



## Ford Unveils All-New Focus – Most Innovative, Dynamic and Exciting Ford Ever – 20 Years on from Original Game-Changer

- Designed from a clean sheet of paper, the all-new Ford Focus ushers in a new era for technology, comfort, space and driving experience for Europe’s mid-size car customers. New “human-centric” design for expanded line-up includes first Focus Active crossover and upscale Focus Vignale
- New Stop & Go, Speed Sign Recognition and Lane-Centring technologies help negotiate stop-start traffic. Predictive curve light and Sign-based light help drivers see more clearly
- First Head-up display for a Ford model in Europe delivers greater confidence at the wheel. Active Park Assist 2 enables fully automated parking manoeuvres at the push of a button
- Standard selectable Drive Modes, 20 per cent torsional rigidity improvement and isolated independent rear suspension offering Continuously Controlled Damping – a first for Focus – keep it at the top of the class for driving dynamics and improve comfort
- All-new Focus introduces FordPass Connect embedded modem for connectivity on the move, Wireless charging pad, SYNC 3 with 8-inch touchscreen, and B&O PLAY audio
- Advanced EcoBoost petrol and EcoBlue diesel engines supported by new eight-speed automatic transmission, offering a 10 per cent fuel-efficiency improvement across the range

**COLOGNE, Germany, April 10, 2018** – Ford today delivered the global public debut of the all-new Ford Focus, the most accomplished and technically-competent Focus ever.

Following closer collaboration with customers than ever before, the all-new Focus has been developed from the ground up to provide the most confidence-inspiring, intuitive, and rewarding driving and occupant experience of any mid-size family car in Europe.

Focus introduces a new human-centric design philosophy that fuses emotional exterior styling with class-leading aerodynamics; and delivers an interior offering more space combined with high quality materials and craftsmanship.

The most sophisticated range of Ford driver assistance technologies ever offered to Ford customers is seamlessly integrated to enable an intuitive, stress-reducing and refined driving experience. Advanced technologies include:

- Adaptive Cruise Control (ACC) now enhanced with Stop & Go, Speed Sign Recognition and Lane-Centring for effortlessly negotiating stop-start traffic
- Ford’s Adaptive Front Lighting System with new camera-based Predictive curve light and Sign-based light that pre-adjust headlamp patterns for improved visibility by monitoring bends in the road and – for the first time in the industry – road signs
- Active Park Assist 2 that now also operates gear selection, acceleration and braking to enable fully-automated manoeuvres at the push of a button
- Ford’s first Head-up display (HUD) to be offered in Europe, helping drivers focus their attention on the road ahead
- Evasive Steering Assist, a segment-first technology that helps drivers steer around stopped or slower vehicles to help avoid collisions

The all-new Focus remains true to the nameplate’s 20-year legacy of class-leading driving dynamics, further enhanced with the first Focus-application of Continuously Controlled Damping (CCD) technology for the independent front and rear suspension systems; new Drive Modes; an isolated rear subframe for greater refinement; and Ford-patented spring technology.

The occupant experience is enhanced with comfort and convenience features including FordPass Connect embedded modem for connectivity on the move and a new Wireless charging pad for compatible smartphone devices.

Powertrain options include a further optimised version of Ford's multi-award-winning 1.0-litre EcoBoost and new 1.5-litre EcoBoost petrol engine, both enhanced with Ford's industry-first cylinder deactivation application for three-cylinder engines. New 1.5-litre EcoBlue and 2.0-litre EcoBlue diesel engines deliver ultimate fuel-efficiency, and a new intelligent eight-speed automatic transmission adapts shift patterns to driving style, and is controlled using a stylish and ergonomic Rotary Gear Shift Dial.

“Our all-new Ford Focus is the pinnacle of technology and driving appeal in its segment,” said Joe Bakaj, vice president, Product Development, Ford of Europe. “The chance to build a completely new car from a fresh piece of paper does not come around often. We grabbed it with both hands, to develop the best mid-size family car that money can buy.”

Unveiled in five-door hatchback, wagon and in selected markets four-door body styles, the most comprehensive Focus line-up ever is offered with exclusive personalities to complement the broadest spectrum of mid-sized car customer aspirations, including the stylish Focus Trend and Titanium, sporty Focus ST-Line, upscale Focus Vignale and the first Focus Active crossover.

