

THE 2017 TOYOTA YARIS

INTRODUCTION

- New Yaris ready to build on third generation model's success, with European market segment share rising to its highest recorded level
- Toyota's European design and engineering teams take leading role in global project
- More than 900 new parts introduced in c£76 million programme for new Yaris
- Continued success of Yaris production by Toyota Motor Manufacturing France, both for European and global markets
- Design changes focus on giving Yaris a more active and dynamic look, more refinement and a modern interior
- Toyota commitment to safety sees Toyota Safety Sense active safety systems fitted as standard to all new Yaris models
- Yaris Hybrid engineered for even quieter performance and improved ride and steering
- Revised model range with new equipment grades targeting specific customer groups
- New Yaris GRMN performance hatch powered by supercharged 1.8-litre engine developing more than 205bhp

The Yaris success story

The introduction of the new, significantly revised Yaris range is set to add further impetus to the success of Toyota's small hatchback. In fact, the car has continued to increase its share of the B-segment (supermini) market in Western Europe since the launch of the third generation of the model in 2011, rising to more than 6.5 per cent and 208,000-plus sales in the past year.

This performance provides a strong platform on which to strengthen Yaris's established qualities and broaden its appeal to new and increasingly discerning customers in a highly competitive marketplace. Design, quality, performance and safety are key purchase considerations and have been the focus areas for Toyota's programme of improvements.

Petrol-electric hybrid power remains a unique selling point for the model, a powertrain option that is currently accounting for more than 40 per cent of all Yaris's European sales.

Yaris has a strong European heritage, having been manufactured at Toyota Motor Manufacturing France's (TMMF) Valenciennes factory since 2001. Production passed three

million units in 2016, with cars not only supplied throughout Europe, but also sent for export around the world, including Africa, North America and Middle East markets in Asia.

A global project, led by Europe

Toyota handed much of the responsibility for shaping the new Yaris to its European operations, reflecting the strength and quality of the supermini (B-segment) market in the region. Notably, this is the first time that changes developed for Yaris in Europe are being adopted directly for its sister Vitz model, manufactured in Japan.

Going much deeper than a simple mid-life “facelift,” the c£76 million programme sees the introduction of more than 900 new parts to improve the car’s design, dynamic performance and safety. The car’s new look, with significant changes to the front and rear styling, has been created at Toyota’s ED² design studio in the South of France.

A stronger model range

The new Yaris makes a more powerful style statement, displaying new front and rear designs that give the car a stronger harmony of design and project a more active and dynamic look. The appearance is also more refined, with fresh detailing in the bodywork and cabin and new colour choices that enhance the model’s already high levels of perceived quality.

Changes to the interior promote a more modern feel, in particular with new colours, trims and improvements to the instruments and controls. All versions apart from the Active grade model now feature a colour TFT multi-information display in the driver’s instrument binnacle.

Increased customer choice extends to a new 1.5-litre petrol engine, designed to meet more stringent Euro 6c emissions standards and future homologation requirements that address “real world” fuel economy. The new unit delivers 10 per cent more power and torque than the previous 1.33-litre engine, yet also posts an improvement in fuel economy of up to 12 per cent.

Toyota’s commitment to making cars safer is reflected in all versions of new Yaris being equipped with Toyota Safety Sense active safety systems as standard, including a Pre-Collision System with Autonomous Emergency Braking, Automatic High Beam, Lane Departure Alert and Road Sign Assist*.

Where the hybrid model is concerned, engineers have focused on achieving an even quieter ride, particularly under acceleration, introducing a raft of measures including new engine mounts, roll restrictor, front driveshafts and subframe. The design of the new engine mounts and adjustments to the shock absorbers and electric power steering have also improved the hybrid’s ride comfort and steering accuracy.

Toyota's approach to the new Yaris is not just about improving the car, but also creating a stronger model range designed to meet the requirements and preferences of a wider and increasingly selective customer base. The new model is presented with a new grade strategy that targets distinct qualities, from value for money to contemporary style and elegance. The Icon, new Icon Tech and Design grades are at the heart of the line-up, while the new Bi-tone models offer a wider choice of the contrast exterior paintwork finishes that were introduced to the range in 2016. The line-up also includes a revised Excel grade, designed to give the car's style and detailing a more elegant direction.

The Yaris range will be extended later this year to include a performance model in the form of the Yaris GRMN, inspired and influenced by Toyota's return to the World Rally Championship in 2017 with the Yaris WRC. Toyota Gazoo Racing has been directly involved in developing the car, including rigorous testing on the Nürburgring's famous Nordschleife circuit. It will be unique in the hot hatch market in being powered by a supercharged engine – a 1.8-litre unit that will produce more than 205bhp. Suspension, brakes, chassis and steering are all performance-tuned.

*Road Sign Assist not available on Active grade

DESIGN

- Design changes focus on a more active and dynamic look with increased refinement
- Emphasis on horizontal lines and stronger three-dimensional architecture, projecting a wide vehicle stance and low centre of gravity
- New front end displays “catamaran” shape architecture, with new headlight units, new grille designs and simplified treatment of the area around the central Toyota emblem
- New lower door mouldings emphasise new Yaris's athletic profile
- New tailgate, rear light clusters and bumper
- New exterior colours and wheel designs
- New cabin upholsteries, trims and colour choices
- Revised combimeter incorporates new colour TFT multi-information display

Exterior design

Design is a key consideration for supermini customers and the team at Toyota's ED² European design centre has focused on giving new Yaris a more active and dynamic look while at the same time communicating a more refined direction. To achieve this, both the front and rear of

the car have been given a new design architecture that presents a stronger three-dimensional quality, with a greater emphasis on horizontal lines to express a wide stance and low centre of gravity.

