



ASTON MARTIN

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### **SUBLIME CHOICES: DB11 NOW OFFERED WITH V8 ENGINE**

- **DB11 now available with choice of twin-turbocharged 4.0-litre V8 or 5.2-litre V12 engines**
- **New V8 delivers 503bhp and 675Nm with a CO<sup>2</sup> figure of 230g/km<sup>1</sup>**

28 June 2017, Gaydon: After its successful global introduction in 2016, Aston Martin's definitive GT - the acclaimed DB11 - is now available with a 4.0-litre twin-turbocharged V8 engine. Perfectly complementing the DB11's existing 5.2-litre twin turbocharged V12 engine, this new powerplant has provided the opportunity to reveal more of the DB11's sporting character, while expanding its global appeal with a combination of exceptional performance and improved efficiency.

Producing 510PS (503BHP) and 675Nm of torque, the V8 engine's potency is beyond question, propelling the DB11 from 0-62mph in just 4.0sec and on to a top speed of 187mph. This exceptional performance is matched by impressive efficiency: CO<sup>2</sup> emissions of 230g/km<sup>1</sup> and an EU Combined fuel economy figure of 28.5mpg<sup>1</sup>. This new V8 derivative brings further significant benefits in markets where car taxation policy is structured around engine capacity, such as China.

Aston Martin Chief Technical Officer, Max Szwaj, commented: "As an engineer I find the DB11 a fascinating car. One with great depth of character and ability. Of course the V12-engined variant is an icon - an ultimate, if you like, but the V8 is very much its own car. One with a distinct and carefully crafted character that's truly seductive. It has been hugely rewarding to put our stamp on this new engine - both in the way it sounds and performs - and to use its impressive attributes as the impetus to reveal a little more of the DB11's sporting character.

"To be able to offer not one, but two exceptional GT cars is terrific for Aston Martin and our customers. I'm particularly proud that this car is the first to receive an engine supplied by our technical partner, Mercedes-AMG. Not least because thanks to the nature of our relationship with AMG we have been given complete freedom to tailor this exceptional power unit so that it meets the particular needs and demands of an Aston Martin."

The inherent qualities of this light, compact and characterful power unit make it the ideal choice to sit alongside the existing V12 engine. Aston Martin's engineering team has tailored the V8 engine perfectly for its application in the DB11 with bespoke air intake, exhaust and wet sump lubrication systems.

Electronic calibration of the V8 engine has included creating new ECU software and reprogramming the engine and throttle mapping to ensure it possesses the all-important feel and sound for which Aston Martins are renowned.

With its rich reserves of effortless performance, the V12-engined DB11 already fulfills the role of consummate high-performance luxury Grand Tourer. This provided the ideal opportunity to explore the more dynamic side of the DB11's character and capabilities with the V8-engine option.

To this end Aston Martin engineers designed new engine mounts, which together with the bespoke, slimline wet sump system enables the V8 to be mounted as low as possible for an optimised centre-of-gravity. The V8 engine is also lighter and more compact than the V12, which contributes to a saving of 115kg and a kerbweight of 1760kg.

With more of that mass centred within the wheelbase, the V8-engined DB11 has an increased sense of agility - a quality that has been fully exploited with detailed revisions to the suspension bushing, geometry, anti-roll bars, springs, dampers and ESP software. By carefully crafting its dynamic character to be distinct from that of the V12, the V8 appeals to those customers drawn to a refined and comfortable GT with a more sporting bias.

There are subtle visual differences between the two variants that include a unique alloy wheel finish, dark headlamp bezels and a pair of bonnet vents instead of the quartet featured on the V12. These vents come in a choice of black or titanium-finish mesh, again different from that fitted to the twelve-cylinder variant.

Inside, both V8 and V12 customers have the same standard equipment levels and the same extensive choice of colour and trim options. They can also elect to enhance the specification of their car via the same Option Packs and Designer Specification packages, plus a suite of Q by Aston Martin - Collection options.

Aston Martin President and CEO, Dr Andy Palmer said of the V8-engined DB11: "The DB11 is the most complete and sophisticated car Aston Martin has ever made. Now, with this new V8 engine option we have broadened its appeal by offering a car that will bring the DB11 to more customers around the world while still blessed with the exceptional performance and memorable character

that sets Aston Martin apart from its rivals. Having driven the car during its development phase, it is not just the engine that has changed the character of the car, but also the resulting dynamic changes to create a remarkable GT car with its own distinct personality from the V12.”

