TOYOTA AVENSIS

Prestige, comfort and efficiency

The Toyota Avensis aims to make things easy for the customer, with added style, new engines and innovative technology. Regardless of version or equipment grade, it is designed to be prestigious and trustworthy.

Designed and engineered in Europe and built exclusively in Britain, more than 1.7 million Avensis across four model generations have appeared on European roads since the original was launched at the end of 1997.

Responding to private customers' demands for prestige, luxury and elegance, and userchooser motorists' desire for sportiness, dynamism and a dash of chic, Avensis was comprehensively upgraded (2015 model year) to deliver significant improvements in five key areas: -

- Styling: a more prestigious and dynamic exterior design with LED lamp technology.
- Sensory quality and comfort: a more elegant and refined interior, with an emphasis on significantly improved sensory quality, comfort, trim, finishes and NVH.
- Safety: a comprehensive upgrade of safety systems, targeting a five-star Euro NCAP rating. A focus on active safety technology with a Toyota Safety Sense package, provided as standard.
- Equipment and value for money: a clearly differentiated grade structure with classleading standard equipment levels and advanced technologies, such as the Toyota Touch 2 system and an eight-inch multimedia touchscreen.
- Driving pleasure and running costs: two new Euro 6 diesel engines with extended service intervals, lower CO₂ emissions across the entire range, lower servicing costs and chassis enhancements to improve ride and handling.

STYLING

- Energetic Elegance design theme
- Evolution of Toyota's design language

Both the Avensis saloon and Touring Sports wagon have a more distinctive and dynamic appearance, generated by a new Energetic Elegance design theme.

Overall vehicle length has been increased by 40mm and at the front there is a strong look that marks a "second generation" evolution of Toyota's contemporary design language.

The Toyota emblem is set more prominently within a smaller but sharper-styled upper grille. The grille itself has a chrome trim bar which anchors LED headlamp clusters. These incorporate LED daytime running lights, giving Avensis an individual illumination signature.

The lower grille has been made significantly larger and it spans a centre bumper section finished in gloss black, reinforcing Avensis's solid front stance. In conjunction with the downward sweep of the new grille, the fog lamp housings have been pushed out to the far edges of the bumper, making the vehicle appear broader.

To the side, a garnish along the sill creates a strong horizontal emphasis, giving the impression of a lower centre of gravity. The more elegant profile is supported by new alloy wheel designs.

The rear of the vehicle has also been designed to add elegance and impact to the broad road stance. The rear light clusters use LED light guide technology to generate a high-tech lighting signature.

SENSORY QUALITY, HARMONY AND COMFORT

- Elegant and luxurious cabin with improved sensory quality and NVH performance
- Harmonised switchgear design with uniform illumination
- More supportive front seats

One of Toyota's aims in revising Avensis was to guarantee comfort and convenience across the range. The elegant, refined interior makes an important contribution to this goal: sensory quality and NVH have been taken to a higher level and the cabin displays premium quality trim finishes.

The instrument panel is divided into two sections. The sleek, full-width upper part contains an instrument binnacle with recessed tachometer and speedometer dials either side of a large, 4.2-inch TFT multi-information display (colour display on higher grades, monochrome on

Active grade). The lower section houses a centre console that is separated from the transmission tunnel and dominated by an eight-inch full colour touchscreen. A redesigned steering wheel and gear lever complete the driver's cockpit.

Switchgear feel and operation have been improved and sensory quality has been further heightened by harmonising graphics and symbols and providing uniform, blue back-lighting.

Satin chrome highlighting on the instrument binnacle, steering wheel, console switchgear, air vents and gear lever presents a crisper, higher quality appearance.

A range of more appealing interior finishes is available, including combinations of fabric or leather with Alcantara seat upholstery and a new, Dual Ambient light grey colour scheme.

A new front seat design makes for more comfortable long-distance travel – a priority for fleet/business customers.

The size of the upper backrest has been increased and the backrest bolsters have been redesigned, giving both extra shoulder support and better lateral holding performance. The seat suspension mat has also been redesigned to improve pressure distribution and reduce long-haul fatigue. The cushion angle has been increased to give better thigh support and the cushion side bolsters have been reshaped.

NOISE, VIBRATION AND HARSHNESS

NVH levels have been significantly reduced, ensuring that the increase in Avensis's interior quality is matched by a perceptible decrease in cabin noise.

New and thicker materials provide additional sound absorption and insulation, and seal quantity, thickness and width have been increased throughout the body shell.

The thickness and density of the bonnet insulator and the thickness and size of the of the engine under-cover insulator have been increased. Diesel models further benefit from the addition of an underbody damping sheet. A polyurethane foam over-moulding has been incorporated in the wing protector and further detailed changes have been made to sound-absorbing elements in the upper instrument panel and dashboard.

Air conditioning noise has been reduced by improving the heater's air duct seal. Touring Sports Excel models fitted with a Skyview panoramic roof gain a damping sheet in the roof lining.

