100 years of Ford

New look Ford**Mondeo**

Innovative technology. Simply explained

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Innovative technology. Simply explained

The key elements of the new look Ford**Mondeo** combine to deliver distinctive design, outstanding driving quality, optimised interior space and a class leading safety package

But Ford Mondeo isn't just about these traditional strengths – it also boasts a range of innovative features that combine to ensure that it delivers consistently for all our customers.

To create a relaxed and comfortable interior environment, an impressive collection of new premium features are available including; heated and ventilated climate seats', auto lighting, rain sensing wipers and Sony™ branded audio systems.

At the core of Ford Mondeo are technology features that have been developed through original and careful thinking to deliver real world customer benefits.

These systems range from those designed to support the driver and to ensure they maintain optimum control of the vehicle, to the very latest in-car entertainment system developments and surprise and delight features that enhance the ownership experience.

This guide has been designed to help you understand how a number of specific technology features work and – perhaps more importantly, highlights their benefits.

Driving Quality

Since its launch in 2000, Ford**Mondeo** has been universally acclaimed as the class leader for driver enjoyment – and confidence. But Ford hasn't rested on its laurels – since launch, many new and exciting technologies have been introduced to help maintain Ford**Mondeo**'s driving quality credentials. Our common-rail diesel engine is praised by many as the best-in-class, the new Smart Change injection petrol engine has helped maintain a performance and economy advantage, while innovative features such as autolighting help maintain driver convenience

Driving Quality

TDCi –Turbo Diesel Common-rail Injection

Refined, responsive, tax-efficient and quiet. These are the hallmarks of the Duratorq TDCi. With its advanced engine technology and superb performance, this second generation common-rail engine takes diesel refinement to a whole new level.

Common-rail technology delivers outstanding fuel economy, low running costs and reduced emissions. It uses two-stage injection – a pilot and a main injection – and because the fuel is injected in smaller bursts with more precise control of the fuel in the 'rail', the resulting smooth, progressive fuel combustion is both quieter and more efficient than previous-generation diesel engines.

Powerful and lively, even at low revs, Ford Mondeo's TDCi engines produce 130 PS and 330 Nm of torque at only 1800 rpm and 115PS and 280 Nm of torque at only 1900 rpm, respectively – figures that are immediately noticeable on the road and complement Ford Mondeo's acclaimed driving quality. The more powerful 130PS engine comes with the smooth-shifting 6-speed manual transmission as standard, delivering excellent in-gear performance and reduced engine revs at cruising speed for quieter operation.

Extensive noise reduction technology (NRT) makes the TDCi engine one of the smoothest, quietest diesels in its class. This innovative technology incorporates an ingenious system which monitors combustion noise levels, making adjustments every 0.3 milliseconds to the pilot and main injectors, to ensure an incredibly quiet drive.

The latest Ford Mondeo TDCi engine features a revised cylinder head and new injectors that make for even quieter operation, especially cold starting.

Award winning, premium diesel engines that are quiet, refined and powerful

- Quiet and refined driving experience
- Outstanding power and torque on demand
- Powerful and responsive performance
- Low CO_2 levels – the tax efficient choice
- Euro Stage IV compliant

Driving Quality

SCi – Smart Charge injection

Ford Mondeo has a range of outstanding engines, the latest being the all-new direct-injection petrol engine – the 130-PS 1.8 litre Duratec Smart Charge injection, or SCi for short.

The SCi engine uses direct petrol injection, a system inspired by the widely acclaimed 2nd generation common-rail TDCi diesel engine, for improved fuel economy, lower noise and improved CO_2 emissions.

Unlike conventional petrol engines, the Euro Stage IV certified SCi works just like a TDCi, in which fuel is sprayed directly into the cylinders rather than being pre-mixed with air. This 'lean-burn' operation means that SCi uses less fuel at low engine speeds, under idle or light throttle conditions – common real-world driving conditions.

When combined with drive-by-wire throttle technology and the smooth shifting six-speed manual transmission the SCi engine delivers excellent in-gear performance flexibility. And comfortable, relaxed travelling on motorways.

