



# T-Cross Specifications

# Features and Specifications

Safety and Security	85TSI Life	85TSI Style
<b>Airbags</b>		
Driver and front passenger airbags	S	S
Driver's knee airbag	S	S
Curtain airbags, front and rear	S	S
<b>Anti-theft</b>		
Electronic engine immobiliser	S	S
Security coded audio system	S	S
<b>Body</b>		
Door side impact protection	S	S
Fully galvanised body with 12 year corrosion perforation warranty	S	S
Rigid safety cell with front and rear crumple zones	S	S
<b>Brakes</b>		
Automatic flashing brake lights activated in emergency braking situation	S	S
Anti-lock Braking System (ABS)	S	S
Brake Assist	S	S
Electronic Brake-pressure Distribution (EBD)	S	S
Hill Start Assist (HSA)	S	S
Multi-collision brake	S	S
<b>Child restraints</b>		
Child seat top tether anchorage points, mounted on rear seat back (3)	S	S
ISOFIX child seat anchorage points, outer rear seats (2)	S	S
<b>Head restraints</b>		
Front safety optimised head restraints, height adjustable	S	S
Rear head restraints height adjustable (3)	S	S
<b>Lighting</b>		
Daytime driving lights LED, integrated in lower bumper	S	—
Daytime driving lights LED, integrated in headlights	—	S
Front fog lights with static cornering function, integrated in lower bumper	S	S
Fog lamp, rear	S	S
Rear tail lights, LED	S	—
Rear tail lights, LED with side marker lamp	—	S

<b>Safety and Security (continued)</b>	<b>85TSI Life</b>	<b>85TSI Style</b>
<b>Locking</b>		
Keyless Access, keyless entry and starting system including starter button	—	S
Remote central locking (separate release for luggage compartment)	S	S
2 stage unlocking (programmable)	S	S
One touch lock / unlock for driver	S	S
Child safety locks on rear doors	S	S
Fuel filler flap lock / unlock by remote, push to open	S	S
<b>Seat belts</b>		
Front height adjustable with pre-tensioners and belt force limiters	S	S
Outer rear seat belts with pre-tensioners and belt force limiters	S	S
Visual and acoustic warning for front and rear seat passenger seat belts not fastened	S	S
3 point seat belts for all passengers	S	S
<b>Traction Control</b>		
Anti-Slip Regulation (ASR)	S	S
Electronic Differential Lock (EDL)	S	S
Electronic Stabilisation Program (ESP)	S	S

## Exterior Equipment / Styling

<b>Body enhancements</b>		
Body coloured bumper bars and door handles	S	S
Exterior mirrors, body coloured	S	S
Chrome bezel for front fog lights	—	S
Lower air intake and radiator grille with black inserts	S	S
Protective black trim on lower front and rear bumpers, side sills and wheel arches	S	S
Radiator grille with gloss black finish, single chrome louvre and lower edge chrome highlight	S	S
Rear horizontal trim panel with reflector	S	S
Rear roof spoiler with gloss black aerodynamic extension	S	S
Side window lower trim in black	S	—
Side window lower trim in chrome	—	S
Underbody bumper strip in silver, front and rear	S	S
<b>Paint</b>		
Metallic / Pearl Effect paint finishes	O	O
<b>Roof</b>		
Roof rails, black	S	—
Roof rails, chrome	—	S

## Exterior Equipment / Styling (continued)

	85TSI Life	85TSI Style
<b>Tinted glass</b>		
Darkened rear tail light clusters	S	S
Heat insulating tinted glass	S	S
<b>Wheels</b>		
Alloy wheels (Rochester) 16x6" with 205/60 R16 tyres	S	—
Alloy wheels (Bangalore) 17x6.5" with 205/55 R17 tyres	—	S
Anti-theft wheel bolts	S	S
Low tyre pressure indicator	S	S
Spare wheel, weight and space saving	S	S
The weight and space saving spare wheel and tyre is speed restricted		