EQUIPMENT AND VALUE FOR MONEY

- Grade structure targets fleet customers with high equipment levels and advanced technology features
- Business Edition grade includes Alcantara upholstery and Dual Ambient colour scheme
- Toyota Safety Sense packages fitted as standard on all models

Avensis's grade structure reflects how the car has been designed, engineered and equipped to meet the leading requirements of both private and business customers.

Active and Excel grades mark the entry point and top of the range. These are joined by Business Edition and Business Edition Plus versions at the heart of the line-up.

Across the board, specifications secure high levels of safety, comfort and convenience, not least with the standard provision of Toyota Safety Sense integrated active safety features on all models (further details in the Safety chapter below).

Key features of the Active grade include Pre-Crash Safety system with Autonomous Emergency Braking, cruise control, air conditioning, six-speaker CD/radio audio, Bluetooth, auto-dimming rear-view mirror, LED rear and daytime running lights and power windows.

Business Edition adds to this strong foundation with the Toyota Touch 2 with Go touchscreen multimedia and navigation system, digital/DAB audio package with eight-inch display, reversing camera, front fog lights, rain-sensing wipers, dusk-sensing headlights, automatic air conditioning, 17-inch alloy wheels and part-Alcantara seat upholstery. The active safety features extend to Automatic High Beam, Lane Departure Warning and Road Sign Assist.

Business Edition Plus delivers further premium features including front fog lights with a cornering function, LED headlamps, rear privacy glass and smart entry with push-button start. The LED daytime running lights gain light guides, creating a distinctive lighting signature.

At the top of the range, Excel grade adopts Toyota Touch 2 with Go in a package that has more sophisticated navigation functions and access to additional connected services. The specification also embraces a 10-speaker audio system, full leather seat upholstery, electrically adjustable front seats with heaters and adaptive headlights that adjust automatically to improve illumination through bends and turns. The Excel Touring Sports gains a Skyview panoramic roof,

Option packs are also available: the Protection Pack provides mud flaps, scuff plates, boot liner and rear bumper protector (plus additional load space rails for the Touring Sports if required); the Chrome Pack adds chrome side sill and boot/tailgate trim; and the Parking Pack equips the car with front and rear parking sensors.

Principal equipment features

Standard features on **Active** grade models include: -Pre-Crash Safety System Autonomous Emergency Braking Air conditioning Cruise control Hill-start Assist Control LED daytime running lights and rear lamp clusters Auto-dimming rear-view mirror TFT multi-information display (monochrome) Six-speaker CD/radio audio system Bluetooth Power front windows

Business Edition models build on the Active specification with: -

Automatic High Beam Lane Departure Warning Road Sign Assist Toyota Touch 2 with Go multimedia and navigation system with eight-inch touchscreen control Six-speaker audio system with DAB radio Reversing camera TFT multi-information display (colour) Automatic air conditioning Rain-sensing windscreen wipers Dusk-sensing headlights Power windows Combination cloth and Alcantara seat upholstery Driver's seat lumbar support Power retractable door mirrors Front fog lights 17-inch alloy wheels

Business Edition Plus further benefits from: -

Smart entry and push-button start LED headlamps LED daytime running lights with light guides Auto-headlamp levelling Rear privacy glass Front fog lamps with cornering function Dedicated-design 17-inch alloy wheels

At the top of the range, **Excel** versions of Avensis gain: -Toyota Touch 2 with Go with advanced connectivity functions and voice recognition 10-speaker audio system 18-inch machined face alloy wheels Leather seat upholstery Power-adjustable front seats with memory Heated front seats Adaptive Front-lighting System Panoramic roof (Touring Sports)

Colour TFT multi-information display

Clear, instant driver information is displayed on a 4.2-inch colour TFT screen, set between the principal meters in the instrument binnacle. The range of data includes audio, phone, navigation and safety functions, including active safety system status and warnings. The display's design allows multiple information sources to be presented simultaneously.

The TFT display is in colour on all Avensis models apart from Active grade, which uses a monochrome version.

All Avensis are covered by Toyota's five-year/100,000-mile new vehicle warranty.

DRIVING PLEASURE AND RUNNING COSTS

- 1.6 and 2.0 D-4D diesel engines, with CO₂ emissions from 108g/km
- Toyota's Multidrive S CVT extensively revised for quieter operation, improved driveability and four per cent reduction in fuel consumption
- Revisions to front and rear suspension, improved steering feel and responsiveness.

Toyota comprehensively revised the powertrain line-up for new Avensis, building on its reputation for reliability and durability and providing customers with the benefits of lower fuel consumption, emissions and ownership costs.

At the same time, enhancements to the body structure, suspension and power steering deliver improvements in ride comfort and handling performance.

Diesel engines

The UK range features two new diesels: a 1.6-litre D-4D and, making its first appearance in a Toyota, a 2.0-litre D-4D unit.