The result is a more dynamic and emotional shape that amplifies the qualities of Toyota's basic design principles.

The redesign of the front of the car features a new front bumper that creates a "catamaran" shape with broad sections flowing down from new headlight units, flanking the wide, trapezoidal grille. The result is a more pronounced three-dimensional effect, and the sense of a wider, more planted road stance. A simplified design in the area around the central Toyota emblem adds to the overall dynamic impact.

The grille itself benefits from new treatments that contribute to the new Yaris's more resolute look, with a honeycomb design for Bi-tone grades and arrangement of "stepped" horizontal bars for other grades that again delivers a more eye-catching, 3D effect. The integrated fog light housings either side of the grille have also been reworked with a more compact recess and a vertical line that arcs smoothly to follow the outer edge of the bumper – featuring a bright chrome trim detail on Icon and higher grade models.

New headlight designs

The new headlamp units further develop the qualities of the frontal design, producing a new lighting signature that expresses confidence and individuality. On Bi-tone and Excel models, LED daytime running lights have light guides that create a forked frame around the main lamp. This flows seamlessly into a single line which continues beyond the projector headlamp in a matching chrome trim element that extends towards the central Toyota emblem. On other versions the distinctive forked pattern is created using slim chrome trim bars within the unit.

Dynamic profile view

The new Yaris's side view helps generate added dynamism with more emphasis given to the axis line of the body from front to rear. Here, the new tailgate and rear light units contribute to the sense of extra length and tautness in the car's profile. There is also a new lower door moulding which adds a sportier look by leading the eye neatly into the line of the new rear lamp cluster, finished in piano black or chrome, according to model grade.

The range of wheels for new Yaris includes a new multi-spoke 15-inch alloy for Icon and Icon Tech models; a 16-inch wheel with a black machined face finish for Design and Bi-tone models; and new 16-inch rims specific to the Excel hybrid and petrol-powered models.

Revised rear design with new tailgate, bumper and lamp clusters

At the rear the added sense of refinement is reflected in a stronger central mass, created by a new tailgate design that extends the horizontal emphasis with new rear light clusters that extend from the rear wings onto the door itself. According to model grade, the rear lights feature LED stop and tail lights with light guides, asserting new Yaris's premium quality and, like the front lights, presenting a distinctive illumination signature.

Following the same concept as the new frontal design, a "catamaran" architecture has been created at the rear of the car with a new bumper design that harmonises perfectly with the lines of the tailgate, projecting the sense of a low centre of gravity and wide on-road stance. The powerful quality of this design is supported by a re-shaping of the area framing the licence plate and the addition of black garnish details in the lower bumper, edged with a reflector and finished with a pattern of straked, horizontal lines.

Two new colours have been added to the range of paint finishes available – Nebula Blue and Tokyo Red, taking the total to 10 different shades.

Interior design

The focus for changes to Yaris's interior has been to keep the look and ambience of the cabin feeling fresh and modern, introducing new upholsteries, colours and trim details and upgrading the instrumentation and controls to ensure excellent ergonomics and HMI (human-machine interface) performance.

The combimeter in the driver's instrument binnacle has a new "binocular" arrangement of twin analogue dials flanking a new 4.2-inch colour TFT multi-information display, fitted as standard from Icon grade. Different information and vehicle data can be selected and adjusted using control switches on the three-spoke steering wheel, which itself has a new look with the addition of piano black trim inserts (on Icon grade and higher). A new chrome trim frames the combimeter, adding to the more refined effect.

Other detail changes include new propeller-style air vents, cool blue instrument illumination and a more streamlined, seamless execution of the multimedia screen and controls in the centre console, including new switches that are both neater in appearance and easier to operate.

New upholsteries, trims and colour options

New Yaris offers customers more choice in terms of interior finish, with new, co-ordinated upholstery and trim colour options that harmonise the cabin's appearance.

The entry level Active models feature a grey instrument panel insert and new black cloth upholstery. For the Icon and new Icon Tech versions the upholstery has a smart black/grey gradation pattern and the instrument panel insert and upper door trims are in a toning dark grey with a soft-touch finish and animal grain pattern. On Design models the same upholstery is used, with a black instrument panel and door trim.

For Bi-tone versions there is a dedicated interior treatment for each exterior colour choice: blue with blue/black, burgundy with red/black, warm grey with bronze/black and black with white/black. The colour detailing covers the instrument panel insert, door trims and seat upholstery.

The Excel grade models feature a smart, all-black interior, with part-leather upholstery.

UK GRADE STRATEGY AND PRICING

- New Yaris offered in new and revised equipment grades – Active, Icon, Icon Tech, Design, Bi-tone and Excel
- Toyota Safety Sense now standard on all versions
- Entry-level Active models provide strong basic specification at a competitive price point and with option of hybrid power
- New colour TFT multi-information display on all grades from Icon
- Design models deliver high value for money and feature additional style details, including 15-inch alloy wheels and side sills
- Bi-Tone grade targets younger, style-conscious customers, with contrast exterior paint finishes and toning interior trims and upholsteries
- Revised Excel trim focuses on added refinement with exterior chrome detailing and black interior finish, including part-leather upholstery

The new Yaris is launched with a grade structure designed to maximise the car's appeal to distinct customer groups. All versions are available with the option of hybrid power.

