

Service Manual Audi A6 All Road 2002

ACC technology is regarded as a key component of future generations of intelligent cars. The technology enhances passenger safety and convenience as well as increasing road capacity by maintaining optimal separation between...
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Volkswagen-Audi V8 engine The larger-displacement diesel V8 engine configuration has also been used in various Scania commercial vehicles; such as in trucks. The first spark-ignition gasoline V-8 engine configuration was used in the 1988 Audi V8 model; and the first compression-ignition diesel V8 engine configuration was used in the 1999 Audi A8 3.3 TDI Quattro. They have been used in various Volkswagen Group models, and by numerous Volkswagen-owned companies. The V8 gasoline and diesel engines have been used in most Audi, Volkswagen, Porsche, Bentley, and Lamborghini models ever since. (Belt driven) applications Audi B6 S4, Audi B7 S4, Audi C5 A6 allroad (BAS: 07/02-08/05), Audi C6 A6 (BAT: 05/04-05/06), Audi A8 (BFM: 10/02-07/10), Volkswagen The Volkswagen-Audi V8 engine family is a series of mechanically similar, gasoline-powered and diesel-powered, V-8, internal combustion piston engines, developed and produced by the Volkswagen Group, in partnership with Audi, since 1988
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Control is based on sensor information from on-board sensors. Such systems may use a radar, laser sensor or a camera setup allowing the vehicle to brake when it detects the car is approaching another vehicle ahead, then accelerate when traffic allows it to. d4ada2372b

Direct-shift gearbox Audi S5 (B8) Audi A5 Audi A6 Audi S6 (C7) Audi A7 Audi A8 (D4) Audi Q2 Audi Q3 Audi Q5 Audi R8 (Type 42) (From Autumn 2012 Facelift) Audi R8 (Type 4S) A direct-shift gearbox (DSG, German: Direktschaltgetriebe) is an electronically controlled, dual-clutch, multiple-shaft, automatic gearbox, in either a transaxle or traditional transmission layout (depending on engine/drive configuration), with automated clutch operation, and with fully-automatic or semi-manual gear selection. The first dual-clutch transmissions were derived from Porsche in-house

development for the Porsche 962 in the 1980s d4ada2372b

Since the Volkswagen Group is German, official internal combustion engine performance ratings are published using the International System of Units (commonly abbreviated "SI"), a modern form of the metric system of figures. Motor vehicle engines will have been tested by a Deutsches Institut für Normung (DIN) accredited testing facility, to either the original 80/1269/EEC, or the later 1999/99/EC standards. The standard initial measuring unit for establishing the rated motive power output is the kilowatt (kW); and in their official literature, the power rating may be published in either the kW, or the metric horsepower (often abbreviated... d4ada2372b

Volkswagen Polo It is sold in Europe and other markets worldwide in hatchback, saloon, and estate variants throughout its production run. which had been used in models from the Mk4 Volkswagen Golf GTI to the Audi A6. Despite the impressive figures, this new model lacked the standard features The Volkswagen Polo is a supermini car (B-segment) produced by the German car manufacturer Volkswagen since 1975. As of 2018, six separate generations of the Polo had been produced, usually identified by a "Series" or "Mark" number d4ada2372b

ZF 6HP transmission Other variations of the first generation 6HP in addition to the 6HP 26, were 6HP19, and 6HP 32 having lower and higher torque capacity, respectively. 0 TFSI Audi Q5 (Typ 8R): 3. Released as the 6HP 26 in 2000, it was the first 6-speed automatic transmission in a production passenger car. A 6HP 34 was planned, but never went into production. 2 FSI, 3. S4 (Typ 8E/8H) Audi (B7) A4/S4 (Typ 8E/8H) Audi A6 (Typ C6/4F): 3. 0 TDI, 3. 2 FSI (US only) The 6HP 26 was the 6HP is ZF Friedrichshafen AG's trademark name for its 6-speed automatic transmission models (6-speed transmission with Hydraulic converter and Planetary gearsets) for longitudinal engine applications, designed and built by ZF's subsidiary in Saarbrücken. In 2007, the second generation of the 6HP series was introduced, with models 6HP 21 and 6HP 28. 2 FSI, 4 d4ada2372b

Some generations were facelifted midway through production, with the updated versions known unofficially by an addition of the letter F to the mark number, e.g., Mk2F. Some members of the automotive press and some enthusiasts consider the facelifts to be separate models, so have used the unofficial designations Polo Mk1 to Mk7 for previous generations. Each

Polo model is also identified by a two- or three-character Volkswagen Group Typ number...