The 1.6 D-4D generates CO_2 emissions of 108g/km, 11g/km less than the 2.0-litre unit it replaced. The new 2.0-litre engine's 119g/km represents a 24g/km reduction on the performance of the previous 2.2-litre unit.

An increase in service intervals to 12,500 miles and a reduction of about 20 per cent in the 36,000-mile/three-year servicing costs for both units have helped make the diesels cheaper to run.

New 1.6 D-4D

In tune with the current move to downsize powerplants to achieve better fuel economy, lower emissions and better driving dynamics, Toyota replaced Avensis's 2.0-litre D-4D diesel engine with a new 1.6 D-4D.

This Euro 6-compliant engine, working with a six-speed manual transmission, is 20kg lighter than its predecessor. It develops 110bhp/82kW at 4,000rpm and 270Nm of torque from 1,750 to 2,250rpm. This gives 0 – 62mph acceleration in 11.4 seconds and a top speed of 115mph.

The engine posts an eight per cent improvement in fuel efficiency, with combined cycle fuel consumption of 67.3mpg; at the same time, CO_2 emissions have been reduced from 119 to 108g/km.

The engine has been tuned for fast throttle response throughout the rev range. It generates good initial response at low rpm, then, as turbo boost develops, a linear build-up of torque. The availability of torque has been extended, so the engine will rev freely beyond 3,000rpm without running out of breath.

New 2.0-litre D-4D

The new Euro 6-compliant 2.0-litre D-4D shares the low fuel consumption and emissions performance of its 1.6-litre sister unit, but it has been tuned for a stronger focus on performance.

It develops a maximum 141bhp/105kW at 4,000rpm and a generous 320Nm of torque from 1,750 to 2,500rpm. Its linear torque build-up and willingness to rev gives it particularly strong in-gear responsiveness and acceleration: it will move the car from rest to 62mph in 9.5 seconds and reach a top speed of 124mph.

Numerous developments, including a new timing chain design, ensure quiet running at all speeds, and Toyota's stop and start technology, coupled with a tall sixth gear for motorway cruising, helps the 2.0 D-4D return average fuel consumption of 62.8mpg with 119g/km CO₂ emissions.

Diesel engine features and benefits

Both the new diesel engines benefit from numerous advanced technologies that help minimise fuel consumption and emissions without detracting from engine performance and driving pleasure.

A fuel injection control system uses Digital Diesel Electronics to control injection in line with engine speed, load and temperature to gain more precise control of pressure, timing and volume than can achieved with conventional common rail technology.

This allows for better fuel efficiency and compliance with stricter emissions regulations to be achieved with no detriment to engine performance. A combination of swirl and tangential intake ports creates an ideal swirl pattern in the intake air/fuel mixture, promoting more complete combustion and, hence, greater engine efficiency.

The camshaft has a built-up construction, comprising individual cams, gears and shaft. Each component is made from a carefully selected combination of materials. This design approach reduces overall weight by around 40 per cent, a saving that contributes to overall fuel efficiency.

The Hydraulic Valve Clearance Compensation system features hydraulic pistons that continuously adjust individual intake and exhaust valve clearance according to engine speed and load. This optimises intake and exhaust airflow for better engine performance and fuel efficiency.

A cross-flow cooling system channels engine coolant flow from the hotter exhaust side to the cooler intake side for more even heat distribution over the cylinder head. This reduces pressure losses and enhances fuel efficiency.

Together with its sound-absorbing properties, the resin cylinder head cover allows – thanks to its ease of manufacture – for a more complex inner structure. This means the oil separator and pressure control valve have been built into the cover, to separate the oil from the blow-by gas. This reduces the amount of oil burned during re-combustion, reducing emission impurities.

A new charging control system automatically regulates the amount of electricity generated by the alternator, which affects the amount of load on the engine, according to driving conditions. The system increases alternator load under deceleration and decreases it under acceleration, and can also balance fuel efficiency with the electricity needed when the engine is idling, or at cruising speed.

Both engines are equipped with Toyota's stop and start system and a high-performance diesel particulate filter, further reducing particulate and CO₂ emissions.

1.8 Valvematic petrol engine

The four-cylinder, 1,798cc, 16-valve DOHC engine develops 145bhp/108kW at 6,400rpm and 180Nm of torque at 3,800rpm. Matched to a six-speed manual transmission, it will accelerate the Avensis from 0 – 62mph in 9.4 seconds (10.4 with CVT) and on to a 124mph top speed.

Combined cycle fuel consumption has improved to 47.1mpg and CO₂ emissions have fallen by 14g/km to 139g/km (figures for saloon with 16-inch wheels). When matched to the Multidrive S CVT, the benchmark figures mark a similar improvement at 138g/km and 47.9mpg.

Engine enhancements and benefits

The operating angle of the Valvematic and VVT-i systems has been increased to optimise valve lift angle and timing across the driving range. As a result, power output has been increased and mechanical losses reduced, thus improving fuel efficiency.

