



## Auris, the new Toyota, steps onto the European stage

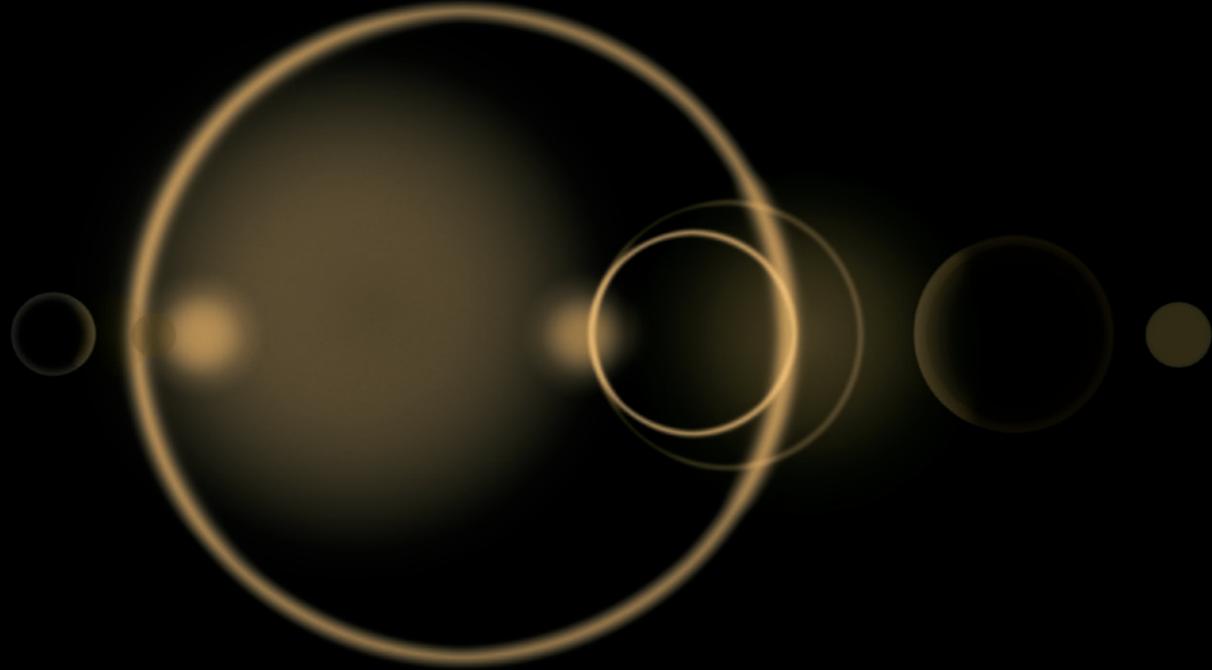
- All-new family hatchback launched
- Distinctive styling, engaging driving pleasure
- 'Inside-out' design approach
- Striking bridged centre console
- Flagship D-4D 180 Clean Power heads model range

The 2006 Bologna Motor Show marks the European premiere of the new Toyota Auris, few months before its launch across Europe during the first quarter of 2007.

From first glance, Auris is distinctive. A bold and dynamic look with original proportions and firm stance - the car stands out from the crowd. It is a car for customers who are not prepared to compromise: stylish to look, exciting to drive, emotionally satisfying to own.

Toyota demonstrates a new design approach: working from the inside out to maximise interior space and passenger comfort; creating a bold, innovative interior with bridged centre console that clearly expresses the sporty character of the car.

The new Toyota is based on a newly developed platform to insure top-level crash performance, an advanced package and an engaging driving pleasure while improving Noise, Vibration and Harshness (NVH). Available in both three and five door body-styles, it will offer wide choice of diesel and petrol power trains. The four grade model line-up is headed by the flagship D-4D 180 Clean Power.



## New name for a new era

- **Noble qualities of gold – Aurum**

“Creating a new name for the new car was a key priority for us,” explains Andrea Formica, Toyota Europe, Senior Vice President for Sales, Marketing and After-Sales. “In order to achieve our step change in volume growth in Europe, we needed to change people’s perceptions of our C-segment hatchback”.

“We believe we have succeeded. The different clinics we have conducted showed an enthusiastic reaction across the markets. The main spontaneous reactions from people were the words: futuristic, high class and attractive. These words perfectly match our brand DNA.”