## Comfort and Convenience

<b>Armrest</b>		
Front centre armrest with storage compartment, height and longitudinal adjustable	S	S
<b>Air conditioning</b>		
Air conditioning, manual control	S	—
Air conditioning, dual zone automatic climate control	—	S
Dust and pollen filter	S	S
<b>Console</b>		
Centre console with open storage compartment, cup holders and 12 volt socket	S	S
<b>Cup holders</b>		
Front (2)	S	S
Bottle holders in front and rear door pockets	S	S
<b>Driver assistance systems*</b>		
IQ.DRIVE		
Cruise control with programmable speed limiter	S	—
Adaptive Cruise Control (ACC) with Stop and Go function	P	S
Automatic kerb function when reversing, passenger's side exterior mirror	P	S
Blind Spot Monitor with Rear Traffic Alert	P	S
Lane Assist, lane departure warning system	S	S
Distance warning display	S	S
Driver Fatigue Detection system	S	S
Front Assist with City Emergency Brake (City EB), Pedestrian and Cyclist Monitoring functions	S	S
Manoeuvre Braking, front and rear	S	S
Optical Parking System (OPS) in infotainment system display	S	S
Park Assist, parking bay and parallel parking assistance	P	S
Parking distance sensors, front and rear with acoustic warning and audio volume level reduction when sensor warning is activated	S	S
Proactive occupant protection system	P	S
Rear View Camera (RVC) with static guidance lines	S	S

\*Safety technologies are designed to assist the driver, but should not be used as a substitute for safe driving practices.

<b>Comfort and Convenience (continued)</b>	<b>85TSI Life</b>	<b>85TSI Style</b>
<b>Floor mats</b>		
Front and rear, carpet	—	S
<b>Headlights</b>		
Halogen headlights with clear polycarbonate lens	S	—
LED headlights for low and high beam and automatic self-levelling	—	S
Light Assist, automatic high beam headlight function	—	S
Headlight and fog light switches on dashboard	S	S
Internal headlight range adjustment	S	—
Coming / leaving home function	S	S
Low light sensor with automatic headlight function	S	S
<b>In car entertainment and technology</b>		
Composition Media audio system 8.0" colour capacitive touch screen display with smartphone style HMI and proximity sensor, AM/FM radio, CD player and SD card slot for music, compatible with MP3, WMA and AAC music files, jpeg image viewer, ambient temperature display, digital clock, car menu with convenience and service settings, security coded	S	S
App-Connect <sup>~</sup> , interface for Apple CarPlay <sup>®</sup> , Android Auto <sup>™</sup> and MirrorLink <sup>®</sup>	S	S
Audio, telephone, cruise control and Multi-Function Display controls mounted on steering wheel	S	S
Bluetooth <sup>®</sup> phone connectivity with contacts display, operation via touch screen audio unit or Multi-Function Display and Bluetooth <sup>®</sup> audio streaming	S	S
Inductive wireless phone charging	S	S
Speakers, front (4) and rear (2)	S	S
USB ports (2) front, Apple <sup>®</sup> compatible located in front centre console	S	S
USB ports (2) rear, located on back of centre armrest storage compartment	S	S
<b>Instrumentation</b>		
Multi-Function Display (MFD Plus) Monochrome display - Trip computer (trip time, trip length, average and current speed, speed warning, average and current fuel consumption, distance till empty and oil temperature), vehicle status, driver assistance, audio and telephone menus	S	S
Speedometer & tachometer, electronic odometer and tripmeter, start/stop system status and low fuel warning light, white illumination	S	S
Fuel and coolant temperature gauges	S	S
Comfort indicator function (1 x touch = 3 x flash)	S	S

<sup>~</sup>App-Connec is compatible for selected apps with the latest smartphone versions of iOS and Android, active data service, and connection cable (sold separately).