Continuous optimal throttle control in accordance with Valvematic and VVT-i operation further improves both fuel efficiency and driveability, and the addition of an oil temperature sensor enhances VVT-i performance for a further gain in fuel economy.

The compression ratio of the 1.8 Valvematic engine has been increased to 10.7:1, enhancing thermal efficiency, and the fuel system benefits from changes to fuel injection and timing, reducing fuel loss to the exhaust side under injection.

Friction has been significantly reduced by fitting a tension-reducing ribbed V belt autotensioner and a low-friction timing chain and chain damper; the adoption of Teflon coatings to front and rear oil seals and resin coatings to the sliding surface of the crankshaft, camshaft and thrust bearing; and the reduction of both oil pump flow and vacuum pump drive torque.

Engine warming performance has been improved by using a shell-type exhaust manifold and the optimisation of valve timing and fuel injection quantities. This accelerates the increase in exhaust gas temperature, warming the catalyst quickly to reduce emissions from cold starts.

The cooling system has been improved through the installation of a high-response thermostat and precise electric fan control. These measures improve anti-knock performance and, hence, fuel efficiency.

Compatibility with high sulphur fuels has been achieved through a nitride treatment on the positive crankcase ventilation valve and a height change to the piston rings.

Finally, both units also benefit from the previously described Charging Control System.

Revised CVT system

A further four per cent improvement in fuel economy has been realised through extensive revisions to the Multidrive S continuously variable transmission that is optionally available with the 1.8 engine. These include new torque converter, continuously variable unit, oil pump, reduction and differential gears, hydraulic control unit and CVT fluid warmer.

The CVT control logic has also been adjusted to reduce engine revving at medium throttle settings, more closely matching engine speed to throttle inputs, like a conventional automatic transmission.

Improved driving dynamics

The new Avensis's bodyshell has been rendered more rigid by the application of additional spot-welding points and the use of a high-strength urethane windscreen bonding material.

The car retains the proven MacPherson strut front and double wishbone rear suspension design of its predecessor, but both elements benefit from significant changes to improve ride comfort and handling. These include a change from resin to steel for the bearing material, reducing friction and so improving steering feel and feedback.

At the front there is a new strut bearing and support, a reduction in the spring rate and an increase in the spring side-load compensation. Damping force has been tuned and, in the case of diesel models, the springs' shape has been changed and their rates adjusted in favour of comfort.

Similar adjustments have been made to the rear, together with a new piston valve design that gives a perceptible improvement in ride comfort.

Steering feel and responsiveness have been improved by the use of a new intermediate shaft, a change in the diameter of the anti-roll bar and an increase in body shell rigidity through the use of high-strength urethane bonding for the windscreen.

Changes have also been made to the electric power steering's assistance characteristics. The neutral position is more accurate for better high-speed straight line driving, and steering torque delivery has been fine-tuned to better match linearity with lateral acceleration and yaw response.

Hill-start Assist Control adds further benefits. This applies brake pressure to all four wheels for a maximum two seconds when the driver comes off the brake pedal to apply the throttle. This prevents the vehicle from rolling backwards when pulling away on a steep or slippery incline.

SAFETY

- Toyota Safety Sense system fitted as standard, supporting target of five-star Euro NCAP crash test rating
- Package on all models includes Pre-Collision System with Autonomous Emergency Braking.
- Lane Departure Alert, Road Sign Assist and Automatic High Beam additionally provided on all models bar entry-level grade

In anticipation of securing a five-star rating in the Euro NCAP crash test programme, Avensis takes active safety and driver assistance to new levels with Toyota Safety Sense.

On all models this provides a Pre-Collision System with Autonomous Emergency Braking. On all bar the entry-level Active grade the package further includes Lane Departure Alert, Automatic High Beam and Road Sign Assist, functions which process information gathered by a compact laser and camera unit mounted on the head of the windscreen.

The Pre-Collision System operates at speeds between approximately six and 49mph, detecting vehicles on the road ahead and reducing the risk of a rear collision. When it determines an impact risk, it triggers visual and audible alerts to prompt the driver to apply the brakes. At the same time, it primes the car's braking system to deliver extra stopping force when the driver presses the brake pedal. If the driver fails to react in time, the system automatically applies the brakes, reducing speed by about 19mph, or potentially bringing the car to a stop, to prevent a collision or mitigate the force of impact.

Lane Departure Alert

The Lane Departure Alert system monitors lane markings on the road and helps prevent accidents and head-on collisions caused by a vehicle leaving its lane. If the vehicle starts to deviate from its lane without the turn indicators being used, the system alerts the driver with visual and audible warnings.

Automatic High Beam

The Automatic High Beam helps ensure excellent forward visibility when driving at night. It detects both the headlights of oncoming vehicles, and the tail lights of vehicles ahead, automatically switching between high and low beams to avoid dazzling other drivers. As high beam is used more frequently, pedestrians and obstacles are easier and quicker to spot.