NSU Motorenwerke Acquired by Volkswagen Group in 1969, VW merged NSU with Auto Union, creating Audi NSU Auto Union AG, ultimately Audi. production plant for Audi's topline vehicles such as A6, A8, and R8. The NSU is an abbreviation of the name Neckarsulm. It is also the home of the "Aluminium- und Leichtbauzentrum" where Audi's aluminium-made NSU Motorenwerke AG, or NSU, was a German manufacturer of automobiles, motorcycles and pedal cycles, founded in 1873

List of discontinued Volkswagen Group petrol engines All listed engines operate on the four-stroke cycle, and, unless stated otherwise, use a wet sump lubrication system and are water-cooled. Audi SQ5(B8(8R)), applications 2009 Audi A8 (D3), Audi A6 (C6), Audi A6 (C7), Audi A7 (C7), Audi A4 (B8), Audi S5, Audi S4 (B8), 2010 VW Touareg Hybrid, The spark-ignition petrol (gasoline) engines listed below were formerly used in various marques of automobiles and commercial vehicles of the German automotive business Volkswagen Group and also in Volkswagen Industrial Motor applications, but are now discontinued

Audi RS 6 The Audi RS 6 is a high-performance variant of the Audi A6 range, produced by the high-performance subsidiary company Audi Sport GmbH, for its parent company The Audi RS 6 is a high-performance variant of the Audi A6 range, produced by the high-performance subsidiary company Audi Sport GmbH, for its parent company Audi AG, a subsidiary of the Volkswagen Group, from 2002 onwards

Adaptive cruise control As of 2019, it is also called by 20 unique names that describe that basic functionality. This is also known as Dynamic cruise control. the Lancia Thesis 2002: Volkswagen introduced radar ACC, manufactured by Autocruise (now TRW), on the Volkswagen Phaeton. 2002: Audi introduced radar ACC Adaptive cruise control (ACC) is a type of advanced driver-assistance system for road vehicles that automatically adjusts the vehicle speed to maintain a safe distance from vehicles ahead

List of Volkswagen Group petrol engines CZSE/DR: Audi A6 (C8), Audi A7 (C8/4K8), Audi A8 (D5), Audi Q8, Porsche Cayenne/Cayenne E-Hybrid (3rd gen), Volkswagen Touareg (3rd gen) CWGD: Audi S4 (B9 The spark-ignition petrol engines listed below operate on the four-stroke cycle, and unless

stated otherwise, use a wet sump lubrication system, and are water-cooled d4ada2372b

It uses a Lepelletier gear mechanism, an epicyclic/planetary gearset, which can provide more gear ratios with significantly fewer components... d4ada2372b The first and second versions of the RS 6 were offered in both Avant and saloon forms. The third and fourth generations are only offered as an Avant. d4ada2372b Since the Volkswagen Group is European, official internal combustion engine performance ratings are published using the International System of Units (commonly abbreviated SI), a modern form of the metric system of figures. Motor vehicle engines will have been tested by a testing facility accredited by the Deutsches Institut für Normung (DIN), to either the original 80/1269/ EEC, or the later... d4ada2372b In simple terms, a DSG automates two separate "manual" gearboxes (and clutches) contained within one housing and working as one unit. It was designed by BorgWarner and is licensed to the Volkswagen Group, with support by IAV GmbH. By using two independent clutches, a DSG can achieve faster shift times and eliminates the torque converter of a conventional... d4ada2372b

Collision avoidance system Pedestrian. Various technologies and sensors that are used include radar (all-weather) and sometimes laser (LIDAR) and cameras (employing image recognition) to detect an imminent crash. GPS sensors can detect fixed dangers such as approaching stop signs through a location database. Toyota: All Models except Toyota 4Runner 2020 and up to get it and Yaris 2019 and up to get it Volkswagen Group: Audi A4, Audi A5, Audi A6, Audi A7, Audi A8 A collision avoidance system (CAS), also known as a pre-crash system, forward collision warning system (FCW), or collision mitigation system, is an advanced driver-assistance system designed to prevent or reduce the severity of a collision. In its basic form, a forward collision warning system monitors a vehicle's speed, the speed of the vehicle in front of it, and the distance between the vehicles, so that it can provide a warning to the driver if the vehicles get too close, potentially helping to avoid a crash d4ada2372b

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