The all-new Focus is the first vehicle globally to be based on Ford's new C2 platform designed to enhance crash performance; deliver more interior space for Ford's mid-size models without negatively impacting exterior dimensions; and support improved aerodynamics for better fuel-efficiency. Best-ever craftsmanship and quality is delivered following a €600 million investment at Ford's Saarlouis assembly facility, Germany.

Ford has sold almost seven million Focus cars in Europe\* and more than 16 million around the world since the game-changing first generation Focus was introduced in 1998.

“Focus has been our heartland in Europe for two decades. Leading the pack for design, technology and driving fun, it encapsulates everything our customers love about Ford,” said Steven Armstrong, group vice president and president, Europe Middle East and Africa, Ford Motor Company. “With mid-size family cars accounting for almost one-in-five sales across Europe last year, Focus remains as important as ever to our company and our customers, which is why we've put so much energy into developing an all-new model that is among the very best cars we've ever produced.”

## **Human-centric design**

The all-new Ford Focus marks an evolution in Ford design language. Created to deliver rich user experiences with every interaction, the “human-centric” design philosophy unites expressive form language with functional, customer-driven attributes.

“We wanted our all-new Focus to be a product customers fall in love with, and stay in love with,” said Amko Leenarts, director, Design, Ford of Europe. “Inside and out, our new design philosophy is about creating memorable moments of interaction that build and maintain the relationship between human being and machine.”

Focus has matured proportionally, to reflect a more premium, sporting silhouette while offering increased comfort and roominess. The distinctive new silhouette is achieved principally through positioning the A-pillars further rearward; a balanced proportion that allows them to aim towards the centre of the front wheel while the muscular sheet metal of the C-pillars sits squarely over the rear wheels. The resulting longer hood and flowing front fender, coupled to a marked reduction in the wedge of the beltline, is both powerful and elegant, enhancing the car's premium and sporting character.

Extending the wheelbase by 53 millimetres enables a larger tyre diameter, allowing the wheels to be positioned higher into the sheet metal and reducing the perception of length and visual mass. The shorter overhangs and rearward cabin position gives a strong, dynamic stance with a compact impression.

Managing air flow around the vehicle played a pivotal role in the design development of the all-new Focus. A highly sculptural, athletic exterior delivers class-leading aerodynamic efficiency through the sleek, lower profile; the short rear overhangs; truncated corners; and harmoniously integrated aerodynamic features.

Generous in movement, the sheet metal is formed through highly tensioned, athletic sculpturing. Wide surfaces catch the light to visually entertain from front to rear. The long front fenders project with conviction towards the squat rear haunches, creating a dynamic visual agility.

The face of the all-new Focus is simple and harmonious, exuding a clear and assertive presence. A discernibly larger, yet recognisably proud Ford grille sits confidently between the horizontally-biased headlamps, which, like the taillamps, are placed as far outboard as possible to enhance width and stance.

The taillamps are now two-piece, allowing for a more versatile deck-lid opening, while LED lighting technologies provide distinctly recognisable signatures in daylight and darkness. The Focus script is positioned proudly in individual satin-finished letters between the taillamps, reaffirming the premium execution at the rear.

The all-new Focus offers a tailored spectrum of choice, with differentiating executions for Focus Vignale, ST-Line, Active and Titanium reflecting the customers' specific preferences and needs. Identifiers include:

- The Focus Vignale “coast-to-coast” lower front aperture designed to appear more jewel-like and artisanal; and restrained Vignale ornamentation such as the satin aluminium finishes for the roof rails, fascia and rocker inserts, and signature Vignale grille mesh
- The Focus ST-Line's more aggressively styled rear diffuser and larger functional roof-spoiler; more open front apertures designed to enhance performance and reveal the engine components behind; and bold signature ST-Line lower wing elements directing air to the air-curtain inlets
- The Focus Active with its elevated ground clearance and protective black wheel arch and rocker claddings; front and rear skid plates and rocker inserts painted in contrast silver; and bespoke front end design

A palette of 13 exterior colours includes Orange Glow, Desert Island Blue and Vignale-exclusive four-coat Dark Mulberry.

The human-centric design philosophy extends to the interior, which delivers a more inviting and accommodating environment with greater perceived quality – achieved using simple, clean lines, expressive and confidence-inspiring materials, and seamlessly integrated surfaces.

