



| Features and Specifications                      |   |        |                    |                    |                 |
|--|---|--------|--------------------|--------------------|-----------------|
| Safety and Security                              |   | 118TSI | 118TSI Comfortline | 103TDI Comfortline | 147TSI Highline |
| Airbags  | Driver and front passenger airbags  | S      | S                  | S                  | S               |
|  | Driver and front passenger side airbags   | S      | S                  | S                  | S               |
|  | Curtain airbags, front and rear   | S      | S                  | S                  | S               |
| Anti-theft                                       | Alarm system with interior monitoring and tilt sensor                                   | -      | O                  | O                  | O               |
|  | Electronic engine immobiliser   | S      | S                  | S                  | S               |
| Body   | Fully galvanised with 12 year anti-corrosion perforation warranty                       | S      | S                  | S                  | S               |
|  | Door side impact protection   | S      | S                  | S                  | S               |
|  | Rigid safety cell with front and rear crumple zones                                     | S      | S                  | S                  | S               |
| Brakes   | Anti-lock Braking System (ABS)  | S      | S                  | S                  | S               |
|  | Electronic Brake-pressure Distribution (EBD)  | S      | S                  | S                  | S               |
|  | Brake Assist  | S      | S                  | S                  | S               |
|  | Hill Start Assist (HSA)   | S      | S                  | S                  | S               |
| Child restraint                                  | Child seat anchor points mounted on rear parcel shelf (3)                               | S      | S                  | S                  | S               |
| Entry/warning reflectors in front and rear doors |   | S      | S                  | S                  | S               |
| Lighting   | Daytime driving lights  | S      | S                  | S                  | S               |
|  | Front fog lights with static cornering lights, mounted in lower bumper                  | -      | -                  | -                  | S               |
|  | Rear fog lamp   | S      | S                  | S                  | S               |
| Head restraints                                  | Front safety optimised head restraints, height adjustable                               | S      | S                  | S                  | S               |
|  | Rear head restraints height adjustable (3)  | S      | S                  | S                  | S               |
| Locking  | Remote central locking with deadlock mechanism  | S      | S                  | S                  | S               |
|  | 2 stage unlocking (programmable)  | S      | S                  | S                  | S               |
|  | Automatic locking after takeoff (programmable)  | S      | S                  | S                  | S               |
|  | One touch lock / unlock for driver  | S      | S                  | S                  | S               |
|  | Child safety locks on rear doors  | S      | S                  | S                  | S               |
| Seat belts                                       | Front height adjustable with pre-tensioners and belt force limiters                     | S      | S                  | S                  | S               |
|  | Visual and acoustic warning for driver and front seat passenger seat belts not fastened | S      | S                  | S                  | S               |
|  | 3 point seat belts for all passengers   | S      | S                  | S                  | S               |
| Traction control                                 | Anti-Slip Regulation (ASR)  | S      | S                  | S                  | S               |
|  | Electronic Differential Lock (EDL)  | S      | S                  | S                  | S               |
|  | Electronic Stabilisation Program (ESP)  | S      | S                  | S                  | S               |
| Exterior Equipment / Styling                     |   |        |                    |                    |                 |
| Body enhancements                                | Body coloured bumper bars, door handles and exterior mirrors                            | S      | S                  | S                  | S               |
|  | Chrome inserts in radiator grille   | -      | S                  | S                  | S               |
|  | Chrome lower air intake highlight   | -      | -                  | -                  | S               |
|  | Chrome strip on lower edge of side window frames  | -      | -                  | -                  | S               |
|  | Chrome trim on lower boot lid   | A      | A                  | A                  | A               |
|  | Dual chrome exhaust tail pipe trims, left   | A      | A                  | A                  | S               |
|  | Exposed exhaust tail pipes  | S      | S                  | S                  | S               |
|  | Sports body kit   | A      | A                  | A                  | A               |
| Paint  | Metallic or Pearl Effect paint finish   | O      | O                  | O                  | O               |



