EURO NCAP
FOR SAFER CARS

Ford Kuga
Co-Pilot 360

2020

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GOOD

ASSISTANCE COMPETENCE	66%

SAFETY BACKUP	86%

SPECIFICATION

SYSTEM NAME	Co-Pilot 360
STANDARD ACTIVE SAFETY SYSTEMS	
AEB Car-to-Car	🟢
AEB Vulnerable Road User	🟢
Lane Support Systems	🟢
Speed Assistance Systems	🟢
ALSO AVAILABLE ON	Edge - Explorer - Focus - Kuga - Puma

Comments

Ford's system name **Co-Pilot 360** is inappropriate and indicates more functionality than the system is capable of. The promotional material and the handbook correctly indicate the limitations of the system capabilities. Status information is clear, and the Kuga offers a head-up display showing the system status in the driver's direct line of sight. Ford did not equip the Kuga 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.

Ford 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 features such as curves and junctions. The Kuga 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 but the highest 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 Ford performs a controlled stop in lane. If the radar or camera are blocked the Kuga provides a timely warning and prevents system activation.

The Ford Kuga provides a good level of Vehicle Assistance with a similar level of Driver Engagement resulting in a good, balanced system.

ASSISTANCE COMPETENCE

Total 66%

DRIVER ENGAGEMENT

73.0 / 100 PTS

CONSUMER INFORMATION

15.0 / 25 Pts

| SYSTEM NAME	Co-Pilot 360
MARKETING MATERIAL	🔗 Co-Pilot 360 | Ford Viewed 12 September 2020
QUICK START GUIDE	❌
VEHICLE HANDBOOK	📄 Viewed 12 September 2020

SYSTEM STATUS

23.0 / 25 Pts

Continuous System Status Indicator	
System Status Change Indicator	

DRIVER MONITORING

10.0 / 25 Pts

DRIVING COLLABORATIONV

25.0 / 25 Pts

Steering to avoid an obstacle

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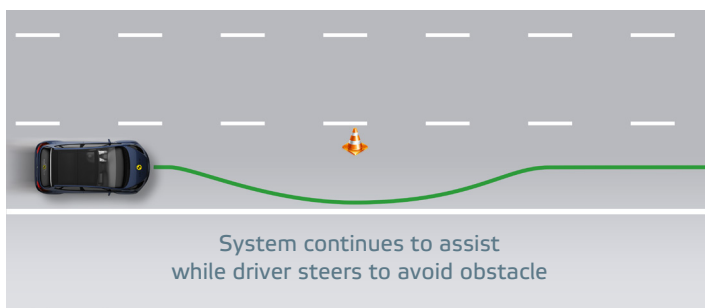
	GOOD		ADEQUATE		MARGINAL		WEAK		POOR

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ASSISTANCE COMPETENCE

Total 66%

VEHICLE ASSISTANCE

66.1 / 100 PTS

SPEED ASSISTANCE

10.8 / 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
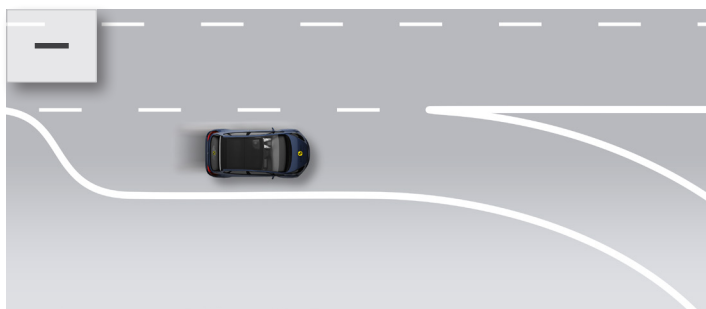
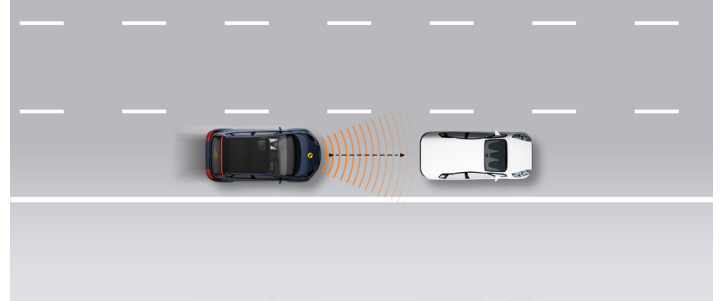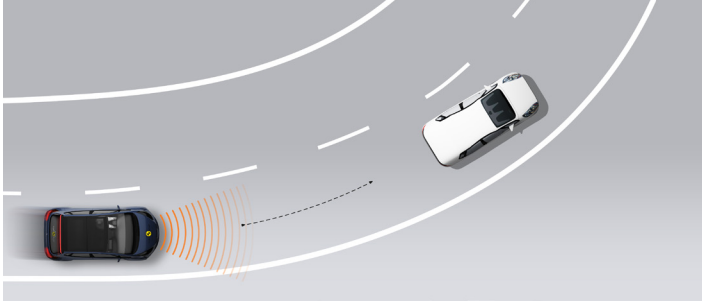Speed adaptation for round-abouts

