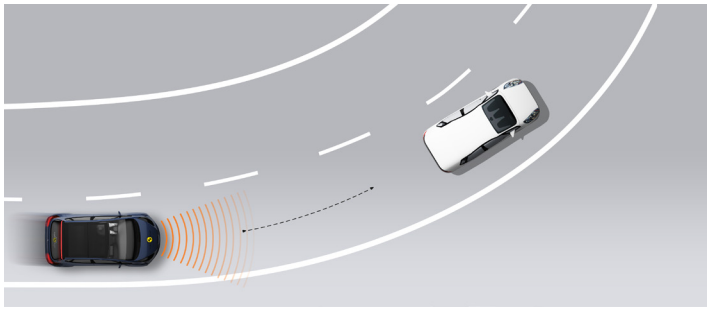
Hands Off Warning Timeline

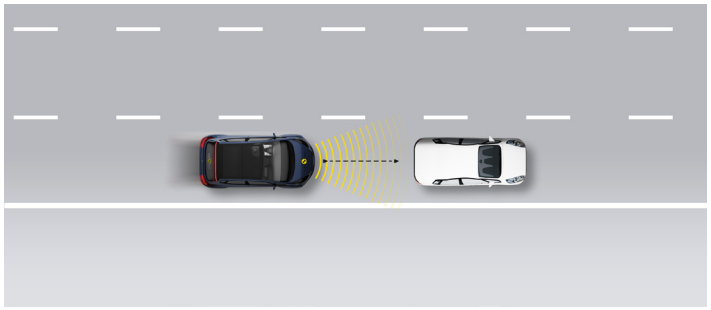
SAFETY BACKUP

Total 59%

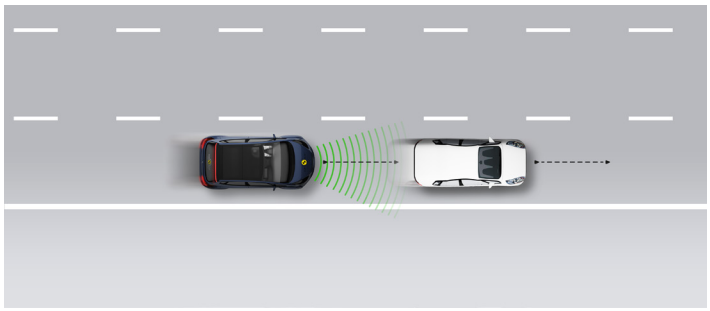
COLLISION AVOIDANCE 35.4 / 50 Pts

Approaching a stationary car

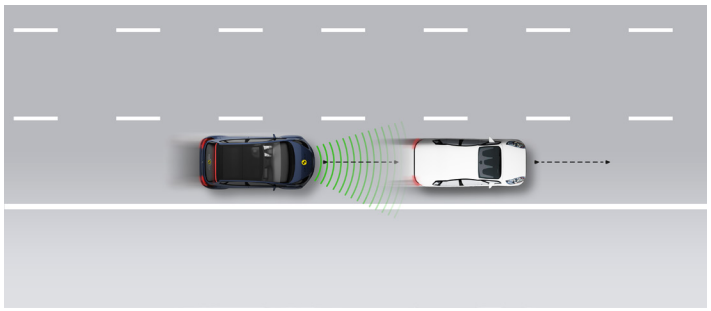




Approaching a slower moving car



Approaching a braking car



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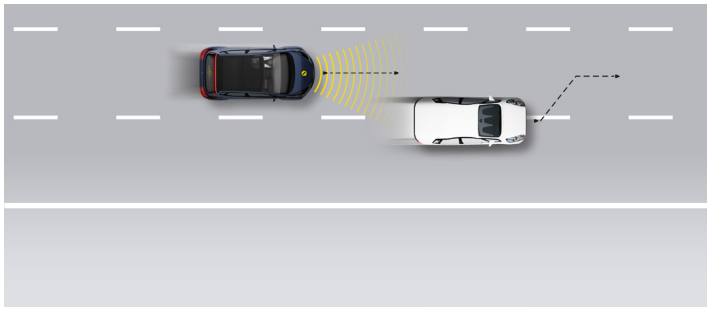

Car cutting-out in front