| Exterior Equipment / Styling (cont'd)                              |  | 118TSI | 118TSI Comfortline | 103TDI Comfortline | 147TSI Highline |
|--|--|--------|--------------------|--------------------|-----------------|
| Protection   | Bonnet protector   | A      | A                  | A                  | A               |
|  | Headlight protectors   | A      | A                  | A                  | A               |
|  | Loading sill protection  | A      | A                  | A                  | A               |
|  | Mudflaps, front and rear   | A      | A                  | A                  | A               |
|  | Slimline weather shields   | A      | A                  | A                  | A               |
| Roof   | Roof bars  | A      | A                  | A                  | A               |
|  | Bicycle, kayak, ski, surfboard and snowboard holders   | A      | A                  | A                  | A               |
|  | Luggage rack   | A      | A                  | A                  | A               |
|  | Ski and luggage box  | A      | A                  | A                  | A               |
| Sports suspension with 15mm lowered ride height                    |  | -      | -                  | -                  | S               |
| Turn indicators integrated in exterior mirrors with LED technology |  | S      | S                  | S                  | S               |
| Tinted Glass   | Heat insulating tinted glass   | S      | S                  | S                  | S               |
| Towbar   | Towbar with 7-pin flat trailer connector and removable tongue  | A      | A                  | A                  | A               |
| Wheels   | Steel wheels 16 x 6½" with full wheel trims and 205/55 R16 tyres   | S      | -                  | -                  | -               |
|  | Alloy wheels (Navarra) 16 x 6½" with 205/55 R16 tyres  | -      | S                  | S                  | -               |
|  | Alloy wheels (Queensland) 17 x 7" with 225/45 R17 tyres  | -      | -                  | -                  | S               |
|  | Alloy Wheels (various designs) 16, 17 and 18"<br>Please consult your Volkswagen Dealer for correct wheel and tyre fitment by model | A      | A                  | A                  | A               |
|  | Anti-theft wheel bolts   | A      | S                  | S                  | S               |
|  | Steel spare wheel 16 x 6½" with 205/55 R16 tyre<br>Please note: The 147TSI Highline spare wheel and tyre is speed restricted.      | S      | S                  | S                  | S               |
|  | Low tyre pressure indicator  | -      | S                  | S                  | S               |
| <b>Comfort and Convenience</b>                                     |  |        |                    |                    |                 |
| Armrest  | Front centre armrest with storage box, rear air outlets (2)  | S      | S                  | S                  | S               |
|  | Rear seat centre armrest with load through provision and cup holders (2)   | -      | S                  | S                  | S               |
| Air conditioning   | Air conditioning, manual control   | S      | -                  | -                  | -               |
|  | Dual zone automatic (2 modes) climate control with indirect ventilation mode   | -      | S                  | S                  | S               |
|  | Air quality sensor with automatic air recirculation  | -      | S                  | S                  | S               |
|  | Dust and pollen filter   | S      | S                  | S                  | S               |
| Cruise control   |  | S      | S                  | S                  | S               |
| Cup holders  | Bottle holders in front door pockets   | S      | S                  | S                  | S               |
|  | Centre console, front (2)  | S      | S                  | S                  | S               |
|  | Rear seat centre armrest (2)   | -      | S                  | S                  | S               |
| Floor mats   | Front and rear, carpet   | A      | S                  | S                  | S               |
|  | Front and rear, rubber   | A      | A                  | A                  | A               |
| Fuel filler flap   | Electrically operated via switch on drivers door   | S      | S                  | S                  | S               |
| Grab handles   | Soft fold away grab handles (4)  | S      | S                  | S                  | S               |
| Headlights   | Daytime driving lights   | S      | S                  | S                  | S               |
|  | Halogen headlights with clear polycarbonate lens   | S      | S                  | S                  | S               |
|  | Headlight-on warning buzzer  | S      | S                  | S                  | S               |
|  | Headlight washer system  | -      | -                  | -                  | S               |
|  | Internal headlight range adjustment  | S      | S                  | S                  | S               |
|  | Low light sensor with automatic headlight function   | -      | S                  | S                  | S               |
|  | Coming / leaving home function   | -      | S                  | S                  | S               |
|  | Combined headlight and fog light rotary switch   | S      | S                  | S                  | S               |