Kind on the wallet and on the environment

- More complete combustion for reduced CO_2 emissions levels
- Increased performance and improved real world economy of between 6-8%*
- Improved torque*

*(vs. comparable 1.8 litre petrol)

Driving Quality

Durashift 5-tronic

Available on selected Ford Mondeo derivatives Durashift 5-tronic is an intelligent five-speed automatic transmission designed to complement the vehicle's acclaimed driving quality. Sophisticated electronics within the next-generation Automatic Transmission Control Unit (ATCU) deliver premium shift quality and enable the system to adapt to the driver's style and adjust to varying driving conditions through 11 separate operational modes.

Modes include 'auto-sport' for crisp, controlled power, and will hold in gear longer whilst upshifting , 'mountain' and 'downhill' for gradients which avoids hunting and helps with engine braking, 'cold' and 'hot' mode, where the system monitors its own operating temperature and enters cooling mode above 120°C. There's even a 'stop and go' mode , where stressful urban driving is minimised by the system selecting 2nd gear instead of first in stop-start traffic for smoother operation.

Durashift 5-tronic gives the driver the freedom to switch from automatic to manual driving at any time. In fully automatic mode, the driver selects 'D' and all five forward gears are electronically selected (when the vehicle speed and engine are appropriate).

In manual mode, the driver can perform sequential shifts by using the 'Select-Shift' feature. The driver simply moves the gear lever across to the right into the hold position and then moves the lever rearward (+ position) to shift to a higher gear or forward (- position) to downshift. The gear lever will spring back into the central hold position after every upshift or downshift.

Alternatively the driver can use the F1-style, steering-wheel mounted button shift actuators instead of the gear lever and improve control by keeping both hands on the steering wheel.

A premium automatic transmission that can act like a manual

- Fully automatic or manual 'sequential' shifts
- F1-style, steering wheel mounted buttons or gear lever control
- Adapts to the driver's style and varying driving conditions

Driving Quality

Six-speed transmission

Specifically designed for higher output engines, this all new manual transmission is the product of a joint venture between Ford and Getrag to produce high quality, latest technology gearboxes. The longer top gear of this unit gives a boost in potential top speed and allows more relaxed cruising on typical motorway journeys.

The gearbox enhances Ford Mondeo's driving quality whilst maintaining refinement, flexibility and increasing real world fuel economy. The ratio of the sixth gear reduces stress on the engine at higher speeds, resulting in better fuel economy and reduced interior noise.

As simple to use as a five speed gearbox, the only variation is the position of reverse gear, which requires the shift lever to be pushed to the far left of centre and then forward to select.

The six-speed transmission is standard on 130PS TDCi, SCi and V6 derivatives

Flexible and efficient, enhanced gearing and real world fuel economy savings

- Greater in-gear flexibility with the potential of higher top speeds
- Enhanced real-world fuel economy from revised gearing
- Smoother more refined travelling

Driving Quality

Rain-sensing wipers

By setting the wiper stalk control to ‘Auto’ a sensor, positioned in the centre of the front windscreen, can detect rainfall and automatically activate the front wipers. The sensor projects infrared light onto the windscreen at a 45° angle. If the glass is dry, most of the light is reflected back to the sensor. If water droplets are on the glass, they reflect the light in different directions – the wetter the glass, the less light is reflected back to the sensor. Sophisticated software within the sensor can set the speed of the wipers by monitoring the build-up of moisture between sweeps.

There is a manual override that will let the driver deactivate the system if required, for example when going through a carwash!

Concentrate on the road ahead

- Enhanced driving safety
- Practical and useful technology
- Never forget to put your wipers on

Driving Quality

Autolighting

Using an ambient light sensor mounted on the back of the rear view mirror, Ford Mondeo's head and tail lights will come on automatically once the outside light level reaches a pre-set level. Autolighting is a highly useful feature particularly as dusk falls or when driving through tunnels or in poor light. This feature is activated once the light control is set to 'Auto'

The driver can operate the lights manually if they require. There is no need to switch the lights off when leaving the vehicle at night, as they will automatically switch off once the ignition key is removed and the vehicle is locked.