Entry point to the new Yaris range is the Active, available both with 1.0-litre and 1.5-litre hybrid power. Key equipment features include Toyota Safety Sense (now standard on all Yaris versions), equipping the car with a Pre-Collision System, Lane Departure Alert and Automatic High Beam, plus rain-sensing windscreen wipers, power front windows, Bluetooth and a six-speaker audio system. Hybrid models additionally feature automatic air conditioning and projector headlamps.

The Icon versions of new Yaris add new-design 15-inch alloy wheels, cruise control, air conditioning and a 4.2-inch colour TFT multi-information screen. They are also equipped with the Toyota Touch 2 touchscreen-controlled multimedia system and rear-view camera. The Toyota Safety Sense features are expanded to include Road Sign Assist.

The new Icon Tech grade extends the equipment specification to include Toyota Touch 2 with Go, with satellite navigation and access to online services, and front parking sensors.

As the name implies, Design grade focuses on style, reflected in the fitting of 16-inch alloys with a contrasting black and machined-face finish, plus a honeycomb mesh grille, piano black side mouldings, rear privacy glass and a rear spoiler.

The new Yaris adopts Bi-tone as a grade in its own right (having previously been an option for Design models) with a wider choice of contrast colour options: Nebula Blue joins Tokyo Red, Glacier Pearl White and Platinum Bronze, each matched with a black finish for the roof and pillars. The special colour treatment continues in the cabin with different matching trims for the dashboard and door panels. The upholstery designs also tone with the customer's chosen the bi-tone colour. Where equipment features are concerned, the new Yaris Bi-tone models add power rear windows, LED daytime running lights and LED rear lights to the Design specification.

At the top of the new Yaris range Excel grade offers an impressive array of premium quality features. Exterior elements include new-design 16-inch alloys, a rear spoiler and chrome side sills. LED front and rear lights are fitted, with an automatic dusk-sensing function for the headlights. The cabin benefits from automatic air conditioning and part-leather and Alcantara seat upholstery.

A (fixed) panoramic roof is available as an option for Design and Excel models.

All Yaris enjoy the peace-of-mind protection of Toyota's five-year/100,000-mile new car warranty.

DYNAMIC PERFORMANCE

- Yaris Hybrid remains a unique proposition in its segment, with best-in-class CO₂ emissions
- Yaris Hybrid noise and vibration levels reduced with new engine mounts, roll restrictor, front driveshafts and subframe

- New-design engine mounts, shock absorber adjustments and retuned electric power steering improve Yaris Hybrid's ride comfort and steering accuracy
- New 1.5-litre petrol engine with VVT-iE, offering more torque and power but higher efficiency and lower emissions than previous 1.33-litre unit
- Improvement in fuel economy of up to 12 per cent

Improved hybrid powertrain performance

Yaris remains unique in the supermini/B-segment in giving customers the option of hybrid power and the chance to experience the smooth, relaxed and intuitive drive Toyota's world-leading technology provides, together with excellent fuel economy and best-in-class exhaust emissions (from 75g/km CO₂). In developing new Yaris, Toyota engineers listened to customer feedback to understand where improvements might be made to achieve an even quieter and more comfortable ride with better handling and steering accuracy.

Driveco revealing the real benefits of hybrid driving to Toyota hybrid customers

Toyota is deploying a smart data-gathering tool to help European retailers demonstrate to customers how hybrid technology works and the real benefits it can deliver.

The Driveco box is already being used in seven European markets for Hybrid models including Yaris Hybrid and is set for pilot trials in nine more, including the UK. An automatic driver log system, it collects data on test drive journey distances, times and average speeds, plus the proportion of the journey in which car operates in all-electric EV mode, with zero fuel consumption and zero tailpipe emissions. The information can be downloaded and viewed using a smartphone or tablet app, along with comparisons with previous performance, and with the levels achieved by other drivers.

Driveco has already logged data from 900 Yaris Hybrid and more than half a million kilometres of driving in all kinds of environments, from city centres to mountain routes. The combined results reveal that together the cars have operated in EV mode for more than 54 per cent of the time, achieving real-world average fuel consumption of 56.5mpg.

An even quieter drive

Although Toyota hybrids are noted for their quiet performance, new Yaris's engineers undertook a thorough review to ascertain where improvements in noise and vibration levels could be made, in particular to reduce any noise intrusion from the powertrain under acceleration.

As a result, a comprehensive range of measures has been introduced, including the installation of redesigned engine mounts, a larger engine roll restrictor, new front driveshafts and front subframe and a modified air box intake system. Additionally, the exhaust system has been adjusted with a new sub-silencer.

Ride comfort and handling

The new engine mount design also helps the new Yaris Hybrid deliver a more comfortable ride, with less vehicle shake caused by engine movement when driving over uneven surfaces. Changes have also been made to the shock absorbers' damping force and valve design to enhance comfort while maintaining handling performance.

The electric power steering has been tuned for less friction feel and smoother response to driver inputs. Cornering traceability has been improved by more closely aligning the driver's steering effort with the vehicle's response.

New 1.5-litre petrol engine

The new Yaris marks the introduction of a new 1.5-litre four-cylinder petrol engine to the range to replace the current 1.33-litre unit, developed in anticipation of future Euro 6c emissions standard and RDE (Real Driving Emission) homologation requirements. The new unit is being manufactured by Toyota Motor Industries Poland as part of a c£126 million production investment programme by Toyota Motor Europe.