The name has a resonance with other Toyota models, Yaris and Avensis, while suggesting the precious value of one of nature’s most classic and noble commodities, gold.

Auris will be built in Europe, emphasising Toyota’s commitment to its European production base with the very highest quality standard under the global label ‘Made by Toyota’. The new hatchback will be built alongside Avensis at TMUK in Great Britain and alongside Corolla Verso at TMMT in Turkey.



## Standing out from the crowd

- **Designed in Europe to meet European tastes**
- **Distinctive hatchback, short and tall**

Auris breaks the mould of current C-segment hatchback design. It has an original and distinctive shape that is ‘short and tall’. Short because it maintains an overall length typical to this segment; tall to maximise interior space and passenger comfort.

Auris also expresses sportiness. This effect is achieved by the wide tread – and emphasised by bringing the base of the A-pillar forward. The forward balance of the cabin architecture creates a sense of dynamism and agility, the designers call this “perfect imbalance”.

“The two main purchase reasons when buying a C-segment car in Europe are durability and exterior appeal,” says Andrea Formica, Toyota Motor Europe, Senior Vice President. “With Auris we will satisfy these customer needs; thanks to Toyota’s legendary superior product quality and this distinctive design. This car won’t appeal only to the heart, it will also to the mind.”

Auris was created at Toyota’s European Design Development centre (ED<sup>2</sup>) in southern France. Its dynamic form reflects European taste, style and sophistication.

Key elements are the muscular shape and the bold dynamic lines. Auris creates its distinctive form with a broad width (1,760 mm) and a tall height (1,515 mm). Overall length is 4,220 mm, in combination with a wide front and rear track (1,524 mm and 1,522 mm respectively).

Short overhangs (890 mm front, 730 mm rear) within a long wheelbase (2,600 mm) and a low centre of gravity create a dynamic side silhouette that promises engaging driving performance. This is emphasised through the rising belt-line and strong, forward tilted rear pillar and rear window.

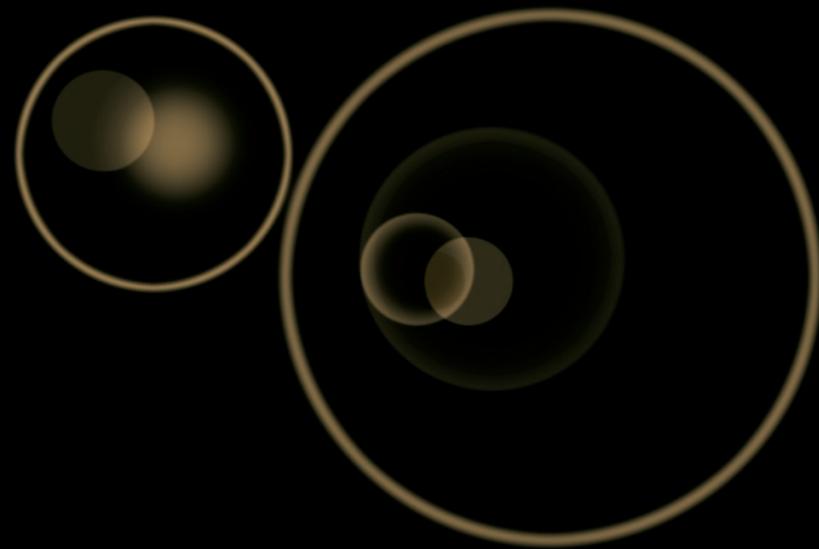
The flared wheel arches are prominent, adding to the sense of width, and the large tyres (the option of 15”, 16” or 17” wheel sizes) fill the arches to project a sporty image. Meanwhile, the body surfaces are fresh and clean with strong character lines to portray emotion in movement. This particularly true of the three-door where the sports driving performance is emphasised in the stretched belt-line graphics and rear pillar shape.

The bonnet, deep bumper and broad wings are all one form, centred on the Toyota symbol mark. The graphics of the radiator grille maintain and further enhance the tradition of the Toyota brand identity.

Detailing adds character and projects a premium image. The sharply angled bumper and the prominent headlamps wrap around to the side in a flowing form, further reducing the sense of overhang.