Simplified, less cluttered design supports a more calming atmosphere. Front doors now flow fluidly behind the instrument panel for a visually spacious, upmarket, wrap-around effect. The upper instrument panel and door interiors are constructed from soft touch materials for a more premium feel. Sophisticated jewellery elements reflect contemporary high-end consumer product design, with polished glass and brushed finishes among those offered for the passenger-side instrument panel deco-spear, door trims and air-vent registers.

As with the exterior, the interiors of the all-new Focus derivatives feature unique design elements and materials for a distinctive character, including fine-grain wood-effect finishes and premium leather for Vignale, sporty carbon fibre-effect finishes and red stitching for the ST-Line, and more rugged, textured materials and surfaces for the Active.

“Those ‘busy’ areas where different structures and materials meet within a space are gone,” Leenarts said. “Instead, materials are specifically chosen to better blend and complement each other, emphasising the improved craftsmanship and quality.”

### **Confidence-inspiring technologies**

The all-new Ford Focus introduces a wider range of advanced features than any Ford vehicle before, bringing technologies synonymous with Level 2 automation to a family car.

Sophisticated **Ford Co-Pilot360** technologies enhance protection, driving and parking, and are designed to make the driving experience more comfortable, less demanding and safer.

**ACC with Stop & Go, Speed Sign Recognition and Lane-Centring** helps the vehicle maintain a comfortable driving distance from vehicles ahead; helps reduce stress during long road trips by helping keep the vehicle centred in its lane; and can adjust the vehicle speed to within legal limits by monitoring the roadside and overhead gantries for speed signs in addition to using information from the on-board navigation system. ACC works at speeds up to 200 km/h (125mph).

The new Stop & Go feature enables the ACC system to bring the vehicle to a complete halt in stop-start traffic using up to 50 per cent of total braking force, and automatically pull away if the stopping duration is less than 3 seconds. For stopping durations greater than 3seconds, the driver can push a steering wheel button or gently apply the accelerator pull away.

Lane Centring technology monitors road markings and can apply gentle but discernible torque to the steering system to help drivers stay centred in their lane whenever the ACC system is activated. Designed to support drivers at speeds up to 200 km/h (125 mph), the technology will deliver visual and audible warnings if it detects a lack of steering wheel input from the driver.

“Think back to when you took your driving test, and how hard you had to concentrate to be safe on the road. Driving hasn’t become any less demanding – we just become more accustomed to pressure. Technologies like Stop & Go and Lane-Centring will reduce the demand on drivers, helping them focus their attention and be less stressed, and more confident, at the wheel,” said Helmut Reder, global vehicle line director C-car, Ford of Europe.

**Ford’s Adaptive Front Lighting System with Predictive curve light and Sign-based light** for the first time pre-adjusts headlamp patterns for maximum visibility before reaching a curve, junction or roundabout.

The system uses the forward-facing camera to monitor lane markings up to 65 metres ahead, enabling light from the headlamps to be angled into the corner pre-emptively for improved visibility on approach, rather than relying solely on the driver’s steering wheel inputs. The Ford-patented integration of road sign-reading capability to optimise beam patterns enables the beam to be widened at junctions and roundabouts to better illuminate hazards that are not in the direction of travel.

The all-new Focus lighting technologies including Adaptive Front Lighting System that adjusts the headlight beam angle and intensity to match the driving environment, and **Glare-free high beam** that removes the guilt of accidentally dazzling other drivers and helps users see more of the road ahead at night, are supported by advanced full-LED headlamps that use an innovative adjustable drum configuration for greater flexibility and softer, less distracting transitions.

Focus is also the first Ford vehicle in Europe to offer a **Head-up display (HUD)**, which helps drivers keep their eyes on the road by projecting useful information into their field of vision. The system maximises effectiveness with one of the largest fields of view of any HUD available in Europe, measuring 6 degrees by 2.5degrees. The system is also amongst the brightest available, adjustable in 16 increments up to 10,000 candela per metre<sup>2</sup>.

Special filters for the retractable polycarbonate screen make it the first of its type that can be read by users wearing polarised lenses. Depending on vehicle specification, the configurable selection of projected information includes speed – the only content that is always present; Traffic Sign Recognition; ACC; navigation; Shift Indicator; entertainment system; and emergency notifications.