| Comfort and Convenience (cont'd)    |   | 118TSI | 118TSI Comfortline | 103TDI Comfortline | 147TSI Highline |
|-------------------------------------|---|--------|--------------------|--------------------|-----------------|
| In car entertainment and technology | AM/FM security coded radio (RCD310) with MP3 compatible CD player   | S      | S                  | S                  | -               |
|                                     | AM/FM security coded radio (RCD510) with 6½" touch screen display, MP3 compatible SD card slot and 6 disc CD changer, in dash   | A      | A                  | A                  | S               |
|                                     | Audio and telephone functions mounted on steering wheel   | S      | S                  | S                  | S               |
|                                     | Auxiliary input socket for external audio source in front centre console  | S      | S                  | S                  | S               |
|                                     | Bluetooth® phone connectivity with phonebook display, operation via touch screen audio unit or MFD Plus and Bluetooth® audio streaming  | S      | S                  | S                  | S               |
|                                     | Media Device Interface (MDI), fitted in the glove compartment and supplied with USB connection cable  | S      | S                  | S                  | S               |
|                                     | Media Device Interface (MDI) connection cables for iPod®, mini USB and auxiliary input  | A      | A                  | A                  | A               |
|                                     | Satellite navigation system (RNS510)  | A      | O                  | O                  | O               |
|                                     | High-resolution touch screen display in 16:9 format, 2D, topographical and 3D (bird's eye) map views, voice control for navigation and radio functions, integrated 30 GB hard drive for storing music and navigation data, SD card slot and single DVD drive for the playback of audio CD/MP3 |        |                    |                    |                 |
|                                     | Speakers, front and rear (8)  | S      | S                  | S                  | S               |
| Instrumentation                     | Speedometer & tachometer, electronic odometer and tripmeter, service interval display, digital clock, fuel & coolant gauges, low fuel warning light, and white adjustable illumination  | S      | S                  | S                  | S               |
| Interior highlights                 | 'Matte Chrome' inserts in dashboard and doors   | S      | -                  | -                  | -               |
|                                     | 'Black Pyramid' inserts in dashboard and doors  | -      | S                  | S                  | -               |
|                                     | 'Iridium' inserts in dashboard and doors  | -      | -                  | -                  | S               |
|                                     | Chrome trim on instrument cluster and gearshift lever surround  | S      | S                  | S                  | S               |
|                                     | Chrome trim on air vent surrounds and rotary light switch   | -      | S                  | S                  | S               |
|                                     | Door sill scuff plates  | A      | A                  | A                  | A               |
|                                     | Leather covered steering wheel and gearshift knob   | S      | S                  | S                  | S               |
|                                     | Retro styled manual gearshift knob  | A      | -                  | -                  | -               |
| Stainless-steel sports pedal set    | A   | A      | A                  | A                  |                 |
| Interior lighting                   | With time delay   | S      | S                  | S                  | S               |
|                                     | Front reading lights  | S      | S                  | S                  | S               |
| Luggage compartment                 | Automatic boot lid release  | S      | S                  | S                  | S               |
|                                     | Luggage compartment light   | S      | S                  | S                  | S               |
|                                     | Luggage compartment protection, moulded foam, moulded rubber  | A      | A                  | A                  | A               |
|                                     | Luggage compartment removable storage divider and storage net   | -      | S                  | S                  | S               |
|                                     | Rear seat remote release  | S      | S                  | S                  | S               |
| 12 volt socket                      | -   | -      | -                  | S                  |                 |
| Mirrors                             | Automatic dimming interior rear-view mirror   | -      | S                  | S                  | S               |
|                                     | Electrically heated and adjustable exterior mirrors   | S      | S                  | S                  | S               |
|                                     | Electrically foldable exterior mirrors with environment lighting  | -      | S                  | S                  | S               |
|                                     | Automatic kerb function when reversing, passenger's side exterior mirror  | -      | S                  | S                  | S               |
|                                     | Turn indicators with LED technology integrated in exterior mirrors  | S      | S                  | S                  | S               |
| Parking distance sensors            | Audio volume level reduction when parking sensor warning is activated   | -      | S                  | S                  | S               |
|                                     | Optical Parking System (OPS) in radio display   | -      | S                  | S                  | S               |
|                                     | Parking distance sensors, front and rear with acoustic warning  | -      | S                  | S                  | S               |
|                                     | Parking distance sensors, rear  | A      | -                  | -                  | -               |
| Power steering                      | Electro-mechanical, vehicle speed and steering input sensitive  | S      | S                  | S                  | S               |