The engine is a member of Toyota's ESTEC (Economy with Superior Thermal Efficiency) family, benefiting from new technical features that deliver better performance and a more enjoyable drive, while at the same time achieving a reduction of up to 12 per cent* in fuel consumption, using the current NEDC test parameters.

In the new Yaris the naturally aspirated 1,496cc engine develops a maximum 110bhp/82kW and peak torque of 136Nm at 4,400rpm. Its responsiveness ensures a comfortable drive both in urban traffic and on the open road. Compared to the 1.33-litre unit, it is 0.8 seconds quicker in acceleration from nought to 62mph (11.0 versus 11.8, with manual transmission), while at overtaking speed in fifth gear the improvement is more than a second, moving from 50 to 75mph in 17.6 seconds compared to 18.8.

Toyota's world-leading experience in hybrid powertrain technology has proved valuable in addressing the challenges presented by the new Euro 6c emissions standard and RDE homologation cycle, witnessed in the new engine achieving a 38.5 per cent thermal efficiency value, placing it among the best on the market. This has been achieved by using a high, 13.5:1

compression ratio, adopting a cooled exhaust gas recirculation (EGR) system and extending the variable valve timing operation so that the engine can switch from the Otto to the Atkinson cycle to gain optimum efficiency in different driving conditions.

The higher compression ratio has been made possible by the combustion chamber design and new pistons, which promote a homogenous air/petrol mixture and rapid combustion. Cooled EGR reduces combustion temperature and also helps prevent engine knocking. Furthermore, the volume of reinjected inert gases allows for a reduction in pumping losses at low and medium loads, improving overall engine efficiency.

The adoption of a new variable inlet valve timing system – VVT-iE** – allows the engine to switch from the Otto to the Atkinson cycle (and vice-versa) in a fraction of a second. Controlled electronically, closure of the intake valve is delayed, reducing the compression phase and further helping reduce pumping losses (Atkinson cycle), and enabling a prompt return to the Otto cycle for better performance under high loads. The phase shift of the exhaust camshaft is hydraulically controlled.

The engineers also focused on improving fuel consumption at sustained motorway cruising speeds, leading to the use – for the first time on a Toyota – of a water-cooled exhaust manifold. By limiting the gas temperature, this avoids the need for mixture enrichment to reduce combustion temperature at any motorway driving speed. As a result, both fuel consumption and exhaust emissions are reduced.

In common with other Toyota ESTEC engines, the 1.5-litre unit benefits from the latest measures designed to reduce friction losses. It is available with the choice of six-speed manual or Toyota's Multidrive S continuously variable transmissions.

*with CVT

** Variable Valve Timing – intelligent Electric Motor

SAFETY

- Toyota Safety Sense active safety systems fitted as standard to all new Yaris models
- The package includes Pre-Collision System with Autonomous Emergency Braking, Automatic High Beam, Lane Departure Alert and Road Sign Assist*
- Rear seat belts with force limiters and pretensioners

Toyota Safety Sense as standard

Toyota puts safety at the heart of its commitment to building ever-better cars, ensuring that the benefits of advanced technologies are not limited to high-end, high-specification models, but are made available across the board. True to this ethos, it has made Toyota Safety Sense a standard feature on all new Yaris models.

This ensures that every car in the line-up is equipped with systems that can help prevent an accident happening, or lessen the consequences if an impact does occur. The package includes a Pre-Collision System with Autonomous Emergency Braking, Automatic High Beam, Lane Departure Alert and, on models higher than Entry grade, Road Sign Assist.

The pre-collision system uses a front-mounted laser to monitor the road ahead, warning the driver of an imminent collision risk and preparing the brakes to deliver emergency braking the moment the brake pedal is pressed. If the driver fails to respond to the warning, the system will trigger Autonomous Emergency Braking to slow the car to reduce the severity of any impact.

Automatic High Beam detects both the headlights of oncoming traffic and the tail lights of vehicles ahead, automatically switching between low and high beam to avoid dazzling other drivers, while maintaining the best possible illumination for night-time driving.

The Lane Departure Alert monitors lane markings on the road surface and helps prevent accidents caused by the vehicle moving out of its lane. If the Yaris begins to deviate from its lane without the turn indicators being used, the system alerts the driver with visual and audible warnings.

Road Sign Assist helps ensure drivers are kept informed about key road warnings and commands, even if they have driven past a road sign without noticing it. The system recognises signs such as speed limits and “no overtaking” restrictions and presents them on the colour TFT multi-information display in the driver’s combimeter. If the driver exceeds the speed limit, the system will activate a warning light and buzzer.

To improve safety for everyone on board, the rear seatbelts now feature force limiters and pretensioners. The head restraints have been redesigned to provide better protection against whiplash injury and the shape of the curtain airbags has been revised. Child seat installation has been made easier with adjustments to the Isofix anchoring system and labelling.

*Road Sign Assist not available on Active grade

A GLOBAL PROJECT LED BY EUROPE

- New Yaris project masterminded by Toyota's European operations, including design, R&D, planning, production and sales and marketing
- European responsibility extended for the first time to include global product changes

Toyota Motor Europe teams have been responsible for managing Yaris's product lifecycle since 2011. This has included delivering the first major revision of the third generation model, together with annual upgrades and new derivatives, such as the Trend and Bi-tone versions, extending the model's market reach and appeal. Their successful collaboration has reached a higher level with the introduction of the new Yaris, delivering significant changes to the car that will be adopted not just for local markets, but globally.