The V8-powered DB11 is on sale now with a recommended retail price from £144,900 in the UK, €184,000 in Germany and \$198,995 in the US. Deliveries will commence in Qtr 4 2017. The new V8-powered DB11 will make its dynamic debut at the Goodwood Festival of Speed, this weekend.

- ENDS -

1. Predicted figure

**Note to Editors:**

V12-powered DB11 recommended retail price starts from £157,900 in the UK, €208,900 in Germany and \$216,495 in the US

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## Attachment 1

### Aston Martin V8-powered DB11 Specification

#### Body

- Two door body style with deck-lid and 2 GT seats
- Extruded bonded aluminium body structure including Hot Form Quenched (HFQ) aluminium
- Cast-magnesium door structures
- LED headlamps with integrated daytime running, side lights and direction indicators
- LED light blade tail-lamps
- Deployable spoiler to improve downforce
- 1 piece clamshell with syncing latches
- Curlicue aero feature in fender
- Laminated glass all-round for improved NVH

#### Engine

- 90°V8
- Dual Single Scroll Turbochargers (one per bank)
- Direct Injection -Sequential electronic fuel injection
- Coil on Plug - Delphi
- Unleaded Petrol (95 Min RON)
- Firing Order – 1,5,4,2,6,3,7,8
- Bore – 83mm
- Stroke – 92 mm
- Capacity – 3982cm<sup>3</sup>
- Compression Ratio – 10.5:1
- Max Engine Speed – 7200rpm
- Max Net Torque – 513lbft / 675Nm @2000-5000rpm
- Max Net Power – 503bhp / 375kW @6000rpm
- Bosch Engine Management Software
- 12V, 250A Valeo Alternator
- Wet sump pressurised system
- 4 catalytic converters with oxygen sensors
- 3 driver selectable powertrain calibrations
- Engine stop/start

#### European Fuel Economy Figures

- CO<sub>2</sub> - 230g/km<sup>1</sup>

#### Transmission

- Rear mid-mounted eight speed automatic gearbox with electronic shift-by-wire control system
- Alloy torque tube with carbon fibre propeller shaft
- Limited-slip differential
- Final Drive Ratio 2.703:1

#### Steering

- Electric Power Assisted Steering rack with 13:1 steering ratio
- Speed-dependent rack and pinion power-assisted steering, 2.4 turns lock-to-lock
- Electric Column tilt and reach adjustment

#### Suspension

- **Front** Independent double wishbone, coil springs, anti-roll bar and adaptive dampers
- **Rear** Multi-Link, coil springs, anti-roll bar and adaptive dampers
- Adaptive Damping System (ADS) with Skyhook technology modes GT, Sport & Sport +

## Wheels and Tyres

- 20" 10-spoke alloy wheels
- **Front** 9J x 20" Bridgestone S007 255/40 ZR20
- **Rear** 11.0J x 20" Bridgestone S007 295/35 ZR20

## Brakes

- **Front** Ventilated two-piece steel brake discs Ø400 X 36mm with six-piston calipers
- **Rear** Ventilated Co-cast steel brake discs Ø360 x 32mm with four-piston calipers
- Electric park brake
- Dynamic Stability Control (DSC)
- Anti-lock braking system (ABS)
- Electronic Brakeforce Distribution (EBD)
- Emergency Brake Assist (EBA)
- Traction Control (TC)
- Hydraulic Brake Assist (HBA)
- Positive Torque Control (PTC)
- Dynamic Torque Vectoring (DTV)
- Launch Control

## Dimensions

<b>Length:</b>	4750mm (including number plate plinth)
<b>Width:</b>	1950mm (excluding door mirrors) 2060mm (including door mirrors)
<b>Height:</b>	1290mm
<b>Wheelbase:</b>	2805mm
<b>Fuel tank capacity:</b>	78 litres (17.2 Imp. Gal. /20.5 US Gal)
<b>Weight:</b>	1760 kg
<b>Weight Distribution:</b>	49%/51% (front/Rear)