| Comfort and Convenience (cont'd)                     |   | 118TSI   | 118TSI Comfortline | 103TDI Comfortline | 147TSI Highline |
|--|---|--|--------------------|--------------------|-----------------|
| Seating  | Comfort front seats   | -  | S                  | S                  | -               |
|  | Sports front seats  | -  | -                  | -                  | S               |
|  | Height adjustment for front seats   | S  | S                  | S                  | S               |
|  | Lumbar adjustment for front seats   | -  | S                  | S                  | S               |
|  | Electric seat and lumbar adjustment for driver<br><small>The electrically adjustable driver's seat is only available in combination with leather appointed seat upholstery. Electric seat adjustment replaces storage drawer under driver's seat.</small> | -  | O                  | O                  | O               |
|  | Split folding rear seat backrest (60/40) with rear seat remote release from luggage area  | S  | S                  | S                  | S               |
|  | Rear seat centre armrest with load through provision  | -  | S                  | S                  | S               |
|  | Steering wheel  | 3 spoke leather rimmed steering wheel  | S                  | S                  | S               |
| Audio, telephone and Multi-Function Display controls |   | S  | S                  | S                  | S               |
| Height and reach adjustable steering wheel           |   | S  | S                  | S                  | S               |
| Storage  | Chillable glove box with illumination, lockable   | S  | S                  | S                  | S               |
|  | Centre console storage compartment  | S  | S                  | S                  | S               |
|  | Coin tray and 12 volt socket in console   | S  | S                  | S                  | S               |
|  | Drawers under front seats   | -  | -                  | -                  | S               |
|  | Front seat backrest storage pockets   | -  | S                  | S                  | S               |
|  | Front door pockets with bottle holders and rubber mats  | S  | S                  | S                  | S               |
|  | Compartment in roof console with lid  | S  | S                  | S                  | S               |
| Sunroof  | Glass sunroof, electrically slide and tilt adjustable with sunblind   | -  | O                  | O                  | O               |
| Transmission   | 6 speed manual transmission   | S  | -                  | -                  | -               |
|  | 6 speed Direct Shift Gearbox (DSG)  | -  | -                  | S                  | S               |
|  | 7 speed Direct Shift Gearbox (DSG)  | O  | S                  | -                  | -               |
| Trip computer  | Multi-Function Display (MFD Plus) – trip time, trip length, average speed, average and current fuel consumption, distance till empty and outside temperature, audio, telephone and convenience menus  | S  | S                  | S                  | S               |
| Upholstery   | Cloth seat upholstery   | S  | -                  | -                  | -               |
|  | Comfort cloth seat upholstery   | -  | S                  | S                  | -               |
|  | Vienna leather appointed seat upholstery with individually heated front sports seats and under seat storage drawers<br><small>Some parts of the leather appointed seat upholstery will contain man made material.</small>                                 | -  | O                  | O                  | S               |
|  | Vanity mirrors  | Driver's and passenger's side vanity mirrors<br>Illuminated on driver's and passenger's side | S<br>S             | S<br>S             | S<br>S          |
| Wipers   | 2 speed aero wipers with wash/wipe and vehicle speed sensitive intermittent wipe  | S  | S                  | S                  | S               |
|  | Rain sensor   | -  | S                  | S                  | S               |
|  | Warning light for low washer fluid level  | -  | -                  | -                  | S               |
| Windows  | Power front/rear, with roll-back function, driver with one-touch up-down  | S  | S                  | S                  | S               |
|  | Remote operated convenience close and open feature  | S  | S                  | S                  | S               |
|  | Sunblind for rear window  | A  | A                  | A                  | A               |
| 12V socket   | Centre console, front and rear  | S  | S                  | S                  | S               |
|  | Luggage compartment   | -  | -                  | -                  | S               |
| <b>Optional Packages</b>                             |   |  |                    |                    |                 |
| Sport package  | Porto 17 x 7" alloy wheels with 225/45 R17 tyres (4)  | -  | O                  | O                  | -               |
|  | Dark tinted rear side windows and rear window, 65% light absorbing  |  |                    |                    |                 |
|  | Front fog lights, mounted in lower bumper   |  |                    |                    |                 |
|  | Sports suspension with 15mm lowered ride height   |  |                    |                    |                 |
|  | <small>Please note: The spare wheel and tyre is speed restricted in combination with this option</small>  |  |                    |                    |                 |