"We have made Yaris more 'European' than ever," says Senior Project Manager Serkan Karaman. "It has been a big challenge, but the experience we have gained since 2011 has improved the way our different functions work together. Year by year we have increased our capabilities and our knowledge and understanding of the market, while at the same time developing more harmonious and effective ways of working together internally."

The project has involved multiple departments, including the ED² design centre in the South of France, product planning, R&D, production and sales and marketing. Their work has helped achieve year-on-year sales growth; in fact Yaris reached a record high of more than 208,000 units and a segment share greater than 6.5 per cent in Europe in 2016, just as the new model was being readied for launch.

"It is usual for a new model to peak then gradually decline in sales volume, but Yaris has continued to increase its market share. This is a great achievement, but it also put more pressure on us to find ways to bring more 'newness' and appeal to the car, something that was felt in every part of the process," says Karaman.

European qualities for a global market

The essentially "European" quality of the new Yaris can be seen in its new design, its higher levels of sensory quality and its dynamic performance. These are in line with Toyota's desire to give the model more emotional appeal, generating a stronger attachment between the customer and their car, in addition to the rational qualities for which Toyota is renowned.

Sensory quality – what the customer sees, hears and feels – is very important in Europe where premium brands are strong and influential, so it has been a constant priority for the teams responsible for the Yaris' lifecycle development.

“Toyota is renowned for being a rational brand, but we knew it was important to give the new Yaris a greater emotional appeal and better dynamic performance. To address these priorities you need to have a close understanding of the market, which is something we have worked hard to achieve,” says Karaman.

The responsibility for defining product changes that will be adopted globally (including for Vitz, the Japanese version of Yaris) has been welcomed by the TME teams and they are proud of their achievement. Success for Yaris in the highly competitive European market signals that it has the potential to succeed elsewhere.

“This is the first time that TME R&D’s role has expanded to create products not just for Europe, but for Toyota globally. The new styling we have created for Yaris will be adopted in full in Japan,” says Karaman. “By developing cars in Europe, we gain better knowledge of the European market and, beyond that, are able to help Toyota in its global strategy to make ever-better cars.”

THE NEW YARIS GRMN

- Toyota’s authentic new hot hatch, inspired and influenced by the Yaris WRC World Rally Championship car
- Developed and built in Europe, with direct input from Toyota Gazoo Racing’s expert drivers
- 1.8-litre engine with unique-in-market supercharger, producing more than 205bhp
- Targeting best-in-class nought to 62mph acceleration
- Reinforced chassis, performance brakes, tuned suspension, Torsen limited-slip differential and 17-inch alloy wheels
- Bespoke front sports seats designed by Toyota Boshoku, offering best body holding and support in class
- European sales introduction from late 2017

The new Yaris range will include the new Yaris GRMN, an authentic, full-blooded and highly tuned hot hatch inspired and influenced by Toyota’s return to the World Rally Championship in 2017 with the Yaris WRC.

The motorsport influence displayed in the unique paint finish – white with red and black detailing on the bonnet and sills, echoing the livery of the competition car.

Toyota's European engineers have taken the lead in developing the Yaris GRMN and its sister Vitz model that will be sold in Japan. Both versions will be built in Europe, too, at Toyota Motor Manufacturing France's plant in Valenciennes.

Although successful GRMN performance models have previously been sold in Japan, this is the first to be marketed in Europe.

Supercharged engine

The Yaris GRMN is unique in the European hot hatch market in being powered by a supercharged engine. The highly responsive 1.8-litre unit will produce more than 205bhp, driving the front wheels through a six-speed manual transmission and enabling a best-in-class nought to 62mph acceleration time.

To ensure this prodigious power is translated into a genuinely rewarding drive, the Yaris GRMN has a reinforced chassis and benefits from suspension tuned through extensive testing on the Nürburgring's Nordschleife, plus a Torsen limited-slip differential for better traction and handling. The car is also equipped with performance brakes, with four-pot callipers for the front discs.

Sports styling

The Yaris GRMN's performance credentials are clearly broadcast in its styling. Offered exclusively in three-door form, it rides on 17-inch multi-spoke alloys and is equipped with a black wing-type rear spoiler.

The bespoke features included dedicated front and rear bumper designs, a rear diffuser and a centre exhaust tailpipe.

The cabin features bespoke front sports seats designed by Toyota Boshoku, providing the best body holding and support performance in the Yaris GRMN's class. Boshoku previously created the seats for the Lexus LFA supercar.

The authentic performance details include a small-diameter, leather-wrapped steering wheel and aluminium sports pedals. The combimeter is redesigned to reflect the car's special sporting character.