Road Sign Assist

Road Sign Assist helps ensure drivers are kept informed, even if they have driven past a road sign without noticing. It recognises signage such as speed limits and "no overtaking" warnings, and displays the information on the TFT multi-information screen in the instrument binnacle. If the driver exceeds the speed limit, the system will activate a warning light and buzzer.

YEAR	MONTH	EVENT
1998	January	First generation Avensis launched, replacing Carina E.
		Production is at Toyota's UK factory at Burnaston.
2000	August	Midlife model revisions. 1.6 and 1.8 VVT-i and 2.0 D4
		direct injection engines introduced.
		2.0 D-4D diesel introduced – Avensis becomes first
		European Toyota to use a D-4D unit.
2003	March	Second generation Avensis launched, with 1.8 and 2.0
		VVT-i engines.
	April	Avensis sets a new record score for adult occupant
		protection in Euro NCAP crash testing.
	August	Integrated ICE system introduced.
	Мау	2.0 D-4D engine added to range.
	July	Avensis becomes the first Toyota model to be exported to
		Japan.
2004	January	2.4 VVT-i and 2.0 D-CAT engines added to the range.
	November	2.0 D-CAT engine deleted.
2005	April	Colour Collection special edition models launched.
	July	2.2 D-4D 150 engine added to range.
		2.4 VVT-i engine deleted.
2006	July	Midlife model revisions.

TOYOTA AVENSIS TIMELINE AND UK SALES

		Flagship T180 version introduced with 2.2 D-4D 180 engine with D-CAT.
2007	April	Range revisions, including new touch-screen full-map
		satellite navigation on T_{3-S} grade and higher and audio
		upgrade with MP3/WMA digital music file recognition.
	June	TR feature grade introduced. Key specification includes
		satellite navigation, dual-zone air conditioning and
		automatic headlights and wipers.
2008	April	Grade structure consolidated: Colour Collection, T ₂ , TR, T
		Spirit and T180.
	October	Third generation Avensis makes its world debut at the
		Paris motor show
2009	January	New Avensis goes on sale in Europe with new 1.8 and 2.0
		Valvematic petrol engines and revised 2.0 D-4D, 2.2 D-4D
		150 and 2.2 D-CAT 180 engines. A 2.2 D-CAT 150
		automatic is launched in the spring. Petrol engines are
		available with a new Multidrive S continuously Variable
		Transmission. A new four-grade range is introduced – T_2 ,
		TR, T₄ and T Spirit.
	July	Engine range revised with introduction of 1.6 Valvematic
		petrol unit. 2.0 Valvematic and 2.2 D-CAT 180 are
		deleted.
2010	March	TR grade enhanced for 2010.
	June	Diesel Particulate Filter (DPF) added to 2.0 D-4D to
		achieve Euro 5 emissions compliance.
2011	August	1.6 Valvematic engine deleted from the range.
	September	Revised Avensis unveiled at Frankfurt motor show
	December	Revised Avensis goes on sale in the UK, retaining
		previous grade structure but with improved equipment
		specifications. 2.0 D-4D engine revised for 119g/km
		emissions, exterior restyled and suspension and steering
		adjustments made to improve ride and handling.
2013	April	2013 Avensis adopts new grade names and minor
		specification changes.
1		1

2015	March	The new Toyota Avensis makes its debut at the Geneva motor show.
	April	UK order books open for new Avensis, offered in Active, Business Edition, Business Edition Plus and Excel grades.
	September	Avensis gains <u>five-star Euro NCAP safety rating</u> , a result supported by the standard provision of Toyota Safety Sense active safety systems.
2016	Мау	Avensis gains <u>revised Toyota Touch 2 with Go</u> multimedia system.
2016	December	Design grade is added to the Avensis range.
2017	December	Design grade is deleted from the range.

UK sales in 2017: 3,473 Cumulative sales since launch (1998): 299,535

TOYOTA AVENSIS TECHNICAL SPECIFICATIONS

1.8 VALVEMATIC	
Engine code	2ZR-FAE
Туре	Four cylinders in-line
Valve mechanism	DOHC 16-valve Valvematic
Displacement (cc)	1,798
Bore x stroke (mm)	80.5 x 88.3
Compression ratio	10.7:1
Max. power (bhp/kW @ rpm)	145/108 @ 6,400
Max. torque (Nm @ rpm)	180 @ 4,000
1.6 D-4D	
Engine code	1WW
Туре	Four cylinders in-line
Valve mechanism	DOHC 16-valve, common rail injection, hydraulic
	valve clearance compensation
Displacement (cc)	1,598
Bore x stroke (mm)	78.0 x 83.6
Compression ratio	16.5:1

