



AEB Fitment - Optional

# Thatcham Research

# 1st

## Porsche Macan SUV



A smaller SUV from Porsche,  
with a steel and aluminium body,  
and with ADAS fitment options.

#### MANUFACTURERS:

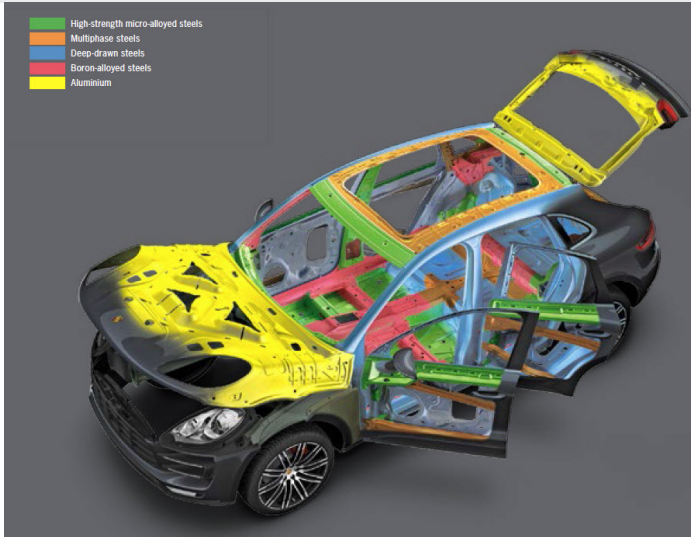
ALFA ROMEO  
AUDI  
BENTLEY  
BMW  
CADILLAC  
CHEVROLET  
CHRYSLER/JEEP  
CITROEN  
DACIA  
FIAT  
FORD  
GEELY  
GREAT WALL  
HONDA  
HYUNDAI  
INFINITI  
ISUZU  
JAGUAR  
KIA  
LAND ROVER  
LEXUS  
LOTUS  
MAZDA  
MERCEDES BENZ  
SAIC MG  
MINI  
MITSUBISHI  
NISSAN  
PEUGEOT  
**PORSCHE**  
PROTON  
RENAULT  
ROLLS ROYCE  
SEAT  
SKODA  
SSANGYONG  
SUBARU  
SUZUKI  
TATA  
TOYOTA  
VAUXHALL  
VW  
VOLVO  
OTHERS

#### OTHER CAT.:

REPAIR  
SAFETY  
GENERAL



# Porsche Macan SUV



## Structure :

The Macan is built on the Audi MLB platform at the Porsche Leipzig plant, following on from considerable investment in a new production line. The structure features a high percentage of high strength steels, with deep drawn Ultra High Strength steels (UHSS) for the side impact lateral protection through the B-post and sills. UHSS is also used within the doors to further keep the vehicle weight down, and aluminium has been used for the bonnet and tailgate.

Dimensions: Length 4681mm (4699mm for the Turbo version), body width 1923mm, height of 1624mm, with a wheel base of 2807mm.

The Macan is available with a glass panoramic roof.

## Technology :

The Macan features bi-xenon headlamps, with PDLS (Porsche Dynamic Lighting System) allowing the headlamp range to automatically change at higher speed. PDLS+ adds additional functions such as adapting the range to oncoming vehicles or vehicles travelling ahead.

The tail lamps feature LED technology with pulsating emergency brake lights.

## Adaptive Cruise Control with Porsche

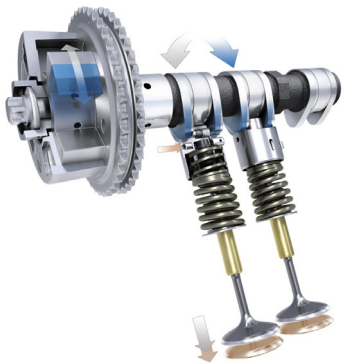
Active Safe: ACC with PAS is a radar based system (the radar is mounted behind the grille) with an effective monitoring range of 200 metres ahead to maintain a speed dependent range from the vehicle ahead. The PAS function will continually look ahead to identify collision risk; pre-conditioning the brakes, emitting audio and visual warnings and applying a warning jolt through the brake pedal. If the driver fails to react the system will apply pressure up to full braking to avoid, or mitigate an accident.