The rugged theme is carried back to the rear. The rounded shapes again emphasise the flared wheel arches while the width creates a low centre of gravity. The rear hatch is wide, suggesting practicality as well as strength, and the combination lamps flow along the sides to reflect the frontal styling.

Nine bright exterior colours will complement the distinctive Auris style. One is entirely new and four are new to Toyota’s C-segment product range.



## **Bold, spacious interior**

- **Innovative “inside-out” design approach**
- **Bold bridged centre console**
- **Great sense of space and light**
- **Superior quality and comfort**

Auris sets a new standard for interior design: stylish, spacious and sophisticated.

The “inside-out” approach with the car created around the driver creates maximum interior space. The styling with unique design elements, such as the bridged centre console, creates a bold and distinctive environment.

At the same time Auris is practical – with excellent cargo space and Toyota’s unique ‘Easy-Flat system’ seating (adopted from the current Corolla Verso) which allows one-touch folding of the rear seats to create an instantly enlarged loading area.

First impressions count. The bridged centre console makes a clear statement that symbolises the sporty character of the car. Yet the clear space beneath the console also adds to the sense of roominess.

The console enhances excellent ergonomics. The short, direct gear shift lever is moved closer to the natural position for the driver and the parking brake lever is elegantly integrated into the design. The overall effect is to create a driving cockpit with all major controls at your fingertips.

The strong sporty image is carried over into other elements of the design. Front seats are body hugging with a firm shoulder area, long seat cushion and firm side supports. The three-spoke steering wheel is robust with a thick gripping surface and characterful centre padding. Main meters are Optitron-design with three-dimensional layered display.

Space and comfort are here too. Front and rear seat passengers enjoy excellent head and shoulder room, thanks to the tall design. The couple distance (between front and rear seat) has been stretched to 910mm resulting in excellent legroom while the steering position has been moved backwards to create a more natural driving environment.

Ample legroom is available for rear passengers because the floor tunnel has been eliminated to create a low, flat design. The rear seats, which can also split 60:40, fold down using the Toyota Easy-Flat system.

Interior trim reflects the superior quality – with attention to detail in all elements of touch, see and sense. Two interior colours, modern dark grey and warm greige, will be available. Fabrics have a soft touch; door trim is sculpted to create space; door furniture is integrated with the handle and grip as one unit; panel fit and finish is precise.

Storage space is excellent, reflecting the practical, family usage that Auris owners will enjoy. Trunk capacity is 354 litres (with a space-saver tyre) and there are 10 storage areas around the passenger cabin, offering a total storage volume of 32 litres.



OPEN  
SEEK  
TRACK  
MAP  
DEST  
MENU  
TA

AUTO  
A/C

TEMP

OFF

## Engaging driving pleasure

- **Driving performance exceeds expectation**
- **Flagship D-4D 180 Clean Power heads line-up**
- **Full range of high-tech diesel and petrol engines**
- **Choice of transmissions to match customers needs**

Auris promises an engaging drive; it is an experience centred around the driver that begins the moment you sit in the driving seat.

Yoshihiko Kanamori, Auris Chief Engineer, notes: “We took great care of delivering excellent driving pleasure to match the high expectations from customers’ visual appeal.”

So Auris not only looks the part; it delivers. The four grade model line-up needs to appeal across a broad spectrum of customers and Auris offers plenty of choice: three-door or five-door, three diesel engines, two petrol engines, three transmissions.

Flagship of the range is the D-4D 180 Clean Power. This model offers stunning performance and summarises the Auris driving experience.

The 2.2-litre D-4D has already made its mark in Toyota Avensis, Corolla Verso and RAV4 models. Here, in Auris, it develops 130 kW (177 hp DIN) at 3,600 rpm and a massive 400 Nm of torque across 2,000 to 2,600 rpm – ensuring Auris has excellent pulling power under all driving conditions.

The D-4D 180 Clean Power is not only powerful, but clean – making it one of the cleanest engines available on the market today. Equipped with Toyota D-CAT technology, its advanced exhaust gas cleaning system reduces Hydrocarbons (HC) + Nitrogen Oxides (NO<sub>x</sub>), Carbon Monoxide (CO) and Particular Matter (PM) emissions.

Auris D-4D 180 Clean Power will be available with a six-speed manual transmission, matched and designed to optimise its excellent torque characteristics. It will also be fitted exclusively with newly developed, double wishbone rear suspension and rear anti-roll bar to allow owners to fully enjoy the performance available from this flagship model.