Never forget to switch lights on or off

- Enhanced driving safety
- Practical and useful technology
- Lets the driver concentrate on the road ahead

Driving Quality

Self-levelling suspension

It's a fact of life that no car always carries the same load. One day, it might be the driver alone, the next 5 large adults and the paraphernalia of a weekend trip. Traditionally, the suspension settings are a compromise: either the car will be too stiff when lightly loaded, or sit low when fully laden, leading to increased incidence of the suspension 'bottoming', the headlights pointing towards the stars and an uncomfortable drive experience. To minimise these changes Ford Mondeo Estates can be specified with self-levelling rear suspension.

The system itself will effectively measure the loading of the car, and then – by using a piston to automatically control static suspension levels at a predetermined level – adjust the ride height to ensure that it is always level.

The system is fully automatic and requires no driver input. The headlight levelling control is deleted, so drivers never need worry about adjusting it to avoid blinding oncoming traffic.

Optimum ride quality whatever the load

- Stops the suspension from 'bottoming'
- No need to adjust the headlights in normal operation
- Ensures the best ride quality whatever the load

Infotainment

As with every other aspect of Ford**Mondeo**, its audio and communications systems have been developed with a meticulous attention to detail. From the ease of operation to the contemporary appearance of their controls, each of the systems delivers superior performance and quality

From premium audio units to the latest infotainment systems, Ford**Mondeo** provides an unrivalled in-car entertainment and information experience

Infotainment

Audio systems

Ford Mondeo offers customers a choice of models from Ford and Sony. All the units retain their large bezel format, are simple and easy to operate, feature clear graphics and above all deliver superb sound quality.

The latest entry-level Ford Model 6000 audio has a larger display and more than 10% extra power over the previous unit. The Sony branded high-end 6 CD units deliver 30% more power and feature Sony speakers, an in-dash 6-CD changer and Digital Signal Processing (DSP).

Sony's dual cone speaker technology means that they effectively operate as eight separate speakers for an all-round, richer sound quality. The unit itself stores up to 6 discs internally loaded one after another, eliminating the need for a remote unit under the seat or mounted in the bootspace. Loading and unloading couldn't be easier, with the unit displaying clear, precise instructions.

All audio units feature a 'Keycode' security system, speed sensitive volume control, auxiliary input and increased power output for superior sound quality.

High quality audio systems whatever the brand

- Choice of high quality units from Ford and branded units from Sony
- Easy to use and easy to operate
- Premium sound in every vehicle

Infotainment

Multimedia DVD

Ford Mondeo's Multimedia DVD rear seat entertainment system gives passengers access to the latest advances in in-car entertainment technology.

The rear seat entertainment system comprises a DVD player, two 7" Thin Film Transistor (TFT) screens, infrared remote control and two headphone sets. The technologically advanced daylight-viewable screens provide the best resolution, brightness and viewing angle, ensuring clear visibility even in direct sunlight. Each screen is independently switchable between inputs, allowing one passenger to watch a DVD while the other plays a computer game.*

The system is able to play a DVD and any media capable of connecting to an AV input, for example a camcorder or home video games system.

The ultimate in-car entertainment

- Rear seat passengers are entertained on journeys
- The driver can concentrate on driving
- Premium DVD quality playback
- Video or games playback

*with suitable equipment fitted

Infotainment

DVD Satellite Navigation

The Denso RNS high-end Satellite Navigation System features a high-resolution 7" display, colour directional visual/audio route guidance and touch screen controls. The unit includes integrated climate controls and an MP3 compatible single slot CD.

Global positioning satellites allow the unit to pinpoint the vehicle's precise location and provide guidance on the route chosen, updating the position throughout the journey.

Using the touch screen display, a range of options and functions can be easily controlled and routes planned, such as avoiding motorways or details of the nearest petrol station, places of interest and even the most convenient Ford dealer.