## Comfort and Convenience (continued)

	85TSI Life	85TSI Style
<b>Interior highlights</b>		
Chrome elements on power mirror and power window switches, outer air vents and instrument cluster	S	S
Gloss black highlight surrounding instruments and infotainment system	S	S
Gearshift knob and handbrake lever handle with leather trim	S	S
Pineapple Deep Iron-Silver inlays to dashboard and front door trims	S	—
Lizard Shadow Steel-Black inlays to dashboard and front door trims	—	S
<b>Interior lighting</b>		
Interior light with time delay	S	S
LED ambient lighting in dashboard	—	S
Driver and front passenger foot well lighting	—	S
Passenger reading lights, front (2) and rear (2)	S	—
Passenger reading lights, front (2) and rear (2), LED	—	S
<b>Luggage compartment</b>		
Load restraining hooks	S	S
Luggage compartment light	S	S
Luggage cover, removable	S	S
Shopping bag hooks	S	S
Variable luggage compartment floor level	S	S
<b>Mirrors</b>		
Automatic dimming interior rear-view mirror	S	S
Electrically foldable exterior mirrors	P	S
Electrically heated and adjustable exterior mirrors	S	S
LED turn indicators integrated in exterior mirrors	S	S
<b>Power steering</b>		
Electro-mechanical, vehicle speed and steering input sensitive	S	S
<b>Seating</b>		
Comfort front seats	S	—
Comfort sport front seats	—	S
Height adjustment for driver's seat	S	S
Height adjustment for front passenger's seat	S	S
Lumbar adjustment for front seats, manually adjustable	S	S
Split folding rear seat backrest (40/60)	S	S
Rear seat base, longitudinally sliding	S	S

<b>Comfort and Convenience (continued)</b>	<b>85TSI Life</b>	<b>85TSI Style</b>
<b>Steering wheel</b>		
Leather covered 3 spoke flat bottomed steering wheel	S	S
Audio, telephone, cruise control and Multi-Function Display controls	S	S
Gearshift paddles mounted on steering wheel	—	S
Height and reach adjustable	S	S
<b>Storage</b>		
Coat hooks on centre door pillars	S	S
Compartment for owner's manual under left front seat	S	S
Compartment (open) in front centre console	S	S
Compartment (open) in rear of centre console	S	S
Drawer under driver's seat	S	S
Front centre armrest storage compartment	S	S
Front door pockets	S	S
Front seat back storage pockets	S	S
Glove compartment with illumination	S	S
Rear door pockets	S	S
<b>Sun visors</b>		
Driver and front passenger	S	S
<b>Transmission</b>		
Gearshift recommendation indicator	S	S
7 speed Direct Shift Gearbox (DSG) with Tiptronic function and Sport mode	S	S
<b>Upholstery</b>		
Comfort cloth	S	—
Comfort sport cloth	—	S
<b>Vanity mirrors</b>		
Driver's side vanity mirrors	S	S
<b>Windows</b>		
Power front and rear with one-touch up-down	S	S
Remote operated convenience close and open feature (programmable)	S	S
<b>Wipers</b>		
2 speed aero wipers with wash/wipe	S	S
Rain sensor	S	S
Rear window with wash/wipe and intermittent wipe	S	S
<b>12V socket</b>		
Centre console	S	S

~App-Connec is compatible for selected apps with the latest smartphone versions of iOS and Android, active data service, and connection cable (sold separately).

S Standard O Optional Extra P Available as part of an optional package



Optional Packages	85TSI Life	85TSI Style
<b>Driver assistance package*</b>		
Adaptive Cruise Control (ACC) with Stop and Go function Blind Spot Monitor with Rear Traffic Alert Electrically foldable exterior mirrors Park Assist, parking bay and parallel parking assistance Proactive occupant protection system	0	S
<b>R-Line package</b>		
Alloy wheels (Nevada) 18x7" with 215/45 R18 tyres (4) Aluminium finish accelerator and brake pedals Black headlining and pillar trim Dark tinted rear side window and rear window glass, 65% light absorbing R-Line scuff plates in front door sills R-Line logo in radiator grille 'Carbon Flag' sports cloth and microfibre upholstery 'Race' decorative dashboard panel Design panel with R-Line logo on front wheel guard and front doors Front and rear bumpers in R-styling painted in body colour Front lower air intake in R design, black textured Leather multi-function sports steering wheel with gearshift paddles Lower body side cladding painted in body colour Rear diffuser in R design, black textured	—	0
<b>Sound &amp; Vision package</b>		
Beats 300W premium audio system with 8-channel digital amplifier and subwoofer Digital Cockpit, high resolution 10.25" digital instrument colour display screen with customisable displays Discover Media audio and satellite navigation system 8.0" colour capacitive touch screen display with smartphone style HMI and proximity sensor, AM/FM radio, CD player and 2 x SD card slots for music and navigation data, 2D and 3D (bird's eye) map views, compatible with MP3, WMA and AAC music files, jpeg image viewer, car menu with convenience and service settings, security coded Media Control Please note: The luggage capacity is reduced by 80 litres through the loss of the variable luggage compartment floor level when optioned with the Sound & Vision package	0	0

\*Safety technologies are designed to assist the driver, but should not be used as a substitute for safe driving practices.