Max. power (bhp/k)		110/82 @ 4,000					
Max. torque (Nm @	? rpm)			270 @ 1,750 – 2,250			
2.0 D-4D							
Engine code				2WW			
Туре				Four cylinders in-line			
Valve mechanism			DOHC	DOHC 16-valve, common rail injection, hydraulic			
				valve clearance compensation			
Displacement (cc)				1,995			
Bore x stroke (mm)					84.0 x 90.	0	
Compression ratio					16.5:1		
Max. power (bhp/k)	N @ rpm)			1	41/105 @ 4	,000	
Max. torque (Nm @	? rpm)			32	0 @ 1,750 -	2,250	
TRANSMISSION	S						
Engine		1.8 \	/alvematic		1.6 D-4D)	2.0 D-4D
Transmission		6MT	N	1DS	6MT		6MT
	1 st	3.538		-		3.81	8
	2 nd	1.913		-		1.91	3
Gear ratios	3 rd	1.310		-	1.218		8
	4 th	0.971		-	0.860		0
	5 th	0.818		-		0.790	
	6 th			-		0.638	
	Forward	-	2.480	- 0.396		-	
	Reverse	3.333	2.604	- 1.680		4.13	9
Final drive ratio		4.214	5.	698	3.526		3.777
					$(1^{st} - 4^{th})$)	$(1^{st} - 4^{th})$
BRAKES							
Front				Ventilated discs			
Rear				Solid	discs		
Additional features			ABS	, EBD, BA	A, VSC+, TR	С	
STEERING			<u> </u>	•••			
Туре			Rack and		ctric power s	teering	g
Ratio				13.			
Turns lock-to-lock				2.			
Min. turning radius	– tyre (m)			5.	4		
SUSPENSION Front				MacPher	son strut		
Rear				Double w			
PERFORMANCE							
Engine		1.8 Valver	matic	1.6	D-4D		2.0 D-4D
Transmission		6MT	MDS	6	MT		6MT

Max. Speed	d (mph) Saloon	124	124	115	124				
·	Wagon	124	124	115	124				
0-62mph (s		9.4	10.4	11.4	9.5				
• 、	Wagon	9.7	10.7	11.7	9.8				
FUEL CON	SUMPTION, EMISSIO	ONS & INSU	S & INSURANCE						
Fuel consu	umption								
Engine	-	1.8 Va	alvematic	1.6 D-4D	2.0 D-4D				
Transmissi	Transmission		MDS	6MT	6MT				
Urban	Saloon – 16in wheel	34.9	35.3	55.4	-				
	Saloon – 17in wheel	34.9	34.9	55.4	49.6				
	Saloon – 18in wheel	-	-	-	47.9				
Wagor	Wagon – 16in wheel	34.9	35.3	55.4	-				
	Wagon – 17in wheel	34.0	34.0	55.4	49.6				
W	Wagon – 18in wheel	-	-	-	47.9				
Extra-	Saloon – 16in wheel	57.6	58.9	78.5	-				
urban	Saloon – 17in wheel	57.6	57.6	76.3	74.3				
	Saloon – 18in wheel	-	-	-	68.9				
	Wagon – 16in wheel	57.6	58.9	76.3	-				
	Wagon – 17in wheel	55.4	58.9	74.3	70.6				
-	Wagon – 18in wheel	-	-	-	68.9				
Combined	Saloon – 16in wheel	47.1	47.9	67.3	-				
	Saloon – 17in wheel	47.1	46.3	67.3	62.8				
	Saloon – 18in wheel	-	-	-	58.9				
	Wagon – 16in wheel	46.3	47.1	67.3	-				
	Wagon – 17in wheel	45.6	47.1	67.3	61.4				
	Wagon – 18in wheel	-	-	-	58.9				
Fuel tank c	apacity (I)			60					
Emissions		•							
Engine		1.8 Va	alvematic	1.6 D-4D	2.0 D-4D				
		6MT	MDS	6MT	6MT				
Urban	Saloon – 16in wheel	187	185	131	-				
	Saloon – 17in wheel	189	187	131	148				
	Saloon – 18in wheel	-	-	-	153				
	Wagon – 16in wheel	188	185	131	-				
	Wagon – 17in wheel	191	194	131	148				
	Wagon – 18in wheel	-	-	-	153				
Extra-	Saloon – 16in wheel	112	111	95	-				
urban	Saloon – 17in wheel		114	97	102				
	Saloon – 18in wheel	-	-	-	107				

