

Ford Mondeo

Hatch, Estate, & Mondeo Hybrid (Saloon)



This is the first global platform Mondeo with a high UHSS/AHSS content, the first European built Ford hybrid powertrain, Active City Stop (AEB) and ACC with Collision Mitigation.

MANUFACTURERS:

- ALFA ROMEO

AUDI

BENTLEY

BMW

CADILLAC

CHEVROLET

CHRYSLER/JEEP

CITROEN

DACIA

FIAT

FORD

GEELY

GREAT WALL

HONDA

HYUNDAI

INFINITI

ISUZU

JAGUAR

KIA

LAND ROVER

LEXUS

LOTUS

MAZDA

MERCEDES BENZ

SAIC MG

MINI

MITSUBISHI

NISSAN

PEUGEOT

PORSCHE

PROTON

RENAULT

ROLLS ROYCE

SEAT

SKODA

SSANGYONG

SUBARU

SUZUKI

TATA

TOYOTA

VAUXHALL

VW

VOLVO

OTHERS

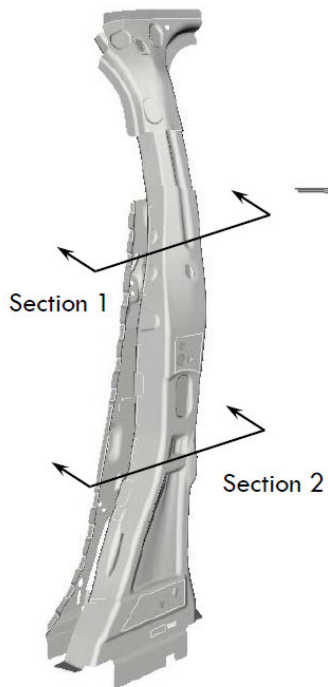
OTHER CAT.:

- REPAIR

SAFETY

GENERAL





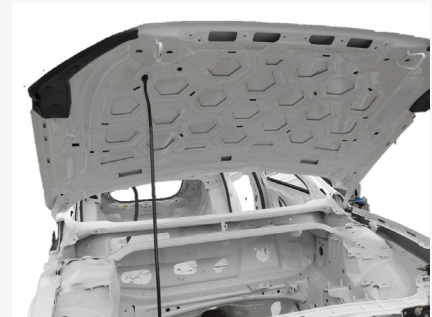
The platform was developed from the previous EU CD platform with significant enhancements for crash performance and improvements to NVH performance. The body is built from 7 main material groups with average yield strength of 348 MPa. There is a hydro-formed DP1000 tubular reinforcement from the base of the A pillar to the C pillar, and another two DP1000 reinforcement tubes in the B post, between an inner B post, B post reinforcement and upper B post reinforcement; all of Boron steel saving 6 kg over Press Hardened Steel, with joining by spot weld and laser welding, as is the upper A post. The outer bodyside is laser welded to the A post tube. These and other areas also see application of structural adhesives (21 metres in total) to further increase body stiffness.

With the roof header rail (AHSS) and main roof cross-member (Boron) joined to the tubular reinforcement, there is an effective ring around the sunroof aperture. The roof itself, made of Bake-Hardened Steel (BH300), has a reduced gauge of 0.65mm with DVD pads bonded beneath the surface for stiffness and NVH reduction.

Frontal impact load paths are managed through HSS chassis legs, reinforced by an AHSS bulkhead reinforcement that channels the forces through to the A Post and sills.

Press hardened steel is used in limited applications including the door impact beams (do not repair).

Bake Hardened (< 300MPa) Steel was chosen for the bonnet (for Europe only) to achieve the required pedestrian protection performance, with the same material used for the doors.



The tailgate for the hatchback models (power tailgate option) is produced from magnesium to reduce weight by 7kg.

Technology :

The Mondeo introduces rear seat SRS safety belt airbags (£175) that inflate to 5 times the usual surface area to reduce injuries in an impact.

The Active Grille Shutter opens and closes to manage air flow to the engine bay whilst minimising wind resistance.

SYNC 2 connectivity is on all models, enabling voice control of phone, navigation, entertainment and air-conditioning systems.





Advanced Driver Assistance Systems

The Mondeo uses a windscreen mounted camera for Pedestrian Detection, warning the driver and then applying autonomous braking should the driver not respond. This is part of the Adaptive Cruise Control with Collision Mitigation (available as an option on the Titanium and Hybrid).

Active City Stop (AEB) is an option on all trim levels; with function up to 25 mph.

Lane Keeping Aid with Traffic Sign Recognition combines Lane Keeping Assistance (which applies steering torque if the system detects the vehicle wandering out of lane) and uses the same camera to read and display traffic signs such as speed limits and overtaking restrictions.

A Blind Spot Monitoring system is available on Zetec and Titanium models (£500).

Trim levels & options:

All models have SYNC 2 with Emergency Assistance (e-call).

Style: 16" alloy wheels, cruise control, climate control, front electric windows, and an electric parking brake.

Zetec: these also have 16" alloy wheels, power folding door mirrors, front and rear electric windows, bumper and sill mouldings in body colour, front fog lamps, and a heated windscreen.

Titanium: these receive 17" alloy wheels, a DAB info/Navigation system, automatic lights and windscreen wipers and push button starting. Lane Keeping Aid (LKAS) and Traffic Sign Recognition are standard.

Titanium (with X Pack): This adds heated leather seats, privacy glass and keyless entry. In addition it features Adaptive LED headlamps. Lane Keeping Aid (LKAS) and Traffic Sign Recognition are standard.

Front and rear parking sensors are available on all models (£450), and a Rear View Camera is available on Zetec and above (£250).





Paint colours:

	Blazer Blue COB standard colour		Frozen White COB £250 option		Deep Impact Blue metallic £545
	Magnetic metallic £545		Lunar Sky metallic £545		Tectonic Silver metallic £545
	Panther Black metallic £545		Moondust Silver metallic £545		Ruby Red special paint colour £795
	White Platinum special paint colour £795				

Powertrains :

The Mondeo comes with 1.5 and 2.0 EcoBoost petrol engines from launch, with the 1.0 EcoBoost becoming available from early 2015. Diesel is available in 1.6 and 2.0 (including ECONetic) variants.

The hybrid (available as a saloon only) combines a 2.0 petrol engine with an electric motor drawing energy from a 1.4 kWh lithium-ion battery pack. This utilises regenerative braking and electrically driven water pumps, air conditioning compressor (which draws from the 1.4 kWh pack so the engine can switch off more often) and electric power steering.

Engine		Emissions Standard	Transmission	Peak Power	Peak Torque	CO2 (g/km)
1.5 EcoBoost	Petrol	Euro 6	6sp man./6sp auto	158 bhp	240 Nm	134
2.0 EcoBoost	Petrol	Euro 6	6sp auto	237 bhp	340 Nm	169
1.0 EcoBoost	Petrol					
1.6 ECONetic	Diesel	Euro 5	6sp man.	113 bhp	270 Nm	94
2.0 ECONetic	Diesel	Euro 6	6sp man.	148 bhp	350 Nm	107
2.0 Duratorq	Diesel	Euro 6	6sp man. /6sp twin clutch	148 bhp	350 Nm	115/125
2.0 Duratorq	Diesel	Euro 6	6sp man. /6sp twin clutch	178 bhp	400 Nm	115/125
2.0 Ivct	Petrol /electric Hybrid	Euro 6	6sp Auto.	185 bhp	173 Nm	99