Using a dedicated FM frequency, the Denso high-end system uses Traffic Message Channel (TMC)

The industry standard RDS-TMC (Radio Data System – Traffic Message Channel), provides Ford Mondeo satellite navigation system with dynamic up to date traffic information the moment its available. The unit receives traffic warnings via TMC, relevant to the car's location, communicated to driver as both visual and audio alerts. TMC allows the navigation system to propose alternative routes, selected by the driver at the touch of a button, dynamically re-routing Ford Mondeo around the congestion ahead and keeping it on the move.

The Denso system uses the latest generation DVD technology for faster route calculation and incorporates the whole of Western Europe on one DVD.

An integrated system that guides the driver to their chosen destination

- Easy to use touch screen display
- No need to look at a map
- The system calculates the best route possible from wherever the vehicle is located
- Update en-route in case of potential traffic congestion

Infotainment

Multi-function trip computer

Accessed using a button mounted on the direction indicator stalk, the multi-function trip computer provides the driver with a range of instantaneous information; outside temperature, remaining fuel (in miles), average fuel consumption and average speed.

By simply pressing and toggling through each function in turn, the relevant information is clearly displayed within the instrument cluster, each press is accompanied by an audible beep. The driver can reset the trip computer to show average fuel consumption and speed, whereas outside temperature and fuel range is constantly monitored by the vehicle.

A range of useful information at the driver's fingertips

- Updated information at the press of button
- Clear parameters for the next refuel
- Enhanced awareness of the vehicle's performance

Comfort and Convenience

On the outside Ford**Mondeo** projects an assertive stance. Its elegant proportions convey a feeling of strength and solidity, whilst on the inside it cossets occupants providing space, comfort and quality. Some elements of Ford**Mondeo** technology will be used every day, others perhaps less frequently. In day-to-day operation many of these less obvious features have the ability to surprise and delight in equal measure

Comfort and Convenience

Electronic Automatic Temperature Control – EATC

Electronic Automatic Temperature Control (EATC) allows the vehicle occupants to set a specific ambient temperature between 16 and 28 degrees in 0.5-degree steps. EATC reacts to temperature variations via an interior temperature sensor and an instrument panel-located solar sensor.

It's a development from 'standard' or manual air conditioning which put simply provides air at a constant temperature. EATC allows precise temperature control constantly. Front seat occupants can select, and have displayed, their desired interior temperature.

The functionality and performance of the latest EATC system has been revised and improved. EATC now has a more refined start-up and is more efficient and accurate.

In 'Auto' mode, the air conditioning will be switched on and off automatically to maintain the desired comfort levels.

To operate, simply press the AUTO button on the control panel, set the desired temperature using the blue (lower temperature) or red (higher temperature) controls and EATC will adjust the temperature, air flow, blower speed and air distribution accordingly.

EATC ensures a pleasant interior climate for every journey

- Cool, comfortable travelling in hot weather
- Arrive at destinations refreshed and relaxed
- Cleaner air for hay fever/asthma sufferers
- Maintain a constant, consistent temperature

Comfort and Convenience

Variable climate-controlled front seats

Individual variable climate-controlled front seats are a first for a vehicle in Ford Mondeo's segment. More usually found in large luxury cars, variable climate-controlled seats can not only keep the driver and front passenger warm in winter but cool in summer too.

With a choice of five heating and ventilation levels, the seats feature built-in heating elements to provide the desired temperature whilst the perforated seat trim and fans inside the seat allow cool air from within the car to circulate between the seat and its occupants. Interior air is used to ventilate the seats, so a cooling effect will only be achieved if the interior itself is cool. If necessary the driver or front passenger could switch on the air conditioning temporarily to circulate cool air.

Rear passengers aren't left out either, with their own individually heated rear seats available as an option. Controlled using switches mounted on the console between the front driver's and passenger's seats this is yet another first for Ford.

Keep warm in the winter and cool in the summer, seat comfort perfection

- Pleasant seat temperature all-year round
- Improves driving comfort, particularly on longer distances
- Individual seat comfort, controlled by the occupant
- Makes for a relaxing, stress-free journey

Comfort and Convenience

Cruise control

Mounted on Ford Mondeo's steering wheel, the automatic speed control system, more commonly referred to as Cruise control, allows the driver to set and maintain a constant speed. Of particular benefit on long motorways journeys, Cruise control works at speeds of 25mph and above*.