YARIS TIMELINE AND SALES

YEAR	MONTH	EVENT
1997	September	Toyota unveils its European-designed Funtime/Funcargo/Funcoupe concept cars at the

		Frankfurt motor show, models that provide the inspiration for the production Yaris.
1999	April	The first generation Yaris goes on sale in the UK, in three and five-door body styles with a 1.0-litre VVT-i petrol engine.
	November	Yaris is named European Car of the Year 2000.
2000	January	Yaris Verso mini-MPV goes on sale in the UK, introducing a 1.3 VVT-i engine that is also offered in Yaris.
	March	Toyota presents a Yaris Cabrio concept at the Geneva motor show. ABS with EBD made standard on all models.
2001	January	European Yaris production starts at the Valenciennes factory in France.
	April	The three-door Yaris T Sport is introduced, with sports suspension, body styling kit and 1.5 VVT-i engine.
2002	January	Yaris Colour Collection Red model is introduced.
	March	A 1.4 D-4D diesel engine debuts in Yaris and Yaris Verso.
	July	Colour Collection Blue is added to the range.
	December	Colour Collection Silver is launched.
2003	April	The Yaris range is revised with new styling details. A five-door T Sport model is introduced and a new grade structure adopted (T ₂ , T ₃ , T Spirit). A new 86hp 1.3 VVT-i engine debuts and MultiMode (M/M) transmission is made available with the 1.0 VVT-i engine.
2004	April	Yaris Blue special edition model is launched.
2005	February	New Yaris Colour Collection feature model is launched.
	September	Yaris Verso UK sales end.
	October	Second-generation Yaris achieves five-star Euro NCAP rating for adult occupant safety.

2006	June	The second generation Yaris is launched with 1.0 and 1.3 VVT-i and 1.4 D-D engines. M/M transmission is available as an option with the latter two units.
	July	Special edition Yaris Ion is launched.
	December	Valenciennes Yaris production passes one million units.
2007	January	Yaris Zinc special edition model is launched.
	March	VSC stability control with TRC traction control made an option on all Yaris models.
	April	New sporting flagship Yaris SR launched, with new dual VVT-i 1.8 engine. Sports-styled 1.3 VVT-i and 1.4 D-4D SR models are also added to the range.
	June	Yaris TR feature model is launched.
2008	January	Yaris TR specification is revised.
2008	February	Yaris SR 1.3 and 1.4 D-4D specification revised
2009	January	2009 Yaris launched with new 1.33 engine with Stop & Start and revised 1.0 VVT-i and 1.4 D-4D engines, and new six-speed manual and MultiMode transmissions. New grade structure introduced: T ₂ , TR, SR and T Spirit. Exterior styling is slightly revised.
	July	TR model revised to include alloy wheels as standard, SR grade deleted from the range.
	October	T Spirit grade is deleted from the range.
2010	January	Introduction of the 2010 Yaris with improved TR equipment specifications and exterior/interior styling details.
2011	January	SR and T Spirit grades reintroduced
	March	Hybrid Yaris HSD concept presented at the Geneva motor show.
	September	New, third generation Yaris launched in the UK in T ₂ , TR, SR and T Spirit grades.
2012	June	Special Edition and Trend models introduced
2013	January	New Yaris Trend introduced.

	December	Yaris adopts a new grade structure (Active, Icon, Icon Plus and Trend). 1.4 D-4D engine is revised to give 99g/km CO ₂ emissions.
2014	May	Toyota announces styling and equipment revisions for Yaris and improved powertrains.
	July	UK prices and specifications for Yaris in the UK are released.
	August	First customer deliveries of the revised Yaris.
2015	June	Yaris's 1.4 D-4D engine becomes Euro 6-compliant, with consequent improvements in fuel economy and CO ₂ emissions.
	August	Toyota Safety Sense is made available as an option on all Yaris models above Active grade.
	December	The 2016 Yaris is launched, with new Design grade and a bi-colour bodywork option. Sport grade is discontinued and Excel grade becomes hybrid-only.
2016	July	The Yaris Orange Edition model is added to the range. Yaris Hybrid achieves equal top score in the 2016 Which? New Car Survey .
2017	March	Yaris undergoes major revisions, announced at the Geneva motor show, including new exterior styling and equipment grades. A new 1.5-litre Dual VVT-iE petrol engine is introduced, replacing the previous 1.33-litre unit. A high-performance version, the Yaris GRMN is also presented at Geneva.
	April	The new Yaris goes on sale in the UK.
	July	The Yaris Yellow Edition model is added to the range.

UK Yaris sales in 2016: 30,402

Cumulative UK sales since launch: 524,070

TOYOTA YARIS TECHNICAL SPECIFICATIONS

1.0-litre VVT-i petrol					
Code		1KR-FE			
Type		In-line 3-cylinder			
Valve mechanism		DOHC 12-valve with VVT-i			
Bore x stroke (mm)		71.0 x 84.0			
Displacement (cc)		998			
Compression ratio		11.5:1			
Max power (bhp/kW @ rpm)		68/51 @ 6,000			
Max torque (Nm @ rpm)		95 @ 4,300			
1.5-litre Dual VVT-iE petrol					
Code		2NR-FKE			
Type		In-line 4-cylinder			
Valve mechanism		16-valve DOHC with Dual VVT-iE			
Bore x stroke (mm)		72.5 x 90.6			
Displacement (cc)		1,496			
Compression ratio		13.5:1			
Max power (bhp/kW @ rpm)		110bhp/82kW @ 6,000			
Max torque (Nm @ rpm)		136 @ 4,400			
1.5-litre VVT-i Hybrid					
Code		1NZ-FXE			
Type		In-line 4-cylinder			
Valve mechanism		16-valve DOHC with VVT-i			
Bore x stroke (mm)		75 x 84.7			
Displacement (cc)		1,497			
Compression ratio		13.4:1			
Max power – full system (bhp/kW)		98/74			
Max engine power (bhp/kW @ rpm)		73/55 @ 4,800			
Max engine torque (Nm @ rpm)		111 @ 3,600 – 4,400			
Electric motor type		Permanent magnet, synchronous			
Max. output (bhp/kW)		59/45			
Max. torque (Nm)		169			
Battery type		Nickel-metal hydride			
TRANSMISSION		1.0 VVT-i	1.5-litre Dual VVT-iE		1.5 VVT-i Hybrid
		5MT	6MT	MDS	e-CVT
Gear ratios	1 st	3.545	3.538	-	-
	2 nd	1.913	1.913	-	-
	3 rd	1.310	1.392	-	-
	4 th	1.027	1.029	-	-
	5 th	0.850	0.818	-	-
	6 th	-	0.700	-	-
	Forward	-	-	2.480 – 0.396	-
	Reverse	3.214	3.333	2.604 – 1.680	-