# Technical Specifications

<b>Model</b>	<b>85TSI Life</b> <b>85TSI Style</b>
<b>Engine</b>	<b>1.0 litre TSI</b> <b>BlueMotion Technology</b>
Type	3 cylinder inline turbocharged direct injection petrol with engine Start/Stop system*
Installation	Front transverse
Cubic capacity, litres/cc	1.0/999
Bore/stroke, mm	74.5/76.4
Max power, kW @ rpm	85 @ 5000 – 5500
Max torque, Nm @ rpm	200 @ 2000 – 3500
Compression ratio	10.5:1
Fuel System	Direct injection
Ignition system	Electronic
Exhaust emission control	Lambda probes before and after catalytic converter
Fuel type (Recommended)	Minimum 95 RON
<b>Transmission</b>	<b>7 Speed DSG</b>
Driven wheels	Front wheel drive
<b>Performance#</b>	
0 – 100 km/h	10.2
<b>Fuel Consumption**</b>	
Combined, L/100km	5.4
Urban, L/100km	6.0
Extra Urban, L/100km	5.0
CO <sub>2</sub> emission g/km~	123
Fuel tank capacity litres	40

- Emission level according to European Regulation (EC) No. 715/2007 and Regulation (EC) No. 692/2008.

\*The Start/Stop system is designed to reduce fuel consumption and CO<sub>2</sub> emissions. It achieves this by automatically switching off the engine while the vehicle is stationary and then starting it again automatically when the driver wants to drive off. There are certain operating conditions where the Start/Stop system is deactivated (e.g. during engine warm-up), please refer to the owner's manual for full operating information.

# Please note figures are sourced from overseas data where equipment levels by model variant may vary.

\*\*Fuel consumption figures according to ADR 81/02 derived from laboratory testing. Factors including but not limited to driving style, road and traffic conditions, environmental influences, vehicle condition and accessories fitted, will in practice in the real world lead to figures which generally differ from those advertised. Advertised figures are meant for comparison amongst vehicles only.

# Technical Specifications

Model	85TSI Life	85TSI Style
<b>Running Gear</b>		
Suspension	Independent suspension, MacPherson struts and coil springs	
Front Axle	Independent suspension, MacPherson struts and coil springs	
Rear Axle	Torsion beam axle, trailing arms, coil springs	
Steering	Electro-mechanical power assisted rack & pinion steering	
Brake Systems	Anti-lock Braking System (ABS) with Electronic Brake-pressure Distribution (EBD), Brake Assist and Electronic Stabilisation Program (ESP). Brake energy recuperation	
Brakes		
Front	Ventilated discs	
Rear	Discs	
Turning Circle (m)	10.6	
<b>Weights</b>		
Tare Mass Kg	1240	
<b>Exterior Dimensions</b>		
Overall length mm	4108	
Width mm	1760	
Height mm	1583	
Wheelbase mm	2563	
Track mm	<b>85TSI Life</b>	<b>85TSI Style</b>
Front	1534	1526
Rear	1516	1508
Running clearance mm <sup>⌘</sup>	185	
<b>Luggage Area Dimensions<sup>#</sup></b>		
Luggage area volume L		
Rear seat upright	385-455 <sup>+</sup>	
Rear seat folded	1281	
Luggage area floor length mm		
Rear seat upright	748	
Rear seat folded	1465	
Luggage area width mm		
At narrowest point	998	

# Please note figures are sourced from overseas data where equipment levels by model variant may vary.

+ With rear seat in the forward position.

⌘ Please note running clearance measurement may vary with wheel size, tyre pressures, tread depth.