To activate, the driver simply presses the 'On' button located on the left off the centre section of the steering wheel, speeds can be increased or decreased using the '+' button to accelerate and the '–' button to decelerate. These buttons are mounted to the right of the steering wheel. Speeds can also be set, stored and resumed.

Cruise control works in just the way the driver does, by adjusting the throttle position. But Cruise control uses an actuator rather than pressing the pedal to control the throttle. A computer takes inputs from the steering wheel buttons, a throttle position sensor, together with sensors on the clutch and brake as well as monitoring the vehicle's actual speed to set and maintain the desired level.

Cruise control will disengage as soon as the brake pedal or clutch is depressed, or if traction control (including ESP) is activated. It is advisable not to use Cruise control in heavy traffic, on twisty roads or when the road surface is slippery.

*37 mph pn TDCi and automatic derivatives

Maintain a constant controlled speed

- Relaxed driving style
- Keep within speed limits, without inadvertently exceeding!
- The potential for improved fuel consumption

Comfort and Convenience

Park Assist

This system uses four ultrasonic sensors located in the rear bumper, activated when the ignition is switched on and reverse gear has been selected. A short tone will sound to indicate the system's readiness. As the driver reverses, the sensors measure the distance to the closest obstacle behind and immediately to the side of the vehicle's rear end.

When an object is detected in the 'cone' of any of the ultrasonic beams, the driver hears a series of tones from a dedicated speaker located in the rear pillar trim: the faster the tone repeat, the nearer the object. Once the object is within around 30cm of the rear of the car, the tone sounds continuously to warn the driver of impending impact.

Whilst the system is a very useful aid for drivers, the effectiveness of the sensors may be limited in certain circumstances:

- if the sensors are not kept clean
- if an object is above or below the sensor beam cone
- interference from ultrasonic waves, heavy rain or disruptive reflection

Any driver is urged to use the system as an auxiliary assistant to the precautions that they would normally use when reversing.

An simple aid to help avoid the inherent risks of reversing

- Simple and easy to use audible warning system
- Minimises the risk of a collision and a costly repair bill

Privacy glass

Rear privacy glass is more than just a style statement – it reduces glare and provides additional privacy for passengers. They can see the outside world clearly, but nosey passers by cannot see in nearly as well.

Viewed from the side, Ford Mondeo's privacy glass gets progressively darker towards the rear of the car; moving from 55% transparency on the rear door main windows to 35% transparency on the door triangle windows and estate rear quarter windows (a lower % means darker glass). The rear windscreen is 55% transparent to meet with current laws on 3rd brake light visibility requirements.

Travel in style without the glare of the public eye on your journey

- Enhanced vehicle style
- Maintains privacy for rear passengers and reduces glare
- Increased security keeping prying eyes at bay

Comfort and Convenience

Remote keyless entry

Remote keyless entry allows the driver to centrally unlock/lock the vehicle using the key fob at distance from the vehicle if needed. The key fob can be programmed to provide two-stage unlocking – one press will open the driver's door only, two presses for all doors. The tailgate can be opened independently of the doors using the key fob. The unlocking action will activate the vehicle's interior courtesy lights.

If the vehicle is unlocked using the unlock button, but none of the doors, or the tailgate are opened and the ignition is not switched on for 45 seconds, the central locking and the anti-theft alarm system will automatically re-activate.

A double locking feature makes it impossible to open the doors from the inside and in addition to the volume sensing alarm will deter would-be thieves breaking a window and attempting to open a door from the inside. Double locking should not be activated when the vehicle is occupied.

Secure, convenient locking and unlocking

- Re-lock feature ensures the vehicle is not unintentionally left unlocked
- A simple and convenient way to lock and unlock your vehicle

To unlock the doors

Pressing the UNLOCK button once deactivates the double locking and the anti-theft alarm system and unlocks the driver's door – pressing again unlocks all the doors.