Lane Change Assist: uses rear radar sensors to monitor the area behind the vehicle and to alert the driver of vehicles within the mirror blind spots, prior to overtaking manoeuvres. (£397).

Lane Assist: this is a camera based system that detects the lane markings and will apply counter steering should the vehicle unintentionally start to drift out of its lane. (£397).

These two can be specified together (£793) Speed Limit Display is another system that uses the front camera, recognising speed limit signs and no-overtaking signs and displaying these in the driver's display.

Porsche Car Connect (PCC): provides an application for Android or Apple devices to allow remote vehicle location, or for locking/unlocking the vehicle by smartphone.





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Multi Collision brake system: automatically reacts and applies braking when the system detects an impact (via input from the SRS sensors), to prevent further damage and injury from a secondary crash. This is overridden and disengaged if the driver either accelerates or applies the brakes.

## Models: S, S Diesel, Turbo

S: can be recognised by “Macan S” emblem on the tailgate and stainless steel door tread plates, with 18” alloy wheels as standard.

The interior seat fabrics are alcantara/leather with colour options when leather package (£1052) or full leather (£2072) are selected, with no-cost beige option, featuring a high-gloss black finisher trim.

Air suspension with Porsche’s Active Suspension Management (PASM) is available (£785), as is Torque Vectoring Plus (£1012).

A Bose® Surround Sound System, sport seats, privacy glass (£320) and Xenon headlamps with Dynamic Lighting System are all available. The Panoramic roof is available for £1093.

Adaptive Cruise Control with Porsche Active Safe is a £923 option.

S Diesel: can be identified by the “diesel” emblems on each side, and 18” Macan S alloy wheels with silver brake callipers. The interior features 8-way electrically adjusted seats and black, beige or agate grey leather fabrics with high-gloss black interior trim.

20” Macan SportDesign or 21” alloy wheels are an option. Two colour leather seats are an option (£380), and an upgrade to Espresso natural leather (£922)

Air suspension with Porsche’s Active Suspension Management (PASM) is available

Safety options include Adaptive Cruise Control with Porsche Active Safe (ACC with PAS) and Lane Keeping systems.

Turbo: features a different front bumper with a lower apron, and Xenon headlamps as standard. This model features steel coil spring suspension. The air suspension is available as an option (£1004). The interior seat fabrics are partial leather with colour options when leather package (£1020) is selected, and is finished in brushed aluminium with a Bose® surround sound system. 19” Macan Turbo alloy wheels are standard

Options include alloy wheels up to 21”, a Burmester® surround sound system (£2428), privacy glass (£320), and a panoramic glass roof (£1093). Safety options include a dynamic lighting system (£328), Torque Vectoring Plus (£1012), and Adaptive Cruise Control with Porsche Active Safe (£923).

Park Assist is available, though some additional options such as a suitable infotainment display may be required too.










There are 9 interior fabric colour options, 4 of these being two-colour



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## Paint colours:

	Black		White
	Jet Black metallic £607		Rhodium Silver metallic £607
	Dark Blue metallic £607		Agate Grey metallic £607
	Mahogany metallic £607		Palladium metallic £607
	Aurum metallic £1,611		

## Powertrains :

**Turbo:** 3.6 3604cc V6 twin-turbo, 400bhp, 550Nm of peak torque, with stop/start system, and dry sump lubrication. Fuel tank capacity is 75 litres.

**S:** 3.0 2997cc V6 twin-turbo, 340bhp, 460Nm of peak torque, with stop/start system, and dry sump lubrication. This aluminium block engine features variable valve timing. Fuel tank capacity is 65 litres.

**S Diesel:** 3.0 V6 VGT turbo-diesel, 258bhp, 580Nm of peak torque, with stop/start system. The diesel engine is equipped with a Selective Catalyst Reduction system (SCR) that injects a urea solution into the exhaust gas to convert nitrogen oxides to nitrogen and water.

The Macan features energy recuperation, charging the battery more intensely during braking, but will also suspend charging whilst the battery is fully charged to reduce load on the engine. The power steering is electrically driven with no energy provided to the steering motor when no actual steering action is taking place, further improving energy efficiency. The electric power steering provides the correcting input of the Lane Keep Assistance systems.

The Macan also has the Porsche coasting function where the engine is decoupled to allow the vehicle to coast further when the driver lifts off the throttle pedal.