**Active Park Assist 2** makes parking even easier: delivering fully-automated manoeuvres into parallel and perpendicular parking spaces at the push of a button. Enabled by the shift-by-wire capability of Ford’s new eight-speed automatic

gearbox, the system identifies suitable parking spaces and the driver can control vehicle motion by simply selecting neutral and holding down a single centre console-mounted button.

The vehicle then fully controls forward and reverse gear selection, throttle and braking, as well as steering – manoeuvring into spaces just 110 centimetres longer than the car and on gradients up to 12 percent at speeds of up to 4 km/h (2.5 mph), before engaging park. The technology can also help driver exit parallel parking spaces using fully automated **Park-out Assist**.

Also further enhanced, Ford's **Pre-Collision Assist with Pedestrian and Cyclist Detection** technology can detect people in or near the road ahead, or who may cross the vehicle's path. The system automatically applies the brakes if it detects a potential collision and the driver does not respond to warnings; can now also detect cyclists; and functions in the dark using light from the headlamps.

Additional technologies designed to help Focus drivers avoid accidents and distraction include:

- **Evasive Steering Assist**, designed to operate at city and motorway speeds, which uses radar and a camera to detect slower-moving and stationary vehicles ahead and provides steering support to enable drivers to manoeuvre around a vehicle if a collision is imminent
- **Blind Spot Information System with Cross Traffic Alert**, which warns drivers reversing out of a parking space of vehicles that may soon be crossing behind them and can for the first time now apply the brakes to avoid or mitigate the effects of collisions if drivers do not respond to warnings
- **Rear wide-view camera**, which offers a near-180 degree view to the rear of the vehicle for improved visibility when reversing from parking spaces or driveways
- **Wrong Way Alert**, first available for customers in Germany, Austria and Switzerland, which uses a windscreen mounted camera and information from the car's navigation system to provide drivers with audible and visual warnings when driving through two "No Entry" signs on a motorway ramp
- **Ford MyKey**, which allows owners to programme a key for younger drivers that can inhibit incoming phone calls; restrict top speed; prevent deactivation of driver assistance and safety features; reduce audio system maximum volume, and disable the audio system altogether if occupants are not using seatbelts

Should an accident occur, new **Post-Collision Braking** technology helps to reduce the impact of a potential secondary collision by automatically applying moderate brake pressure when an initial collision event is detected; slowing the vehicle can potentially lessen injury to occupants and further damage to the vehicle.

Ford anticipates a five-star safety rating for the all-new Focus, supported by a 40 per cent increase in front crash load capability from the all-new C2 platform.

### **Energetic and responsive**

A sophisticated all-new chassis complemented with advanced driving technologies delivers a class-leading, energetic, engaging and rewarding fun-to-drive experience for all-new Focus five-door and wagon customers, alongside greater refinement.

The all-new Focus enhances the legacy established by the game-changing first generation model, with a new isolated subframe for the short long arm (SLA) independent rear suspension configuration that optimises both comfort and the vehicle's responses to driver inputs.

The SLA system delivers a desirable balance between front and rear compliance over larger bumps in the road, for smoother journeys. Multi-compound bushes feature different stiffness characteristics when stressed in different directions – separating the sub-frame from the body structure for better isolation of smaller bumps and improved noise, vibration and harshness. A unique SLA geometry for Focus wagon models repositions the dampers helping the vehicle remain agile and responsive even with a fully loaded boot, and helping maximise boot space with a wider load-floor area.



A lightweight twist-beam rear suspension configuration is also offered; refined to deliver the distinctive character and driving dynamics customers expect from Focus. Enhanced using the same Ford-patented force vectoring spring technology that supports the responsive, engaging and fun-to-drive experience of the all-new Fiesta ST, the twist-beam configuration is designed to complement the lighter 1.0-litre EcoBoost and 1.5-litre EcoBlue powertrains.

The advanced spring technology applies vectoring forces to the rear suspension, enabling cornering forces to travel directly into the spring for increased lateral stiffness, and improving stability, agility and responsiveness for an even more enjoyable driving experience.

Refinement of five-door models equipped with SLA suspension is further enhanced with the first introduction of Ford's CCD technology for Focus, which every 2 milliseconds monitors suspension, body, steering and braking inputs, and adjusts damping responses for outstanding ride quality.