To unlock the tailgate

Press the TAILGATE button twice within three seconds.

To lock

Pressing the LOCK button once activates the central locking and the anti-theft alarm system. If the LOCK button is pressed twice within three seconds, double locking will be activated. The direction indicators will flash twice provided all the doors and tailgate are closed.

Comfort and Convenience

Global opening/closing

The global opening/closing feature allows all the power operated windows and power sunroof (where fitted) to be opened or closed; by pressing and holding either the lock or unlock button on the vehicle's remote key fob.

Open or close all windows and sunroof simultaneously at the touch of a button

- Added security by ensuring that windows (or the sunroof) are not inadvertently left open
- Allows the driver to open all windows/sunroof on a hot day to release hot air from the vehicle quicker
- No need to individually open or close windows and sunroof

To open

Pressing and holding the 'UNLOCK' button for two seconds will open all windows fully, no matter when the button is released after the operation has begun. During global opening, the sunroof (where fitted) will also open.

To close

Press and hold the 'LOCK' button for two seconds. Pressing any button stops the closing function. The anti-trap function is also active during global closing.

Comfort and Convenience

Auto rear wipe

The automatic rear wipe function will engage when reverse gear is selected and if the front wipers are already activated, providing a single sweep to clear rainwater from the tailgate glass.

A clear view, whatever the weather

- A clear view behind
- No need to select rear wiper when reversing (provided the front wipers are already activated)

Tailgate release

An electrically powered micro–switch, mounted underneath the tailgate lip. Can be operated independently of the key fob (if the vehicle is already unlocked) by lightly pressing and releasing the switch.

The powered action will fully release the tailgate from its locked position and enable it to be opened. A recessed grip is incorporated on the inside of the tailgate to assist easy closing.

One touch operation, no need to use the key fob

- Manual opening if required
- Light and easy to use

Safety and Security

Ford**Mondeo** comes with its unique Intelligent Protection System as standard on all models, helping to make it one of ‘the safest places to be’. Availability of active safety features such as ABS with EBD, Emergency Brake Assist and Electronic Stability Programme combine with passive safety features to demonstrate Ford's commitment to safety. And Ford Mondeo is secure too: in addition to a host of security features, a volume-sensing alarm is now standard equipment

Safety and Security

Anti-lock braking system (ABS) with electronic brake-force distribution (EBD)

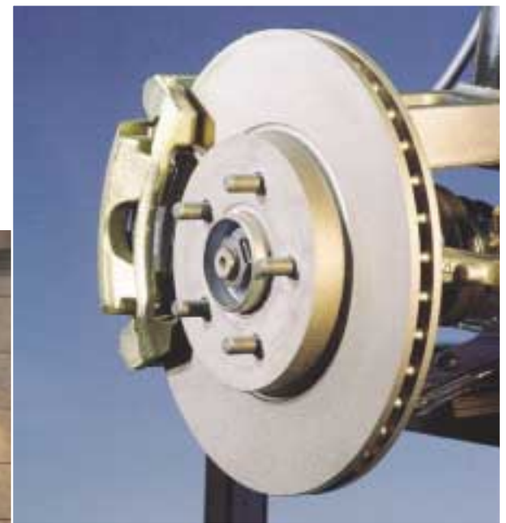
All Ford Mondeo's come equipped with an anti-lock braking system, or ABS for short, as standard. ABS is designed to help you maintain steering control of the vehicle under braking in the most testing of road conditions. ABS acts by ensuring that the vehicle's wheels do not lock-up under heavy braking.

Ford Mondeo features electronically-controlled four channel ABS, with active wheel speed sensors and brake valves for all four wheels. Vacuum-assisted ventilated front and solid rear disc brakes are standard on all models. A controller constantly monitors the wheel speed sensors for any rapid decelerations, if it detects such an event it will rapidly reduce brake pressure on the affected wheel(s) and then re-apply pressure to ensure maximum braking power, without locking up the wheel(s). When ABS is in operation the driver will feel a pulsating through the brake pedal - which comes from the rapid opening and closing of the brake valves – ABS can reduce and re-apply brake pressure up to 15 times per second.

