



AEB Fitment - option on 1, standard on 4



# Thatcham Research 1st

## VW Passat saloon & estate



The 8<sup>th</sup> generation Passat, produced from the MQB platform set, with advanced materials. The Passat features AEB (Autonomous Emergency Braking) systems and will be available as a plug-in hybrid electric vehicle (PHEV).

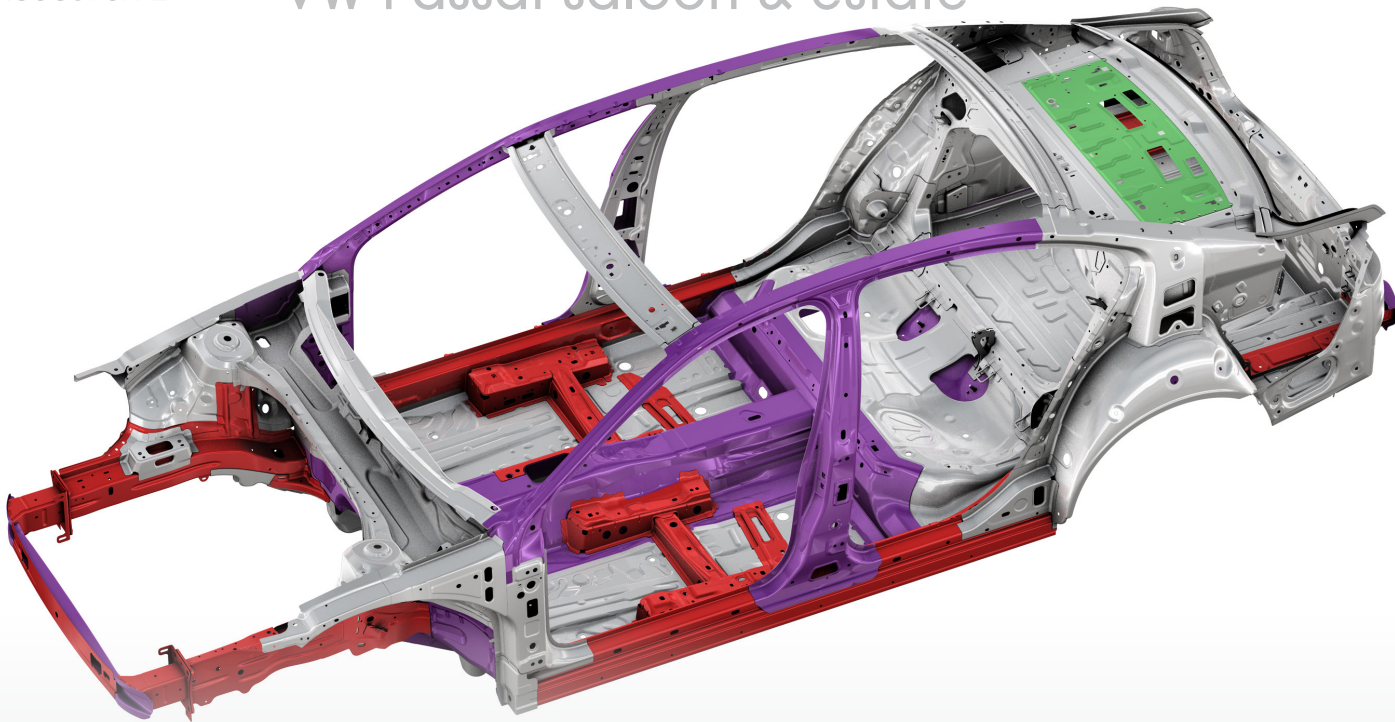
### MANUFACTURERS:

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





By utilising higher grade materials (as well as weight saving in the engine and electrical system) the Passat is <85kg lighter than the outgoing model. The new car is 2mm shorter than before at 4,767mm in length, though the wheelbase has increased by 79mm to 2,791mm. Height is 1,456mm and width is 1,832mm.

Press hardened steel forms the transmission tunnel, rear floor cross-member, the B-Post reinforcement, A post inner and roof side reinforcement rails. The sill reinforcements, chassis legs (front and rear) are of Advanced High Strength materials. In addition, aluminium has been used structurally for the rear scuttle area.