## Standard Specification

- Full-grain Leather interior
- Monotone Interior Environment
- Alcantara Headlining
- Electrically operated front seats with side airbags
- Memory front seats and exterior mirrors (three memory positions)
- 2+2 Seating configuration
- Powerfold exterior heated mirrors
- Front and rear parking sensors
- 360° surround view parking cameras (includes front & rear cameras)
- Cruise control & Speed limiter
- Tyre pressure monitoring\*
- Alarm and immobiliser
- Remote-control central door locking and boot release
- Automatic temperature control with dual zone climate control
- Heated front seats
- Curtain side head airbags
- Dual stage driver and passenger front airbags
- Knee airbags

- Pelvis and Thorax seat mounted airbags
- Seat belt dual-pretensioners and digressive load limiters
- Trip computer
- Electronic Instrument Cluster with mode specific displays
- Laminated windscreen with clear noise-insulation layer
- Keyless entry & go
- Bright Aluminium front grille
- Chrome side strakes and tailpipe trim
- Heated rear screen
- Silver gearshift paddles
- Warm Charcoal Seatbelts
- Light Ash Open Pore Trim Inlay
- Satin Silver Jewellery Pack
- Fine stitching matched to leather colour
- Primary Category Paint

### **In Car Entertainment**

- Integrated satellite navigation system<sup>2</sup>
- Infotainment system with capacitive switching
- Aston Martin Base Audio System
- 8.0" LCD Screen
- iPod® and iPhone® Integration and USB playback<sup>4</sup>
- Satellite radio system (USA only)
- AM/FM radio<sup>1</sup>
- A2DP Bluetooth® audio and phone streaming
- Wi-Fi Hub<sup>5</sup>

### **Interior Options**

- Colour keyed steering wheel
- Floor mats – Base and Heavy Pile
- Colour keyed boot carpet
- Personalised sill plaques
- Embroidered DB11 or Aston Martin Wings headrest
- Embossed DB11 or Aston Martin Wings headrest

### **Interior Leather Options**

- Caithness leather
- Balmoral leather
- Duotone leather environments
- Contrast stitch colours
- Ventilated seats
- Celestial perforation
- Nexus quilt
- Brogue detailing
- Caithness headlining and cantrails
- Balmoral headlining and cantrails

### **Trim Inlay Options**

- Piano black
- Satin Tan Lace Wood
- Dark Ash Open Pore
- Cuprum Carbon

- Satin Chopped Carbon Fibre
- Satin 2x2 Carbon Fibre Twill (Q Collection)
- Dyed Open Pore Tamo Ash

#### **Interior Jewellery Pack Options**

- Dark Chrome

#### **Seatbelt Colour Options**

- Graphite
- Mocha
- Spice red
- Champagne
- Flint

#### **In Car Entertainment Options**

- Aston Martin Premium Audio
- Bang & Olufsen BeoSound Audio System

#### **Interior Functional Options**

- Glass key
- Premium smokers pack
- First aid kit
- Umbrella and holder
- Powered Seat Bolsters
- Front seat ISOfix
- Aston Martin tracking by Cobra\*
- Touchpad Control
- Powered Stowage (front centre armrest)

#### **Exterior Options**

- Contemporary AML paint palette
- Special AML paint palette
- Gloss Black splitter, diffuser and sills
- Painted gloss black roof panel
- Dark Exterior finisher pack

#### **Wheels Options**

- 10-spoke Silver diamond turned
- 10-spoke Shadow Chrome
- 10-spoke Silver directional diamond turned
- 10-spoke Gloss Black directional diamond turned
- 10-spoke Shadow Chrome directional

#### **Brake Caliper Options**

- Black
- Red
- Yellow
- Grey

#### **Roof Strake**

- Gloss Silver
- Gloss Black

### **Bonnet Blades**

- Black Meshes

### **Technology Options**

- Battery conditioner
- Blind Spot Monitoring
- Auto-Park Assist
- Garage door opener<sup>1</sup>

### **Footnotes**

\*Complies with UK Thatcham Category 5 requirements. Excludes subscription.

<sup>1</sup>Not available in all markets

<sup>2</sup>Includes Traffic Messaging Channel (TMC) in Continental Europe

<sup>3</sup>Complies with UK Thatcham Category 5 requirements. Excludes subscription. Standard in UK

<sup>4</sup> iPod® is a trademark of Apple Inc., registered in the US and other countries

<sup>5</sup> Requires 3G USB dongle