In addition to ABS, all Ford Mondeos feature electronic brake-force distribution (EBD). EBD automatically optimises the front to rear brake force distribution to reduce the tendency to rear wheel lock-up, especially when the vehicle is unladen. EBD is effective before ABS is activated.

Active safety systems designed to support the driver and allow the vehicle to be stopped and steered to safety

- Maintains driving stability during braking
- Reduces the risk of brake lock-up under emergency braking
- Helps maintain steering control under braking on slippery surfaces
- Balanced braking under all load conditions



Safety and Security

Emergency Brake Assist – EBA

Research shows that drivers can react too slowly in emergency braking situations. Many drivers are not prepared for the relatively high efforts required for maximum braking. If an emergency develops, a slow reaction and less than maximum braking input could result in insufficient time or distance to stop before an accident occurs.

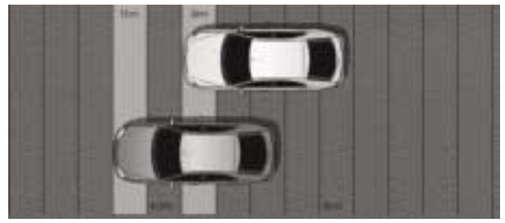
EBA is designed to detect such 'panic stops' and apply maximum braking effort within milliseconds – quicker than the blink of an eye. It interprets braking behaviour by assessing the rate the brake pedal is activated.

If the system identifies an emergency, it automatically initiates full braking faster than any driver can move their foot. Emergency stopping distances can be shortened, reducing the likelihood of accidents – especially the common 'nose to tail' incident.

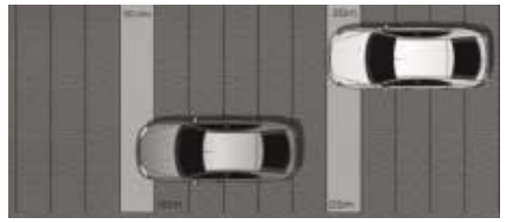
An electronic system designed to recognise emergency braking operation and automatically enhance braking effort

- Improves vehicle and occupant safety
- Can reduce stopping distances (up to 70ft at 125mph)

EBA @ 30mph



EBA @ 50mph



EBA @ 70mph

NOTE: White Ford Mondeo depicted is equipped with EBA

Safety and Security

Electronic Stability Programme – ESP

Electronic Stability Programme (ESP) is a system that senses whether a vehicle is near to losing grip when cornering and automatically applies a braking pulse to individual wheels that will deliver the greatest stabilising effect. This reduces the 'yaw' movement – or lateral acceleration – of the vehicle and helps to restore stability and driver control.

The system uses sensors from the anti-lock braking system (ABS) and Traction Control System (TCS), one on each wheel, a yaw and a lateral acceleration sensor plus a further sensor located in the steering column. The computerised management module will recognise when the vehicle exceeds pre-set limits and the system will be activated if the cornering speed exceeds the limit for the surface conditions.

There are two principal ways in which a car can exceed its dynamic limits; **oversteer**, when the rear tyres slip first, causing a tail slide. And **understeer**, when the front tyres slip first to cause the nose of the car to push in the direction of the vehicle's momentum and away from the direction steered. ESP acts in an instant to counter this. The ESP computer knows when oversteer or understeer is likely to occur by comparing car behaviour with driver intentions and then acts to stabilise the vehicle within milliseconds.

ESP is permanently active. It provides stability and control well before the dynamic limits of the car are reached, to the extent that the driver will never even experience a sensation of oversteer or understeer.