Optional Packages (cont'd)

|               |   | 118TSI | 118TSI Comfortline | 103TDI Comfortline | 147TSI Highline |
|---------------|---|--------|--------------------|--------------------|-----------------|
| Sport package | Queensland Black 17 x 7" alloy wheels with 225/45 R17 tyres (4)<br>Dark tinted rear side windows and rear window, 65% light absorbing<br>Please note: The spare wheel and tyre is speed restricted in combination with this option. | -      | -                  | -                  | O               |

Technical Specifications

|                                | 118TSI<br>118TSI Comfortline~                                    | 147TSI Highline  | 103TDI Comfortline   |     |
|--------------------------------|--|--|--|-----|
| Engine                         | 1.4 litre TSI  | 2.0 litre TSI  | 2.0 litre TDI  |     |
| Type                           | 4 cylinder inline Twincharger direct injection petrol            | 4 cylinder inline turbo direct injection petrol                            | 4 cylinder inline turbo charged diesel   |     |
| Installation                   | Front transverse   | Front transverse   | Front transverse   |     |
| Cubic capacity, litres/cc      | 1.4 / 1390   | 2.0 / 1984   | 2.0 / 1968   |     |
| Bore/stroke, mm                | 76.5 / 75.6  | 82.5 / 92.8  | 81.0 / 95.5  |     |
| Max power, kW @ rpm            | 118 @ 5800   | 147 @ 5100   | 103 @ 4200   |     |
| Max torque, Nm @ rpm           | 240 @ 1500-4000  | 280 @ 1700   | 320 @ 1750-2500  |     |
| Compression ratio              | 10:1   | 9.6:1  | 16.5:1   |     |
| Fuel system                    | Bosch Motronic   | Bosch Motronic   | Bosch common rail  |     |
| Ignition system                | Electronic   | Electronic   | Compression  |     |
| Exhaust emission control       | Exhaust gas recirculation, catalytic converter and lambda probes | Exhaust gas recirculation, Two 3 way Catalytic Converter with Lambda Probe | Exhaust gas recirculation with oxidising catalytic converter and diesel particulate filter |     |
| Emission level                 | EU 5^  | EU 5^  | EU 5^  |     |
| Fuel type (Recommended)        | Premium unleaded 95 RON minimum                                  | Premium unleaded 95 RON minimum  | Diesel 51CZ  |     |
| Transmission                   | 6 Speed Man 7 Speed DSG  | 6 Speed DSG  | 6 Speed DSG  |     |
| Driven wheels                  | Front wheel drive  | Front wheel drive  | Front wheel drive  |     |
| Performance #                  |  |  |  |     |
| 0 – 100km/h, seconds           | 8.3  | 8.3  | 7.5  | 9.5 |
| Fuel consumption*              |  |  |  |     |
| Combined, L / 100km            | 6.5  | 6.2  | 7.9  | 5.5 |
| Urban, L/100km                 | 8.3  | 7.7  | 10.8   | 6.9 |
| Extra Urban, L/100km           | 5.3  | 5.3  | 6.1  | 4.7 |
| CO <sub>2</sub> emission, g/km | 150  | 144  | 183  | 143 |
| Fuel tank capacity, Litres     | 55   | 55   | 55   | 55  |

~ The 118TSI Comfortline model is available exclusively with a 7 speed DSG transmission.

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

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

\* Fuel consumption figures according to Australian Design Rule (ADR) 81/02.

The driving style, road and traffic conditions, environmental influences, the fitment of accessories and vehicle condition can in practice lead to consumption figures which may differ from those calculated with these standards.