r	14/	4.4.0	4.4.0		07		
	Wagon – 16in wheel	112	112		97	-	
	Wagon – 17in wheel	116	112		99	104	
	Wagon – 18in wheel	-	-		-	107	
Combined	Saloon – 16in wheel	139	138		108	-	
	Saloon – 17in wheel	140	140		109	119	
	Saloon – 18in wheel	-	-		-	124	
	Wagon – 16in wheel	140	139		109	-	
	Wagon – 17in wheel	143	142		110	120	
	Wagon – 18in wheel	-	-		-	124	
Emissions s	tandard			E	uro 6		
Service inter	vals	1(0,000		12,500 mile	es/annually	
		miles	annually/				
Insurance gr	oups			11E	to 19E		
DIMENSIO	NS						
Body style			Saloon			Wagon	
Overall lengt	th (mm)		4,750			4,820	
Overall width	n (mm)	1,810			1,810		
Overall heig	ht (mm)	1,480			1,480		
Wheelbase	(mm)	2,700			2,700		
Track – from	t (mm)	1,560 (16in wheel)			1,560 (16in wheel)		
		1,550 (17/18in wheel)			1,550	(17/18in wheel	
Track – rear	(mm)	1,550 (16in wheel)			1,55	0 (16in wheel)	
		1,540 (17/18in wheel)			1,540	(17/18in wheel)	
Front overha	ang (mm)	980				980	
Rear overha	ng (mm)	1,030			1,100		
Drag coeffic	ient (Cd)	0.28			0.29		
VDA luggag	e capacity – rear	509				543	
seat up (I)							
VDA luggag	e capacity – rear	n/a			1,609		
seat down (I)						
	Length – rear	960				1,105	
	seat up (mm)						
	Length – rear						
Luggage	seat down		1,685			1,715	
compartmen	t (mm)						
	Max. width	1,470			1,550		
	(mm)						
	Height (mm)		530			765	
WEIGHTS							

Engine		1.8 Valv	/ematic		1.6 D-4D	2.0 D-4D
Transmission		6MT	MDS		6MT	6MT
Kerb weight (kg)	Saloon	1,370 –	1,405 —		!,455 – 1,545	1,470 – 1,550
		1,455	1,47	5		
	Wagon	1,405 —	1,430	-	1,490 – 1,610	1,490 – 1,610
		1,510	1,530			
Gross Vehicle	Saloon	2,000	2,02	0	2,040	2,100
Weight (kg)	Wagon	2,000	2,02	0	2,040	2,100
Towing capacity – brain	aked (kg)	1,500	1,600		1,600	1,800
Towing capacity – un	braked (kg)	500				
WHEELS & TYRES						
Wheel size		16in	<u>ו</u>		17in	18in
Tyre size		205/60R	16	215/55R17		225/45R18

TOYOTA AVENSIS EQUIPMENT SPECIFICATIONS

SAFETY	ACTIVE	BUSINESS	BUSINESS	EXCEL
		EDITION	EDITION PLUS	
Pre-Collision System with	√	\checkmark	√	~
Autonomous Emergency Braking				
Pre-Collision Brake Assist	\checkmark	~	~	√
Automatic High Beam	*	√	\checkmark	✓
Lane Departure Warning	*	√	\checkmark	✓
Road Sign Assist	*	\checkmark	\checkmark	✓
Driver and front passenger	\checkmark	\checkmark	\checkmark	✓
airbags				
Front side airbags	\checkmark	\checkmark	\checkmark	✓
Driver's knee airbag	\checkmark	\checkmark	\checkmark	✓
Full-length curtain shield airbags	\checkmark	\checkmark	\checkmark	✓
Passenger front airbag cut-off	\checkmark	\checkmark	\checkmark	✓
switch				
Isofix child seat mounts on rear	\checkmark	\checkmark	\checkmark	✓
seats				
Five three-point seatbelts with	\checkmark	\checkmark	\checkmark	✓
Emergency Locking Retractor				
Front and rear seatbelt fastening	\checkmark	~	\checkmark	~
reminder system				
ABS with Electronic Brakeforce	\checkmark	√	\checkmark	~
Distribution and Brake Assist				

Steering Assist Vehicle Stability	✓	✓	✓	\checkmark
Control (VSC+) and Traction				
Control (TRC)				
Hill-start Assist Control	✓	<u> </u>	✓	✓
Automatic door locking	· ·	·	·	· ·
	• •	•	•	•
Emergency brake signal	V	•	•	•
Active high level stop lamp	ACTIVE	BUSINESS	BUSINESS	EXCEL
INSTRUMENTS & CONTROLS	ACTIVE		EDITION PLUS	EXCEL
Onvice constant with one of lighter	√			✓
Cruise control with speed limiter		-		
Rain-sensing windscreen wipers	×	✓	✓ 	✓
Dusk-sensing headlights	*	✓	✓	✓ ✓
Dusk-sensing LED headlights	×	×	×	\checkmark
with Adaptive Front-lighting				
System				
Electronic parking brake	✓	✓	~	~
Tyre Pressure Monitoring System	✓	✓	✓	✓
COMFORT & CONVENIENCE	ACTIVE	BUSINESS	BUSINESS	EXCEL
		EDITION	EDITION PLUS	
Manual air conditioning	\checkmark	×	×	×
Automatic dual-zone air	×	\checkmark	\checkmark	✓
conditioning				
Power front windows	\checkmark	\checkmark	\checkmark	~
Power rear windows	×	~	~	~
Follow-me-home headlights	\checkmark	~	~	~
Smart entry and push-button start	×	×	\checkmark	√
Auto-dimming rear view mirror	\checkmark	~	\checkmark	✓
Remote boot release	\checkmark	\checkmark	\checkmark	✓
ENTERTAINMENT,	ACTIVE	BUSINESS	BUSINESS	EXCEL
INFORMATION & NAVIGATION		EDITION	EDITION PLUS	
Multi-information TFT display –	~	×	×	×
monochrome				
Multi-information TFT display –	×	✓	\checkmark	~
colour				
Toyota Touch 2 with Go, with	×	√	\checkmark	×
multimedia touchscreen control,				
six-speaker audio system,				
advanced Bluetooth, access to				
connected services,				
	•	•	•	