# Colour Combinations

Interior Trim	Exterior Colours							
	Pure White	Dark Petrol	Makena Turquoise M	Reflex Silver M	Energetic Orange M	Limestone Grey M	Reef Blue M	Deep Black PE
<b>85TSI Life</b>								
Black-Grey comfort cloth seat upholstery	S	S	S	S	S	S	S	S
<b>85TSI Style</b>								
Black-Brown comfort sport cloth seat upholstery	S	S	S	S	S	S	S	S
Black 'Carbon Flag' sports cloth and microfibre upholstery	O	—	O	O	O	O	O	O

Please note: Metallic (M) and Pearl Effect (PE) paint are optional at additional cost.

# Glossary

## Adaptive Cruise Control (ACC)\*^

Adaptive Cruise Control (ACC) is an extension of the conventional cruise control system with advanced capabilities based on a radar sensor. When ACC is activated, the vehicle automatically brakes and accelerates to a speed and distance set by the driver.

If the T-Cross approaches a slower vehicle, the ACC brakes the car to the same speed and maintains the pre-selected distance. Even when a vehicle pulls into the same lane in front of you or slows, your vehicle is automatically decelerated to the pre-selected distance. If the vehicle ahead moves out of your lane, the T-Cross then accelerates up to the preset desired speed.

Deceleration of the vehicle may take place via intervention in the engine management system. If deceleration via engine torque is not sufficient, brake intervention takes place, braking the vehicle to a standstill if the traffic situation necessitates.

The distance to the vehicle in front can be pre-set in the car menu of the infotainment system and individually varied via the multi-function steering wheel. The status of the ACC system can be viewed in driver assistance systems menu in the Multi-Function Display (MFD Plus).

Adaptive Cruise Control (ACC) cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles. The ACC system should not be used on winding roads or in adverse weather conditions such as heavy rain.

## Anti-Lock Braking System (ABS)

When braking, wheel speed sensors measure the road wheel speed and should one or more wheels start to lock the ABS system reduces brake pressure to that wheel. This prevents the wheels from locking during heavy or emergency braking, enabling the vehicle to remain steerable.

## Anti-Slip Regulation (ASR)

ASR is a traction control system that prevents the driven wheels from spinning under acceleration by reducing engine torque. It is active at speeds above 40km/h.

## Blind Spot Monitor with Rear Traffic Alert\*^

The Blind Spot Monitor with Rear Traffic Alert system supports the driver in assessing and avoiding dangerous situations, especially in critical situations, e.g. city and heavy traffic. The Blind Spot Monitor detects cars and motorcycles in the driver's blind spot and highlights these vehicles via a LED indicator in the door mirror. Rear Traffic Alert warns the driver of approaching traffic at the rear of the car when reversing via an audible warning followed by a visual message in the Optical Parking System (OPS).

Blind Spot Monitor with Rear Traffic Alert cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles.

## Brake Assist

During emergency braking, Brake Assist aids the driver by increasing the brake pressure automatically to a level exceeding the locking limit. The ABS is thus quickly brought into the operating range, which enables maximum vehicle deceleration to be achieved.

## Direct Shift Gearbox (DSG)

DSG is a manual gearbox in which the gearshifts are controlled electronically. What makes the DSG unique is that it has 2 separate gear sets operated by 2 clutches.

The benefit of 2 gear sets and 2 clutches is that one gear set and clutch is engaged driving the vehicle with the second disengaged clutch having already pre-selected the next gear awaiting for power to be

transferred. As the next gear has already been pre-selected prior to power being applied, the gear change only takes 3-4 100ths of a second. There is virtually no interruption to power, traction or acceleration.

The DSG also offers Tiptronic gear selection and sports mode.

## Electronic Brake-Pressure Distribution (EBD)

Electronic, more sophisticated means of regulating the ratio of front/rear brake pressure. Settings are varied according to driving and load conditions to ensure each wheel is braked to the optimum extent.

## Electronic Differential Lock (EDL)

EDL improves driving and steering characteristics when accelerating on road surfaces where each wheel has a different degree of traction. The system operates automatically and is combined with the ABS system. Using the ABS wheel sensors, EDL monitors the speed of the individual driving wheels. When a difference in driving wheel speed is detected (i.e. when one wheel starts to spin due to differences in road surfaces, e.g. due to water or dirt) the system brakes the spinning wheel, transferring engine power to the wheel with the best traction. EDL is active in forward and reverse and operates up to 40km/h.