Differential gear ratio		4.294	4.055	5.356	3.190
PERFORMANCE	1.0 VVT-i 5MT	1.5-litre Dual VVT-iE 6MT	1.5-litre Dual VVT-iE MDS	1.5 VVT-i Hybrid e-CVT	
0-62mph (sec)	15.3	11.0	11.2	11.8	
Maximum speed (mph)	96	109	109	103	
FUEL CONSUMPTION, EMISSIONS &, INSURANCE	1.0 VVT-i 5MT	1.5-litre Dual VVT-iE 6MT	1.5-litre Dual VVT-iE MDS	1.5 VVT-i Hybrid e-CVT	
Combined (mpg, 15/16in wheel)	65.7	58.9/56.5	60.1/58.9	85.6/78.5	
Urban (mpg, 15/16in wheel)	54.3	45.6/44.9	47.9/47.0	91.1/85.6	
Extra Urban (mpg, 15/16in wheel)	74.3	70.6/67.3	70.6/68.9	85.6/78.5	
CO ₂ emissions 15in/16in wheel (g/km)	99	109/112	105/108	75/82	
Insurance groups	2E – 3E	9E – 10E	9E – 10E	8E	
Service schedule	10,000 miles/annually				
DIMENSIONS					
Overall length (mm)	3,945				
Overall width (mm)	1,695				
Overall height (mm)	1,510				
Wheelbase (mm)	2,510				
Track width – front (mm, 15in wheel/16in wheel)	1,485/1,465				
Track width – rear (mm)	1,470/1,455				
Overhang – front (mm)	810				
Overhang – rear (mm)	625				
Interior length (mm)	1,915				
Interior width (mm)	1,420				
Interior height (mm)	1,250				
VDA luggage capacity – rear seat up (l)	286				
Coefficient of drag (Cd)	0.29				
Fuel tank capacity (l)	42 36 (Hybrid)				
WEIGHTS	1.0 VVT-i	1.5 Dual VVT-iE		1.5 VVT-i Hybrid	
Kerb weight (kg)	980 – 1,040	1,040 – 1,125		1,090 – 1,165	
Gross vehicle weight (kg)	1,450	1,545		1,565	
SUSPENSION					
Front	MacPherson struts with anti-roll bar				
Rear	Torsion beam				
BRAKES	1.0 VVT-i	1.5 Dual VVT-iE		1.5 VVT-i Hybrid	
Front (mm)	258 ventilated discs	280 ventilated discs			

Rear (mm)	Drums/278 solid discs (Design & Hybrids)	278 solid discs
WHEELS & TYRES		
Wheel size	15in steel or alloy	16in alloy
Tyre size	175/65R15	195/50R16
STEERING		
Type	Rack and pinion, electric motor power assisted	
Ratio	12.8:1	
Turns – lock to lock (15in/16in wheels)	2.28/2.66	
Minimum turning circle – tyre/body (m)	9.6/10.0 (15in wheels) 10.2/11.0 (16in wheels)	

TOYOTA YARIS EQUIPMENT SPECIFICATIONS

SAFETY	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
Toyota Safety Sense (Pre-Collision System, Autonomous Emergency Braking, Lane Departure Alert, Automatic High Beam and Road Sign Assist)	✓*	✓	✓	✓	✓	✓
Driver's airbag	✓	✓	✓	✓	✓	✓
Front passenger airbag with cut-off switch	✓	✓	✓	✓	✓	✓
Front side airbags	✓	✓	✓	✓	✓	✓
Curtain shield airbags	✓	✓	✓	✓	✓	✓
Driver's knee airbag	✓	✓	✓	✓	✓	✓
ISOFIX child seat fixings on outer rear seats	✓	✓	✓	✓	✓	✓
Child-proof rear door locks	✓	✓	✓	✓	✓	✓
Front seatbelts with pretensioners and force limiters	✓	✓	✓	✓	✓	✓
Five three-point seatbelts with Emergency Locking Retractor (ELR)	✓	✓	✓	✓	✓	✓
Whiplash Injury Lessening (WIL) front seats	✓	✓	✓	✓	✓	✓
Active headrests	✓	✓	✓	✓	✓	✓
ABS with Electronic Brakeforce Distribution (EBD) and Brake Assist (BA)	✓	✓	✓	✓	✓	✓
Vehicle Stability Control (VSC) and Traction Control (TRC)	✓	✓	✓	✓	✓	✓
Seatbelt reminder light and buzzer (front and rear seats)	✓	✓	✓	✓	✓	✓
Tyre pressure monitor	✓	✓	✓	✓	✓	✓
Emergency brake light system	✓	✓	✓	✓	✓	✓
INSTRUMENTS & CONTROLS	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
Multi-information display - monochrome	✓	x	x	x	x	x
4.2 colour TFT multi-information display	x	✓	✓	✓	✓	✓
Headlamp levelling adjustment	✓	✓	✓	✓	✓	✓
COMFORT & CONVENIENCE	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
Remote fuel flap release	✓	✓	✓	✓	✓	✓
Electric Power Steering (EPS)	✓	✓	✓	✓	✓	✓
Cruise control with speed limiter	x	✓	✓	✓	✓	✓
Power front windows	✓	✓	✓	✓	✓	✓
Power rear windows	x	x	x	x	✓	✓
Auto-dimming rear-view mirror	x	x	x	x	x	✓