SOS/breakdown call alert,				
satellite navigation and rear-view				
camera.				
Toyota Touch 2 with Go, with	×	×	*	✓
additional voice command				
recognition, WiFi hotspot				
function, 3D city mapping and				
rear-view camera.				
DAB digital tuner	×	\checkmark	\checkmark	✓
USB port and AUX-in socket	×	✓	\checkmark	✓
SECURITY	ACTIVE	BUSINESS	BUSINESS	EXCEL
		EDITION	EDITION PLUS	
Remote central locking with	~	√	~	~
double locking				
Thatcham Category 1 alarm and	\checkmark	\checkmark	\checkmark	~
immobiliser				
Lockable glovebox	\checkmark	✓	\checkmark	✓
SEATING, UPHOLSTERY AND	ACTIVE	BUSINESS	BUSINESS	EXCEL
TRIM		EDITION	EDITION PLUS	
Manually adjustable front seats	✓	√	\checkmark	×
Power-adjustable heated front	×	×	×	~
seats with memory setting				
Lumbar support on driver's seat	×	\checkmark	\checkmark	✓
Cloth upholstery	\checkmark	×	×	×
Cloth upholstery with Alcantara				
	×	\checkmark	×	×
inserts	×	\checkmark	×	×
inserts Leather upholstery with Alcantara	× 	×	× ~	×
			× ~	
Leather upholstery with Alcantara			× ~ X	
Leather upholstery with Alcantara inserts	×	×	✓	×
Leather upholstery with Alcantara inserts Premium leather upholstery	× ×	× ×	×	× ✓
Leather upholstery with Alcantara inserts Premium leather upholstery One-touch flat-folding rear seats	× × ·	× × ×	×	× ✓
Leather upholstery with Alcantara inserts Premium leather upholstery One-touch flat-folding rear seats Leather steering wheel and gear	× × ·	× × ×	×	×
Leather upholstery with Alcantara inserts Premium leather upholstery One-touch flat-folding rear seats Leather steering wheel and gear knob trim	× × ✓	× × ✓ ✓	✓ × ✓ ✓	×
Leather upholstery with Alcantara inserts Premium leather upholstery One-touch flat-folding rear seats Leather steering wheel and gear knob trim Boot rails (Touring Sports)	× × ✓ ✓ ×	× × ✓ ✓	✓ × ✓ ✓ ×	×
Leather upholstery with Alcantara inserts Premium leather upholstery One-touch flat-folding rear seats Leather steering wheel and gear knob trim Boot rails (Touring Sports)	× × ✓ ✓ ×	× × ✓ ✓ BUSINESS	✓ × ✓ ✓ BUSINESS	×
Leather upholstery with Alcantara inserts Premium leather upholstery One-touch flat-folding rear seats Leather steering wheel and gear knob trim Boot rails (Touring Sports) EXTERIOR	× × · · · ·	× × · · BUSINESS EDITION	✓ × ✓ ✓ BUSINESS EDITION PLUS	× v v EXCEL
Leather upholstery with Alcantara inserts Premium leather upholstery One-touch flat-folding rear seats Leather steering wheel and gear knob trim Boot rails (Touring Sports) EXTERIOR 16in steel wheels	× × ✓ × ACTIVE	× × ✓ × BUSINESS EDITION ×	✓ × ✓ ✓ × BUSINESS EDITION PLUS ×	×

Front fog lights with cornering	×	×	✓	✓
function				
LED headlights with auto-levelling	×	×	✓	~
LED daytime running lights	\checkmark	~	×	×
(individual spot array)				
LED daytime running lights (with	×	×	✓	~
light guide)				
LED rear light clusters	\checkmark	~	\checkmark	√
Colour keyed bumpers, door	\checkmark	~	✓	✓
handles and mirrors				
Electrically adjustable heated	\checkmark	~	✓	✓
door mirrors				
Electrically retractable door	×	~	✓	~
mirrors				
Rear privacy glass	×	×	\checkmark	√
Skyview panoramic roof (Touring	×	×	×	~
Sports)				
Space saver spare wheel	\checkmark	✓	✓	✓
Tyre repair kit (Touring Sports	×	×	×	✓
with Skyview roof only)				
Metallic/pearlescent paint	Opt	Opt	Opt	Opt

Ref: 180122M