Speed adaptation for junctions

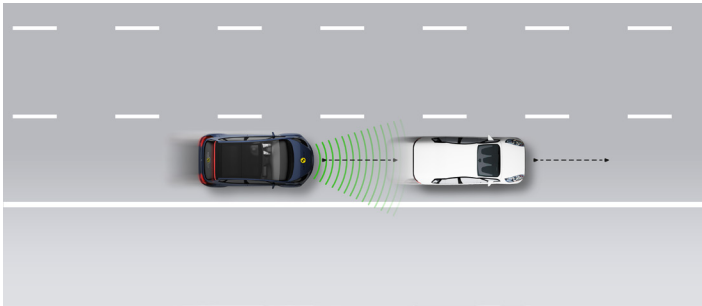🟢 FITTED TO THE VECHILE   — NOT AVAILABLE

ASSISTANCE COMPETENCE

Total   66%

ADAPTIVE CRUISE CONTROL PERFORMANCE
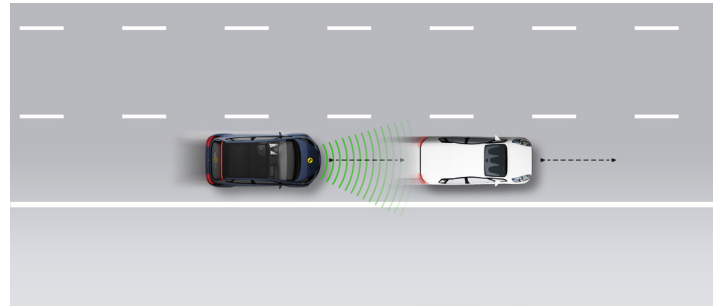
25.3 / 40 Pts

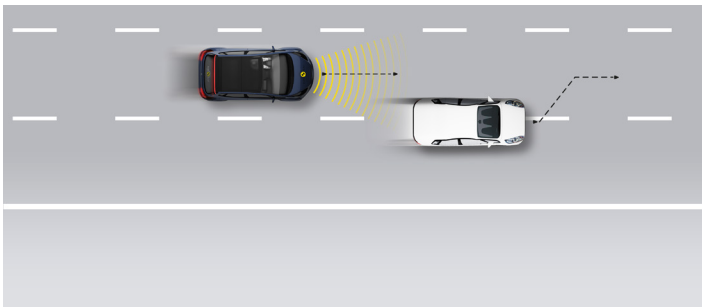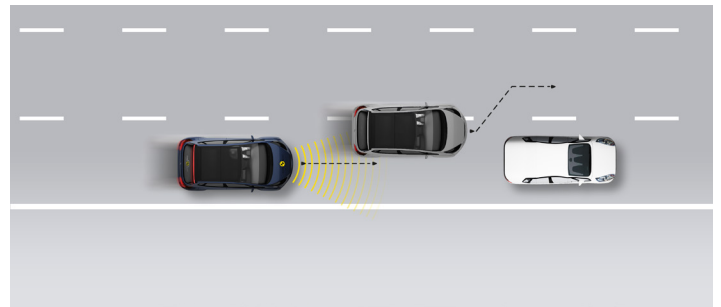### Approaching a stationary car