## Technology :

The new Passat features a new Active Info Display. This features a 12.3" display that provides virtual instruments in 2D or 3D, adapting the display to different functions and needs, for example moving the speedometer and tachometer to either side of the map in Navigation mode. It can display contact list information or album covers from the audio system. The display can be customised according to the model.

In addition, the Passat has a Head-Up Display for the first time. This enables information to be presented directly into the driver's eye line to reduce distraction and eye strain with a 2 metre virtual focal length. The HUD retracts into the fascia and does not require recalibrating for a windscreen replacement. The information to be displayed can be selected by the driver from the infotainment menu.





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As part of the optional Driver's Assistance Pack, the Passat features Predictive Pedestrian Protection, giving a visual and audible warning of a pedestrian at the edge of the road, and will autonomously brake if required.

Cameras with a 180° angle of view are located within the front grille, the door mirrors and the tailgate, to provide an all-round view for Area View to help manoeuvres such as parking.

Traffic Jam Assist is a driving aid for dense traffic, maintaining a fixed distance from the car ahead and providing steering input to keep the vehicle in its lane. This is NOT autonomous driving and requires the driver to maintain his hold of the steering wheel.

Trim levels : S, SE, SE Business, GT, R-Line

S models feature 16" 'Aragon' wheels, air conditioning, daytime running lights and remote central locking with keyless starting. Systems include Driver Alert System and Post Collision Braking system that applies the brakes to prevent a secondary accident.

SE models receive 17" 'London' alloy wheels, chrome side window trim, rain sensing wipers and auto-dimming driver's door mirror. Front Assist (ACC) with City Emergency Braking (AEB system) is a standard feature on this equipment level and above.

SE Business models feature front fog lamps with static cornering function, rear privacy glass and the 'Discover' navigation system.





GT models feature 18" 'Oxford' alloy wheels and chrome finisher trims to the front, rear and sides. It also includes LED tail lamps, 3-zone climate control and the colour multi-function display. The interior features heated front seats, and Alcantara and leather seat fabrics.

GT 2.0 BiTDi 240 models feature Dynamic Chassis Control, LED headlamps, and an electronic differential lock.

R-Line models feature 18" 'Monterrey' alloy wheels, the R-Line design sill extensions, grille, front and rear bumpers and leather R-Line interior. R-Line 2.0 BiTDi models feature 18" 'Monterrey' alloy wheels, the R-Line design sill extensions, grille, and front and rear bumpers, and leather R-Line interior, Dynamic Chassis Control, LED headlamps and an electronic differential lock.

The exterior R-Line package includes the R-Line bumper and grille, exhaust finishers and sill extensions. The estate package includes a roof spoiler as well.

The Driver's Assistance Pack includes Lane Assist (LDW), Side Scan (a blind spot warning system), Traffic Jam Assist, Dynamic Light Assist and Traffic Sign Recognition.







### Paint Colours :

	Pure White 0Q		Harvard Blue 4P metallic		Tungsten Silver K5 metallic
	Urano Grey 5K		Sand Gold 4T metallic		Reflex Silver 8E metallic
	Oryx White 0R Premium colour		Deep Black 2T Pearl		Indium Grey X3 metallic
	Night Blue Z2 metallic		Dark Oak Brown P0 metallic		Crimson Red 5P Premium colour

### Powertrains :

All engines are common rail diesels that meet the EU6 emissions standard. All are Turbo-charged, with Selective Catalytic Reduction on the 190 PS and 240 PS models.

designation	type	capacity	Output	Peak torque	CO2 emissions	transmissions
1.6 TDI	4 cylinder diesel	1598cc	120 PS	250 Nm	103 - 109 g/km	6sp MT, 7sp Auto DSG
2.0 TDI	4 cylinder diesel	1968cc	150 PS	340 Nm	106 - 119 g/km	6sp MT, 6sp Auto DSG
2.0 TDI SCR	4 cylinder diesel	1968cc	190 PS	400 Nm	107 - 119 g/km	6sp MT, 6sp Auto DSG
2.0 BiTDi	4 cylinder diesel	1968cc	240 PS	500 Nm	139 g/km	7sp Auto DSG