The technology also helps reduce the impact of driving through potholes, by detecting the edge of a pothole and adjusting the damper so that the wheel doesn't fall as far into it. Because the tyre and wheel don't drop as far, they don't strike the opposite side of the pothole as harshly. The rear suspension can respond even faster, with a signal from the front wheel providing a pre-warning to the rear wheel well before it reaches the pothole.

The CCD system also supports Drive Mode technology. Normal, Sport and Eco modes are offered for the first time on a Focus, enabling drivers to immediately adjust throttle pedal, eight-speed automatic gearbox, Electronic Power Assisted Steering (EPAS) and ACC characteristics to match the driving situation. When equipped with CCD, Focus also offers Comfort and Eco-Comfort Drive Modes, and will adjust the suspension character accordingly.

A new column-mounted EPAS system and new software deliver an even more responsive, intuitive and engaging feel for a brilliantly rewarding driving experience, complemented by comfort-enhancing features including Torque Steer Compensation. Focus also debuts a bespoke, in-house developed Ford Stability Control system tailored to support Ford driving dynamics, and featuring Torque Vectoring Control.

Braking distances from 100 km/h (62 mph) are reduced by up to 1 metre, supported by the new Electric Brake Booster for select models that builds pressure faster, and delivers a more confident and consistent pedal feel across a broader range of operating conditions.

Focus is the first vehicle to be manufactured using Ford's all-new C2 platform that – combined with an all-new body structure – enabled engineers to enhance stiffness for greater responsiveness. Torsional rigidity is improved by 20 per cent compared with the previous generation Focus, and the stiffness of individual suspension attachment points is increased by up to 50 percent, reducing flex for better body control.

The all-new Focus features an innovative method to increase the stiffness of the rear structure, developed for the acclaimed Ford Focus RS model. An extruded foam is inserted wet into a rear underbody cavity during the assembly process, which then dries and expands under the heat of the paint-drying process to deliver 10 per cent greater local lateral rigidity with minimal additional weight.

From the 10 millimetre lower Focus ST-Line with unique springs, dampers and stabiliser bars, to the more than 30 millimetre raised Focus Active with unique front and rear knuckles, the chassis of every derivative has been tuned to deliver the immediately recognisable Focus character.

“Focus and a class-leading fun-to-drive experience go hand-in-hand and we have no intention of letting any competitor steal that crown,” Reder said. “Our all-new chassis combined with sophisticated technologies like Drive Modes and Continuously Controlled Damping deliver the agility and responsiveness of a hot hatchback, with the refined ride of a large executive car.”

## **Connected and comfortable**

Spacious, practical and well connected – the all-new Focus interior features innovative engineering and advanced comfort and convenience technologies that help the vehicle seamlessly integrate into customers' lives.

Focus introduces FordPass Connect embedded modem technology for Ford customers in Europe, turning the vehicle into a mobile WiFi hotspot with connectivity for up to 10 devices. In addition to helping drivers plan faster, less stressful journeys with Live Traffic updates for the navigation system and enabling occupants to stream entertainment on the move, FordPass Connect allows a range of convenient features via the FordPass mobile app, including:

- Vehicle Locator, helping owners find their car in sprawling shopping mall car parks
- Vehicle Status, for checking fuel levels, alarm status, oil life and more
- Door Lock Unlock, to remotely allow access to your Focus
- Remote Start, for Focus models with eight-speed automatic transmission\*\*
- eCall functionality, which automatically dials emergency services in the event of a serious accident, and enables occupants to be directly connected to the emergency services by pushing an SOS button in the overhead console

Also helping drivers stay connected on the move and wave goodbye to a tangle of cables in the centre console, a new Wireless charging pad beneath the instrument panel enables occupants to easily charge compatible smartphones. The pad automatically detects compatible devices to initiate charging.

Devices can remain connected via Bluetooth to Ford's SYNC 3 communications and entertainment system while using wireless charging. Supported by an 8-inch colour touchscreen that can be operated using pinch and swipe gestures, and compatible with Apple CarPlay and Android Auto™, SYNC 3 allows drivers to control audio, navigation and climate functions plus connected smartphones using simple voice commands.