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 66%

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	❌

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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	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

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UNRESPONSIVE DRIVER INTERVENTION   🟩   20.0 / 25 Pts
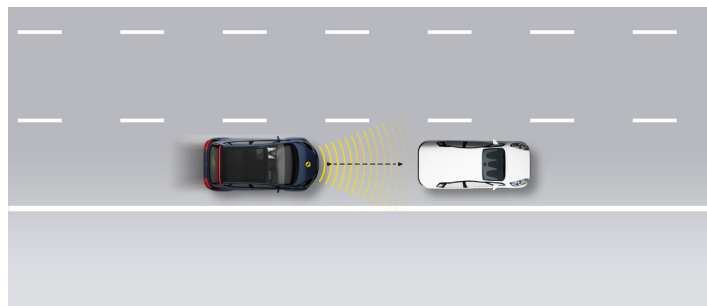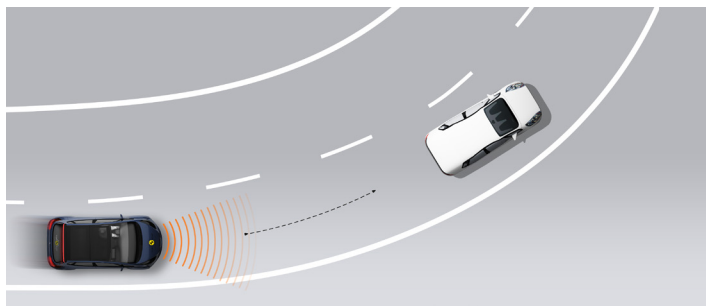
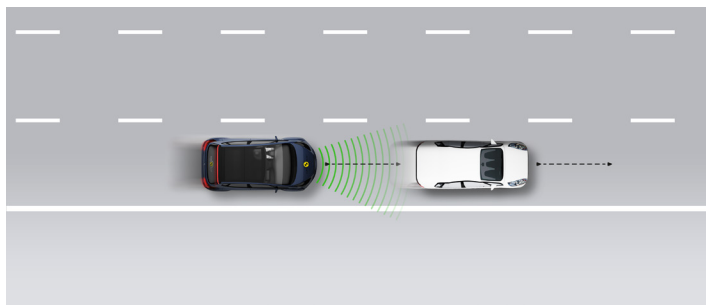Hands Off Warning Timeline

0   time

SAFETY BACKUP

Total   86%

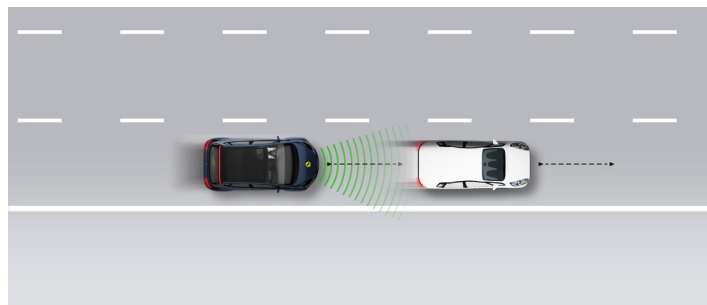### COLLISION AVOIDANCE   41.6 / 50 Pts

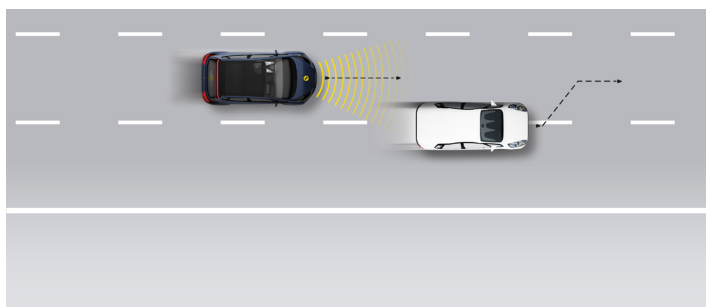**Approaching a stationary car**

Approaching a slower moving car

Approaching a braking car

Car cutting-in in front

Car cutting-out in front