An electronic system designed to help the driver maintain control of the vehicle in critical driving situations

- Boosts vehicle and occupant safety
- Counteracts adverse driving situations such as understeer or oversteer
- Restores stability during sudden movements. For example, avoiding an obstruction in the road – or a severe lane change manoeuvre

Safety and Security **ESP**

Safety and Security

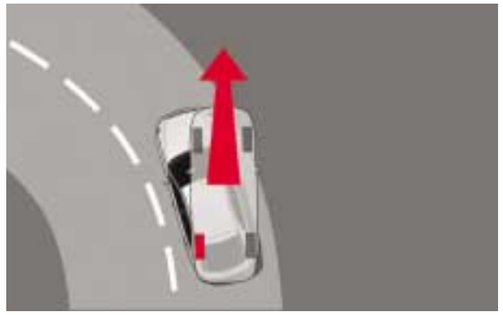
Electronic Stability Programme – ESP

Oversteer

When the rear tyres slip and the tail of the car swings wide, ESP will apply either the left or right front brakes. This introduces a force on the vehicle that acts in the opposite direction to the slide. As the back of the car slides out, there is more adhesion available from the front tyres and ESP uses this to gain the momentum to introduce a countering rotational force to return the vehicle back to the correct path.

Understeer

When the front tyres slip and the nose of the car pushes towards the outside of a curve (causing 'understeer'), ESP will apply either the left or right rear brake. This introduces a force that acts in the opposite direction to the slide. As the front slides first in understeer there is more grip available from the rear tyres and ESP uses this to return the vehicle to the correct path.



Safety and Security

Integrated Child Booster Cushion

Ford Mondeo's outer rear seats can be specified with an Integrated Child Booster Cushion. By releasing the unlocking lever on the seat base, it can be pushed back and upwards into a higher position. Having the booster cushion as an integrated option maintains the versatility of the vehicle to carry adult or child passengers without the inconvenience of having to transport, remove and re-fit an aftermarket booster cushion or child seat. The Integrated Child Booster Cushion designed for children aged between 6 and 12 years, with a height of up to 150cm and weight between 22 and 36kg.

The raised position of the Integrated Child Booster Cushion makes any journey more enjoyable for younger passengers. They are seated more comfortably with a better view of their surroundings. The raised position also improves safety – the diagonal strap of the seatbelt falls across the child's shoulder, improving the effectiveness of the restraint in the event of an impact.

Enhanced safety, comfort and enjoyment of short or long journeys for younger passengers.

- Simple to use and maintains versatility of the rear seat for either adult or child passengers
- Raised seating position allows the seat belt to be positioned for optimum safety and comfort for younger passengers
- Enhanced travel experience for children

Note
A choice of ECE approved child seats including baby safety seats, child safety seats, booster cushions and the Vario child safety seat are available from Ford dealers. The correct restraint to be used depends on the child's age, weight and height

Safety and Security

Volume Sensing Alarm

A volume sensing alarm is the best way of detecting unwanted intruders. The system functions by filling the interior of a locked parked car with ultrasonic waves – if the patterns of these waves are broken, the alarm sounds. Working in conjunction with a perimeter alarm which will detect any door bonnet or boot/tailgate being opened; the volume sensing alarm will detect glass breaking too.

The system is automatically activated and deactivated through the remote control key fob or door looking system. If the alarm is activated, the siren will sound for 30 seconds and the hazard flasher lights will flash for five minutes. Any attempt to start the engine or remove the radio will trigger the alarm siren again.

The engine immobiliser is linked directly to the volume sensing alarm, meaning that both alarm and immobiliser can only be activated/disabled using the remote key fob.

Maintains optimum security for your vehicle and belongings, no matter how persistent the intruder.

- Monitors the interior space for any abnormal movement or entry
- Extra security for the vehicle and contents

Telephone pre-equipment pack

The telephone pre-equipment pack, or universal hands free phone system, enables the driver to make and receive calls on their mobile phone without taking their hands off the steering wheel.

The system will mute the radio or CD playback during the call, and resume the original volume when the call is completed. The kit comprises; a central unit, voice loudspeaker, hands-free microphone, model specific cable-set and aerial (either glass stick-on or roof-mounted). The system has an automatic charging function integrated into the holder.

Various styles of mobile specific holders are available for a range of mobile phones at extra cost.

A fully-integrated system that allows the driver to concentrate on the road ahead

- Safe driving at all times
- Latest technology, suitable across a wide range of mobile phones
- Complies with current legislation*

* Country specific – please check local market regulations