Rear-view camera	x	✓	✓	✓	✓	✓
Stepless tilt and telescopic steering wheel adjustment	✓	✓	✓	✓	✓	✓
Boot light	✓	✓	✓	✓	✓	✓
Accessory power socket (front)	✓	✓	✓	✓	✓	✓
Rain-sensing front wipers	✓	✓	✓	✓	✓	✓
Follow-me-home headlights	✓	✓	✓	✓	✓	✓
Dusk-sensing headlights	x	x	x	x	x	✓
Auto-dimming rear-view mirror	x	x	x	x	x	✓
Front parking sensors	x	x	✓			
AUDIO, COMMUNICATIONS & NAVIGATION	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
6-speaker audio system	✓	✓	✓	✓	✓	✓
CD player with WMA/MP3 reader	✓	x	x	x	x	x
AM/FM RDS radio	✓	✓	✓	✓	✓	✓
DAB radio	x	✓	✓	✓	✓	✓
Toyota Touch 2 touchscreen controlled multimedia system	x	✓	✓	✓	✓	✓
Toyota Touch 2 with Go satellite navigation	x	Opt	✓	Opt	Opt	Opt
Bluetooth	✓	✓	✓	✓	✓	✓
Aux-in/USB connection	✓	✓	✓	✓	✓	✓
Audio/phone switches on steering wheel	✓	✓	✓	✓	✓	✓
Push-button start	✓**	✓**	✓**	✓**	✓**	✓**
VENTILATION	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
Manual air conditioning	x	✓	✓	✓	✓	x
Automatic air conditioning	✓**	x	x	x	x	✓
Air recirculation and clean air filter	✓**	✓	✓	✓	✓	✓
SECURITY	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
Transponder engine immobiliser	✓	✓	✓	✓	✓	✓
Remote control central double locking	✓	✓	✓	✓	✓	✓
Vehicle parts marking – major parts traceable to VIN	✓	✓	✓	✓	✓	✓
STORAGE	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
Cupholders (front and rear)	✓	✓	✓	✓	✓	✓
Glove box	✓	✓	✓	✓	✓	✓
Cooled glove box	x	x	x	x	x	✓
Front and rear door pockets	✓	✓	✓	✓	✓	✓
SEATING, UPHOLSTERY & TRIM	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
Height-adjustable driver's seat	✓	✓	✓	✓	✓	✓
60:40 split-fold rear seats	✓	✓	✓	✓	✓	✓
Cloth upholstery	✓	✓	✓	✓	✓	x

Leather and Alcantara upholstery	x	x	x	x	x	✓
Soft-touch door and instrument panel inserts	x	✓	✓	✓	✓	✓
Leather gear shift trim	x	✓	✓	✓	✓	✓
Leather steering wheel trim	x	✓	✓	✓	✓	✓
Leather parking brake trim	x	x	x	✓	x	✓
Interior trim and upholstery matched to exterior paint colour	x	x	x	x	✓	x
Side sills - black	x	x	x	✓	✓	x
Side sills - chrome	x	x	x	x	x	✓
EXTERIOR & BODY	ACTIVE	ICON	ICON TECH	DESIGN	BI-TONE	EXCEL
Colour-keyed doorhandles and mirrors	✓ (hybrid only)	✓		✓		✓
Colour-keyed front and rear bumpers	✓	✓	✓	✓	✓	✓
Metallic paint	Opt	Opt	Opt	Opt	✓	Opt
Bi-colour roof and bodywork	x	x	x	x	✓	x
Lower door moulding – black	x	✓	✓	✓	✓	x
Lower door moulding – chrome	x	x	x	x	x	✓
Rear spoiler	x	x	x	✓	✓	✓
Panoramic roof	x	x	x	x	x	Opt
Projector headlights	✓**	✓**	✓**	✓**	✓	✓
LED headlights	x	x	x	x	x	✓
Dusk-sensing headlights	x	x	x	x	x	✓
Halogen daytime running lights	✓	✓	✓	✓	x	x
LED daytime running lights	x	x	x	x	✓	✓
LED rear lights and stop lamp	x	x	x	x	✓	✓
Front fog lamps	x	✓	✓	✓	✓	✓
Electrically adjustable, heated door mirrors	✓	✓	✓	✓	✓	✓
Rear privacy glass	x	x	x	✓	✓	✓
15in steel wheels	✓	x	x	x	x	x
15in alloy wheels	x	✓	✓	x	x	Opt**
16in machined face alloy wheels	x	x	x	✓	✓	x
16in machined finish 10-spoke alloy wheels	x	x	x	x	x	✓
Space saver spare wheel	✓	✓	✓	✓	✓	✓

* Without Road Sign Assist function ** Hybrid only