A new B&O PLAY sound system will help occupants get the best from music streamed via FordPass Connect or smartphone devices. The 675 watt system features ten speakers, including a 140 millimetre boot-mounted subwoofer and a mid-range speaker in the centre of the dashboard, and has been specifically calibrated for the Focus five-door and wagon body styles for one of the best audio experiences of any vehicle, let alone a mid-sized hatchback.

Comfort is key to the more refined and upscale all-new Focus occupant experience. Front seat occupants will enjoy generous shoulder room of 1,421 millimetres, and instrument panel positioning is optimised for greater space. An electric parking brake – standard with eight-speed automatic transmission and for high series models with manual transmission – and Rotary Gear Shift Dial also free up more space for the driver and front passenger. A narrower centre console – enabled by relocating switches and controls to the touchscreen – features soft knee pads for more comfort.

For rear seat passengers, additional space is delivered by the longer wheelbase and flat floor. Knee clearance is improved by more than 50 millimetres compared with the outgoing Focus, for a best-in-class 81 millimetres. Shoulder-room is increased by almost 60 millimetres compared with the outgoing Focus. The impression of spaciousness is enhanced with a rear door design featuring windows that stretch into the rear pillar for a more open sensation, and an available openable panoramic roof.

Developed specifically for the new C2 platform, the Focus heating ventilation and air-conditioning system heats and cools the cabin faster with a more powerful 140 cc compressor, and features more flexible coolant lines and smoother airflow paths for quieter operation. Focus even features special shaping for the door mirrors, designed to help mitigate the buffeting throb effect that can occur when one window is lowered at speed – good news for dog owners.

Speaking of dog owners, there is more good news for them: the wagon boot space is designed to comfortably accommodate a dog crate, with load height increased by 43 millimetres; length to the rear seat increased by 25 millimetres; and – with the rear seats folded via the pull of a switch using the new Easy Fold Seats feature – length to the front seats increased by 175 millimetres for more than 1,650-litre capacity.

Ford's Hands-free tailgate technology allows access to the wagon boot space with a simple kicking motion under the rear bumper, and engineers have delivered a solution to the challenge of where to place the tonneau cover once removed: it now fits neatly beneath the new flexible load floor, and is easier to remove with a simple pull-strap release.

## **Power of choice**

All-new Focus customers can choose from an advanced range of Ford EcoBoost petrol and Ford EcoBlue diesel engines delivering optimised power and refinement; and meeting the latest stringent Euro 6 emissions standards calculated using the World Harmonised Light Vehicle Test Procedure (WLTP). Powertrains are supported by standard Auto Start-Stop for reduced running costs; and slick-shifting six-speed manual and new eight-speed automatic transmissions for effortless cruising.

Ford's multi-award-winning 1.0-litre EcoBoost is offered with 85 PS, 100 PS and 125 PS, and new 1.5-litre EcoBoost engine is offered with 150 PS and 182 PS.

Fuel-efficiency and CO<sub>2</sub> emissions from both EcoBoost petrol engines are enhanced using Ford's industry-first cylinder deactivation system for a three-cylinder engine, which can automatically stop one of the engine's cylinders when full capacity is not needed, such as when coasting or cruising with light demand on the engine. The technology can disengage or re-engage one cylinder in 14 milliseconds – 20 times faster than the blink of an eye – with no compromise in performance or refinement.

Core EcoBoost technologies including advanced turbocharging, high-pressure direct fuel injection and Twin-independent Variable Cam Timing, also feature for both engines. Particulate emissions are reduced using standard gas particulate filter technology.

The 1.0-litre EcoBoost is further enhanced to deliver anticipated CO<sub>2</sub> emissions from 107g/km\*\*\* for the five-door model using:

- A reversed direction cylinder-head from which exhaust gases now exit the rear, for faster warm-up of emission reduction technology
- A high pressure fuel rail that now delivers up to 250 bar injection pressure, helping reduce particulates emissions
- Wide-range cam-phasing, optimised cylinder turbulence and higher compression ratios for more efficient combustion
- Gallery-cooled pistons featuring low-friction piston rings to further reduce energy-sapping friction within the engine

The new 1.5-litre EcoBoost engine delivers CO<sub>2</sub> emissions from an anticipated 122g/km for the five-door model, with features including:

- A new combination of port fuel injection and direct fuel injection that helps deliver high power and responsiveness alongside enhanced fuel-efficiency, with a particular increase in fuel-efficiency under light engine loads
- A low-friction three-cylinder architecture that delivers naturally high torque at low rpm
- An integrated exhaust manifold that improves fuel-efficiency by helping the engine reach optimal temperatures faster, and delivers torque more rapidly by minimising the distance exhaust gasses travel between cylinders and turbocharger
- An all-aluminium construction for reduced weight

Ford's advanced new turbocharged EcoBlue diesel engines are designed to deliver higher power, more torque at low rpm, and enhanced fuel-efficiency and refinement for higher-mileage drivers. The new 1.5-litre EcoBlue is offered with 95 PS and 120 PS both delivering 300 Nm of torque, and with CO<sub>2</sub> emissions from an anticipated 91g/km for the five-



door model. The 2.0-litre EcoBlue engine delivers 150PS, 370 Nm of torque, and CO<sub>2</sub> emissions from an anticipated 112g/km for the five-door model.

The all-new 1.5-litre EcoBlue features innovative technologies, including:

- Low-pressure exhaust gas recirculation combined with water-air charge cooling for more efficient combustion and reduced emissions
- An integrated intake manifold for optimised engine breathing
- Low-inertia turbocharging for faster, more controllable turbo response, featuring rocket engine materials designed for high temperature applications
- A high-pressure fuel injection system that is more responsive, quieter, and offers more precise fuel delivery

In addition to an integrated intake system with mirror-image porting for optimised engine breathing; low-inertia turbocharger; high-pressure fuel injection system that is more responsive, quieter and offers more precise fuel delivery; and standard selective catalytic reduction emissions after-treatment that contributes to improved NO<sub>x</sub> reduction, the 2.0-litre EcoBlue features multiple innovations that reduce friction, including:

- A 10 mm offset crank design that minimises piston side-load, reducing rubbing forces against the cylinder walls
- Steel pistons – used for the first time in a Ford diesel engine – for optimised dimensions and less expansion when hot
- Minimised crankshaft bearing diameters
- A belt-in-oil design for the camshaft and oil pump drive belts

Ford's new quick-shifting eight-speed automatic transmission is engineered to further optimise fuel-efficiency and deliver responsive performance. Available with 125 PS 1.0-litre EcoBoost, 150 PS 1.5-litre EcoBoost, 120 PS 1.5-litre EcoBlue and 150 PS 2.0-litre EcoBlue engines, features include:

- Adaptive Shift Scheduling, which assesses individual driving styles to optimise gearshift timings. The system can identify uphill and downhill gradients and hard cornering, and adjust gearshifts accordingly for a more stable, engaging and refined driving experience
- Adaptive Shift Quality Control, which assesses vehicle and environmental information to help adjust clutch pressures for consistently smooth gearshifts. The technology can also adjust shift smoothness to suit driving style

Ford's latest six-speed manual transmissions also enhance the driving experience with improved shift quality; reduced gear whine and rattle; and a low-friction architectures that feature low-viscosity oils, friction-optimised bearings and in some cases Teflon bushings.

The all-new Focus delivers fuel-efficiency and CO<sub>2</sub> emission improvements of 10percent across the range, according to Ford data, assisted by painstakingly crafted aerodynamics that result in best-in-class drag co-efficients of 0.250 for the Focus four-door and 0.273 for the Focus five-door models. Aerodynamic features include:

- Standard Active Grille Shutter technology that automatically closes to reduce drag when cooling airflow to the radiator is not needed, now featuring improved sealing and ducting
- Air-curtain technology that guides airflow across the front wheels to reduce turbulence
- Air separation features incorporated into the rear bumper and light units, in addition to optimised rear spoiler and window strake designs, to limit drag-inducing vortices
- Additional underbody shielding for the central tunnel, fuel tank and rear axle

Fuel-efficiency is further improved by weight-reductions of up to 88 kilogrammes like-for-like, compared with the outgoing Focus. Even the brake architecture is enhanced to benefit fuel-efficiency: the faster response of the Electric Brake Booster allows more clearance between the brake pads and disc for less drag.

## **Manufactured in Europe**

The all-new Ford Focus is manufactured using industry-first processes at Ford's Saarlouis assembly facility, Germany – delivering best-ever Focus quality and craftsmanship.