At the heart of the Auris range will be two other advanced diesel engines, the punchy 1.4-litre D-4D and the smooth 2.0-litre D-4D. Diesel is expected to account for more than half the sales of Auris.

The 1.4 D-4D develops 66 kW (90 hp DIN) at 3,800 rpm and 190 Nm of torque from 1,800 rpm to 3,000 rpm. This wide torque range makes the D-4D 90 ideal for city driving and its outstanding economy ensures it is a popular choice.

The 2.0 D-4D has been developed from the lightweight 2.2-litre range and develops 93 kW (126 hp DIN) at 3,600rpm. Maximum torque is 300 Nm across 2,000 to 2,800 rpm range when fitted with Oxydation Catalytic converter (300/1,800-2,400 with Diesel Particulate Filter). In real world driving the D-4D 125 is powerful and smooth, offering an excellent balance of lively performance and low fuel consumption.

Auris D-4D 125 will be available with a Diesel Particulate Filter (DPF) which not only strictly reduces Hydrocarbons (HC) and Carbon Monoxide (CO) like conventional catalysts but also enable simultaneous reduction of particulate matter. The DPF is ‘self-cleaning’ and requires no long-term maintenance.

An all-new high performance Toyota petrol engine is introduced with Auris: the 1.6-litre Dual VVT-i. The dual VVT-i technology continually adjusts both the intake and exhaust valve timing of the engine to ensure maximum efficiency under all operating conditions. The newly adopted roller rocker arm system substantially reduces friction between the camshaft and sliding parts, contributing to enhance fuel economy.

This results in significantly increased torque at low and medium engine speeds with increased power output at higher speeds. At the same time, it enhances fuel consumption and reduces emissions. Maximum power output is 91 kW (124 hp DIN) at 6,000rpm while the dual VVT-i technology ensures a remarkably constant torque output for a petrol engine, peaking at 157 Nm at 5,200rpm.

The engine line-up is complemented by a 1.4-litre VVT-i petrol with 71 kW (97 hp DIN) output and 130 Nm of torque at 4,400 rpm. This engine offers excellent fuel economy and quiet, smooth city driving.

All engines in Auris comply with Euro IV emissions standards.

Transmissions for Auris have been carefully selected to match engine output and characteristics, ensuring optimum performance and driving pleasure. A five-speed manual gearbox will be available across most models in the range – with a compact, six speed manual available on D-4D 180 and D-4D 125 models.

Toyota's advanced MultiMode transmission with paddle shifts will be optional with 1.4 D-4D and the new 1.6 Dual VVT-i petrol engines. The transmission offers drivers the alternative of automatic or manual driving mode.

Superior handling and stability is achieved across the range with optimised suspension and steering. A newly developed, L-arm MacPherson strut front suspension ensures excellent stability and steering control while carefully isolating from road noise and vibration.

The rear suspension (except on D-4D 180 Clean Power) is a newly developed torsion beam which accommodates the vehicle packaging while also offering superior handling and ride comfort.

Precise and sensitive Electric Power Steering (EPS) has been fitted to ensure excellent response and reaction to driver input.





## Superior ownership experience

- Quality experience all around you
- Quietest family hatchback available
- Excellent safety specification
- Low cost of ownership

Auris makes a clear statement of superior quality in design, style, driving experience and ownership.

“We paid attention to every detail starting from the driving position to the chassis to ensure ultimate driving performance” says Yoshihiko Kanamori, Auris Chief Engineer.

“Noise, vibration and harshness plays an important role in this. From the beginning we made sure the vehicle structure provided a good base to reduce noise in the cabin.”

Auris is one of the quietest cars in the C-segment hatchback, boom and road noise are reduced significantly with underbody strengthening. Excellent aerodynamics also mean less wind noise providing a silent and relaxed environment in the cabin.

The strong body structure, developed under the principles of MICS (Minimum Intrusion Cabin System) contributes to excellent passive safety too. Crash Energy Management distributes any impact energy away from the passenger cell.