**Technical Specifications (cont'd)**

|                                 |                    | 118TSI   | 147TSI Highline | 103TDI Comfortline |
|---------------------------------|--------------------|--|-----------------|--------------------|
|                                 |                    | 118TSI Comfortline~  |                 |                    |
| Running Gear                    |                    | 1.4 litre TSI  | 2.0 litre TSI   | 2.0 litre TDI      |
| Suspension                      | Front axle         | Independent, MacPherson struts with lower A-arms. Anti-roll bar.<br>Sports Suspension (147TSI Highline)                                      |                 |                    |
|                                 | Rear axle          | Independent, four-link with coil springs. Anti-roll bar.<br>Sports Suspension (147TSI Highline)  |                 |                    |
| Steering                        |                    | Electro-mechanical power assisted rack & pinion steering   |                 |                    |
| Brake systems                   |                    | Anti-lock Braking System (ABS) with Electronic Brake-pressure Distribution (EBD),<br>Brake Assist and Electronic Stabilisation Program (ESP) |                 |                    |
| Brakes                          | Front              | Ventilated Discs   |                 |                    |
|                                 | Rear               | Discs  |                 |                    |
| Turning circle (m)              |                    | 11.1   |                 |                    |
| <b>Weights</b>                  |                    | 6 Speed Man  | 7 Speed DSG     | 6 Speed DSG        |
| Tare Mass Kg                    |                    | 1317   | 1337            | 1393               |
| Towing                          | Braked             | 1400   | 1400            | 1400               |
| Capacity kg                     | Unbraked           | 680  | 680             | 680                |
| Towbar Load Limit kg            |                    | 75   | 75              | 75                 |
| <b>Exterior Dimensions</b>      |                    |  |                 |                    |
| Overall length mm               |                    | 4744   |                 |                    |
| Width mm                        |                    | 1778   |                 |                    |
| Height mm                       |                    | 1473   |                 |                    |
| Wheelbase mm                    |                    | 2633   |                 |                    |
| Track mm                        | Front              | 1538   |                 |                    |
|                                 | Rear               | 1535   |                 |                    |
| <b>Luggage Area Dimensions#</b> |                    |  |                 |                    |
| Luggage area                    | Rear seat upright  | 510  |                 |                    |
| Luggage area                    | Rear seat upright  | 1092   |                 |                    |
|                                 | Rear seat folded   | 1858   |                 |                    |
| Luggage area                    | At widest point    | 1345   |                 |                    |
|                                 | At narrowest point | 1008   |                 |                    |
| Luggage area                    |                    | 498  |                 |                    |
| height mm                       |                    |  |                 |                    |
| Luggage area                    | Height             | 354  |                 |                    |
|                                 | opening mm         | 992  |                 |                    |

~ The 118TSI Comfortline model is available exclusively with a 7 speed DSG transmission.

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



**Colour Combinations**

**EXTERIOR COLOUR**

**Tornado Red**  
**Deep Black PE**  
**Candy White**  
**Reflex Silver M**  
**Tempest Blue M**  
**Silver Leaf M**  
**Platinum Grey M**

**INTERIOR TRIM**

**118TSI**

|                             |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|
| Black cloth seat upholstery | S | S | S | S | S | S | S |
|-----------------------------|---|---|---|---|---|---|---|

**118TSI Comfortline**

**103TDI Comfortline**

|  |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|
| Black comfort cloth seat upholstery                      | S | S | S | S | S | S | S |
| Black Vienna leather appointed seat upholstery           | O | O | O | O | O | O | O |
| Corn Silk Beige Vienna leather appointed seat upholstery | O | O | O | O | O | O | O |

**147TSI Highline**

|  |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|
| Black Vienna leather appointed seat upholstery           | S | S | S | S | S | S | S |
| Corn Silk Beige Vienna leather appointed seat upholstery | S | S | S | S | S | S | S |

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



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## Glossary

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### **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 switchable traction control system that prevents the wheels from spinning under acceleration by reducing engine torque.

### **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 multi-plate clutches. The benefit of 2 gear sets and 2 multi-plate clutches is that one gear set and clutch is engaged driving the vehicle with the second 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.

### **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 prevents spinning off on a curve due to either understeer or oversteer.

### **Hill Start Assist (HSA)**

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 the Direct Shift Gearbox (DSG).

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