## Electronic Stabilisation Program (ESP)

ABS and ASR traction control systems are integrated into the Electronic Stabilisation Program (ESP). In short, ESP helps ensure that the vehicle goes where you steer it even in extreme driving conditions. The ESP system constantly compares the actual movement of the vehicle with pre-determined values and should a situation arise where the vehicle starts to skid, ESP will apply the brakes to individual wheels and automatically adjust the engine's power output to correct the problem. ESP prevents the vehicle from losing control when trying to avoid an accident, for example. It also reduces the effects of understeer or oversteer.

## Fatigue Detection

The driver Fatigue Detection system automatically analyses the driving characteristics and if they indicate possible fatigue, recommends that the driver takes a break. The system continually evaluates steering wheel movements along with other signals in the vehicle on motorways and others roads at speeds in excess of 60 km/h, and calculates a fatigue estimate. If fatigue is detected, the driver is warned by information in the Multi-function Display and an acoustic signal. The warning is repeated after 15 minutes if the driver has not taken a break.

Fatigue Detection cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and therefore determining whether or not they are fit to drive. A driving time of 15 minutes is required in order to assess the driver correctly. The functionality of the system is restricted given a sporty driving style, winding roads and poor road surfaces.

## Front Assist with City Emergency Brake (City EB), Pedestrian and Cyclist Monitoring functions

The Front Assist ambient traffic monitoring system uses a radar sensor to detect critical distance situations and thus help to shorten the braking distance, reducing the risk of a rear-end collision.

The traffic ahead is monitored constantly by the radar at the front. If a vehicle is detected ahead of you in the lane, the distance and the speed relative to it are calculated. If the gap is closing too fast, Front Assist initially warns the driver by means of an audible as well as a visual signal. At the same time, the brake pads are brought into contact with the brake discs and the sensitivity of the Brake Assist is increased. This primes the braking system for a possible emergency stop. Furthermore, an automatic jolt of the brakes warns the driver of the danger. If the driver also fails to react to the warning jolt, Front Assist brakes automatically, helping to avoid a collision or reduce the severity of the accident.

\*Available as part of an optional package for specific models. ^Standard equipment for specific models.

# Glossary

The City Emergency Brake (City EB) function is a radar based emergency braking system designed to help a driver avoid a low-speed crash or to reduce its severity. At vehicle speeds below 30km/h, City EB monitors the area ahead of the car for vehicles which might present a threat of collision. If a collision is likely, City Emergency Braking first pre-charges the brakes and makes the emergency Brake Assist system more sensitive: if the driver should notice the risk, the car is ready to respond more quickly to their braking action. However, if the driver still takes no action and a collision becomes imminent, City Emergency Braking independently applies the brakes very hard. If the driver intervenes to try to avoid the accident, either by accelerating hard or by steering, City EB will deactivate and allow the driver to complete the avoidance manoeuvre.

Pedestrian and Cyclist Monitoring is an extension of the Front Assist monitoring system featuring the City Emergency Brake. The system uses a radar sensor in the radiator grille to monitor the area in front of the vehicle and within the limits of the system, register certain situations, for example a pedestrian stepping onto the road suddenly. The system then gives an immediate acoustic and visual signal to warn the driver. If the driver does not brake, the system initiates a jolt of the brake as a warning about the critical situation, while at the same time preparing for hard braking. If the driver fails to react, the system automatically performs emergency braking, within system limits. Ideally this will prevent a collision, or at least reduce its severity.

Front Assist with City Emergency Brake (City EB), Pedestrian and Cyclist Monitoring cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and must monitor the speed and distance in relation to other vehicles.

## Hill Start Assist

Hill Start Assist (HSA) holds the vehicle when the foot brake is released by temporarily locking the brake pressure (for a maximum of 1.5 seconds) to provide comfortable starting-off without rolling back. Hill Start Assist (HSA) operates on inclines greater than 5% and is fitted in combination with manual transmissions and the Direct Shift Gearbox (DSG).

## Lane Assist

Lane Assist is a lane departure warning system that is designed to help reduce the likelihood of the vehicle leaving the road or crossing into an oncoming lane and therefore the risk of accident as a result of driver distraction or a lapse in concentration.