Auris will be available with up-to nine airbags and a driver knee airbag is standard – a first for this class of car. Anti-lock Brakes (ABS) with Electronic Brake force Distribution (EBD) and Brake Assist (BA) is standard. Vehicle Stability Control (VSC) and traction control (TRC) are either standard or optional depending on the market. Thanks to the addition of safety features, Toyota expects to achieve a top class rating in Euro-NCAP tests

Top class ranking is expected as far as cost of ownership is concerned with low insurance ratings, excellent fuel consumption and highly competitive maintenance.



## Technical specifications (Preliminary)

Engine	1.4-litre VVT-i	1.6-litre VVT-i	D-4D 90	D-4D 125	D-4D 180
Engine code	4ZZ-FE	1ZR-FE	1ND-TV	1AD-FTV	2AD-FHV
Type	4 in-line cylinders	4 in-line cylinders	4 in-line cylinders	4 in-line cylinders	4 in-line cylinders
Fuel type	95 Octane petrol (or higher)	95 Octane petrol (or higher)	48 Cetane diesel	48 Cetane diesel	48 Cetane diesel
Valve mechanism	DOHC 16-valve	DOHC 16-valve	DOHC 16-valve	DOHC 16-valve	DOHC 16-valve
Displacement (cm <sup>3</sup> )	1,398	1,598	1,364	1,998	2,231
Bore x stroke (mm)	79.0 x 71.3	80.5 x 78.5	73.0 x 81.5	86.0 x 86.0	86.0 x 96.0
Compression ratio (:1)	10.5	10.2	17.9	16.8	15.8
Max. power (DIN) kW /rpm	(97) 71/6,000	(124) 91/6,000	(90) 66/3,800	(126) 93/3,600	(177) 130/3,600
Max. torque (Nm/rpm)	130/4,400	157/5,200	190/1,800-3,000	DPF: 300/1,800-2,400 CCo: 300/2,000-2,800	400/2,000-2,600
Emissions level	EURO IV	EURO IV	EURO IV	EURO IV	EURO IV

<b>Performance</b>	<b>1.4-litre</b>	<b>1.6-litre</b>	<b>D-4D 90</b>	<b>D-4D 125</b>	<b>D-4D 180</b>
Transmission	5 M/T	5 M/T	MMT	5 M/T	MMT
Max. Speed (km/h)	170	190		175	195
0-100 km/h	13.0	10.4	12.1	12.0	14.7

<b>Fuel consumption *</b>	<b>1.4-litre</b>	<b>1.6-litre</b>	<b>D-4D 90</b>	<b>D-4D 125</b>	<b>D-4D 180</b>
Transmission	5 M/T	5 M/T	MMT	5 M/T	MMT
Combined (l/100km)	6.9	7.1	6.9	5.0	5.0
				CCo: 5.4	6.2
				DPF: 5.7	

Fuel tank capacity (l)	55 l				
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<b>CO<sub>2</sub> emissions *</b>	<b>1.4-litre</b>	<b>1.6-litre</b>	<b>D-4D 90</b>	<b>D-4D 125</b>	<b>D-4D 180</b>
Transmission	5 M/T	5 M/T	MMT	5 M/T	MMT
Combined (g/km)	163	166	161	132	131
				CCo: 144	164
				DPF: 151	

\* According to directive 1999/100/EC

<b>Exterior dimensions</b>	
Overall length (mm)	4,220
Overall width (mm)	1,760
Overall height (mm)	1,515 (D-4D 180: 1,505)
Wheelbase (mm)	2,600
Tread (mm) front	1,536 (1,524 with 205/55R16, 1,516 with 225/45R17)
Tread (mm) rear	1,533 (1,522 with 205/55R16, 1,512 with 225/45R17)
Front overhang (mm)	890
Rear overhang (mm)	730

<b>Interior dimensions</b>	
Interior length (mm)	1,985
Interior width (mm)	1,460
Interior height (mm)	1,245

<b>Luggage compartment</b>	
VDA luggage capacity, rear seat up (L)	354
VDA luggage capacity, rear seat down 1 (L)	777
Length <sup>1</sup> (mm)	1,715
Max. width (mm)	1,185
Height <sup>2</sup> (mm)	865

<sup>1</sup> With rear seat folded away

<sup>2</sup> With deck board removed

The details of specifications and equipment provided in this press information are subject to local conditions and requirements and may, therefore, vary from country to country. Toyota Motor Europe reserves the right to alter any details of equipment and specifications without prior notice.

# Imagebank



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