A new 6,000 metre<sup>2</sup> hot-forming facility enables ultra-high-strength, lightweight boron steel components to be manufactured on-site, and is the first hot-forming production line in the industry to feature fully automated unloading for optimised efficiency.

Forty-metre furnaces use gas and magnetic induction to heat boron steel plates to 930degreesC, making them pliable enough to be moulded by 1,250 tonne presses. The water-cooled plates are then precisely cut into their final shape inside special cells each containing a laser that slices through the boron steel with a 3,000 degrees C beam.

An advanced new form and pierce process improves fit and finish of the entire Focus front end by using cameras to measure the optimal location for the position of mounting holes, within tolerances of 0.1 millimetres. To ensure ultimate precision, a second camera system monitors the position of the apparatus and can adjust to tolerances of 0.1 millimetres to account for expansion and contraction in changing temperatures. The process enables mounting holes to be positioned with 0.5 millimetre accuracy.

The first Ford-application of a new laser-welding technology operates with greater speed, flexibility and efficiency, and is capable of delivering wobble-welded seams for more strength. Also introduced is advanced tri-focal laser-brazing – the fastest at Ford with an operating speed of 60millimetres per second – for cleaner, stronger and more precise joints between roof and body side.

“Innovation in every area has helped us create an all-new Focus with unprecedented craftsmanship and delivering an unparalleled driving and occupant experience,” Bakaj said. “The all-new Focus is the fulfilment of the Focus promise and as of today, sets the benchmark for others to follow. I am immensely proud of the team that has helped deliver what I believe is the best car we have ever made.”

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Note: The data information in this press release reflects preliminary specifications and was correct at the time of going to print. However, Ford policy is one of continuous product improvement. The right is reserved to change these details at any time.

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FordPass Connect is an optional extra. The on-board modem will be connected at the time of vehicle delivery. You may choose to opt in/opt out of certain data sharing. The technology will be made available in selected markets in 2018, with the remaining markets following through 2019.

Live Traffic access is complimentary for the first 2 years following the purchase of a new Ford featuring SYNC 3 with navigation; thereafter a licence fee is payable.

Wi-Fi Hotspot (up to 4G) includes complimentary wireless data trial that begins at time of activation and expires at the end of 3 months or when 3GB of data is used, whichever comes first. Afterwards a subscription to Vodafone is required, refer to their website for detail of their data packages. To take advantage of the built-in Wi-Fi hotspot capability, a 2018 Ford vehicle must come with the appropriate hardware, and a data plan is required. Data coverage and service is not available everywhere and terms of your data plan, including applicable message and data rates, may apply.

\*Ford of Europe reports sales for its 20 European traditional markets where it is represented through National Sales Companies: Austria, Belgium, Britain, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Spain, Romania, Sweden and Switzerland

\*\*In regions where permitted by law

\*\*\*Officially homologated fuel-efficiency and CO<sub>2</sub> emission figures will be published closer to on-sale date.

The declared Fuel/Energy Consumptions, CO<sub>2</sub> emissions and electric range are measured according to the technical requirements and specifications of the European Regulations (EC) 715/2007 and (EC) 692/2008 as last amended. Fuel consumption and CO<sub>2</sub> emissions are specified for a vehicle variant and not for a single car. The applied standard test procedure enables comparison between different vehicle types and different manufacturers. In addition to the fuel-efficiency of a car, driving behaviour as well as other non-technical factors play a role in determining a car's fuel/energy consumption, CO<sub>2</sub> emissions and electric range. CO<sub>2</sub> is the main greenhouse gas responsible for global warming.

From 1 September 2017, certain new vehicles will be type-approved using the World Harmonised Light Vehicle Test Procedure (WLTP) according (EU) 2017/1151 as last amended, which is a new, more realistic test procedure for measuring fuel consumption and CO<sub>2</sub> emissions. From 1 September 2018 the WLTP will fully replace the New European Drive Cycle (NEDC), which is the current test procedure. During NEDC Phase-out, WLTP fuel consumption and CO<sub>2</sub> emissions are being correlated back to NEDC. There will be some variance to the previous fuel economy and emissions as some elements of the tests have altered i.e., the same car might have different fuel consumption and CO<sub>2</sub> emissions.