The Lane Assist system monitors the road ahead with the aid of a camera (located near the interior rear-view mirror) which recognises lane markings and evaluates the position of the vehicle. If the vehicle starts to leave the lane, the Lane Assist system takes corrective steering action. If this is not sufficient the driver is warned about the situation by a steering vibration and is asked to take over the steering. Additionally, if no active steering movements by the driver are recognised for longer than approximately 8 seconds, a message will appear in the Multi-Function Display in conjunction with a warning tone. The corrective steering function can be overridden by the driver at any time and the system does not react if the turn indicator is set before crossing a lane marking.

Lane Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle and therefore staying in the lane at all times. The system will not work if there are no recognisable lane markings. The camera vision can be reduced by rain, snow, heavy spray or oncoming lights. This and vehicles in front of you can lead to the lane markings not being recognised by the Lane Assist system. The Lane Assist system does not activate at a vehicle speed of less than 65km/h.

## Light Assist^

Light Assist provides enhanced comfort and safety on the road by means of automatic high beam control. A camera on the interior mirror observes the traffic above 60 km/h and in complete darkness, Light Assist automatically switches on the high beam headlights. The system detects vehicles

travelling ahead, as well as oncoming traffic and automatically dips the headlights before they are dazzled. Automatic alternation between high beam and low beam headlights ensures optimum illumination of the road ahead.

## Manoeuvre Braking

Manoeuvre braking assists the driver to avoid or reduce damage in a potential collision by initiating emergency braking. It supports the driver during forward and reverse manoeuvring in a speed range of a maximum 10 km/h. If the risk for an accident is recognised, emergency braking is initiated to minimise possible damage.

Manoeuvre braking cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle. The object must be detected by the sensors. If the driver notices a risk that pedestrians, other vehicles or objects could be damaged they need to react accordingly and stop the vehicle.

## Multi-Collision Brake

The multi-collision brake has been designed to provide effective assistance for the driver in the moments after an accident. Multi-collision brake triggers automatic controlled braking once an initial collision has been detected so as to reduce the intensity of further accidents after a collision and can help prevent follow-on collisions with oncoming traffic.

The triggering of the multi-collision brake is based on a collision being detected by the airbag sensors. The ESP control unit limits the deceleration of the vehicle by the multi-collision brake to a defined value and vehicle speed. The vehicle can still be controlled by the driver, even when automatic braking is taking place. The driver can interrupt the multi-collision braking at any time by accelerating or braking even more strongly.

## Park Assist\*^

The third generation Park Assist system actively helps the driver when entering or reversing into 90° parking bays, as well as reversing into and driving out of parallel parking spaces. The system works by using sensors mounted either side of the front and rear bumpers together with parking distance sensors front and rear. To park, the driver simply presses the Park Assist button to select the type of parking manoeuvre and uses the appropriate indicator as the car slowly passes the potential parking space. Sensors scan the size of the parking space as the car is driven past and the driver is alerted if the parking space is big enough. If there is sufficient space, the driver stops the car, selects the correct gear and lets go of the steering wheel.

Park Assist will alert the driver of the intended path and subsequently the appearance of obstacles in the Multi-Function Display, within the driver's field of vision. Park Assist then actively supports the driver by taking over the steering control and parks the vehicle in the available space using the ideal course, if necessary with several moves. The driver can however take over the control of the steering at any time and end the automatic parking procedure.

Park Assist cannot replace the driver's attentiveness. The driver is still legally responsible for the vehicle. If the driver notices a risk that pedestrians, other vehicles or objects could be damaged or if they are uncertain of the risk, they will need to react accordingly and stop the vehicle, ending the function.

## Proactive occupant protection system\*^

The proactive occupant protection system incorporates active and passive safety elements. When the system detects a potential accident situation, the occupants and the vehicle are prepared for a possible accident. Automatic tensioning of the seat belts secures the driver and front passenger in their seats to attain the best possible protective potential of the airbag and belt system. In case of high transverse dynamics the side windows are also closed, leaving just a small air gap. Closing of the windows offers optimal support to the head and side airbags which results in the best possible protection.

\*Available as part of an optional package for specific models. ^Standard equipment for specific models.

# T-Cross

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