



# FORD 2.0 ECOBLUE

## FORD'S HARDEST WORKING DIESEL ENGINE

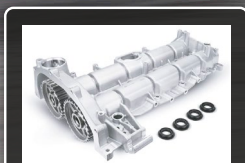
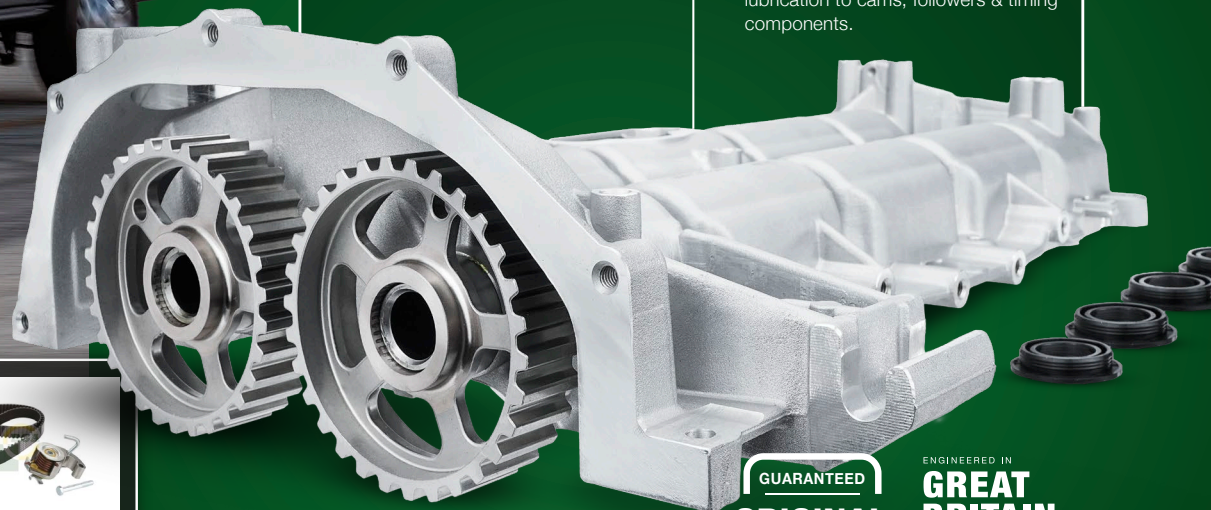
### CS2323FK

#### KIT CONTENTS:

- ✓ Complete Cam Carrier Housing
- ✓ Inlet & Exhaust Camshafts (Pre Installed)
- ✓ Camshaft Sprockets
- ✓ Carrier Seals

#### TECHNICAL SPECIFICATIONS:

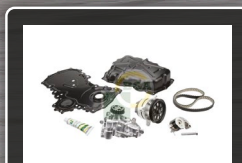
- ✓ OE Matched camshaft timing geometry for precise valve actuation.
- ✓ High strength aluminium casting. Precision machined bearing journals.
- ✓ Optimised oil channels for stable lubrication to cams, followers & timing components.



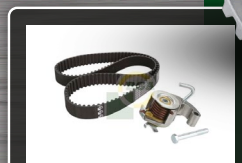
**CS2323FK**  
Camshaft Kit



**FC2305**  
Timing Cover



**TB2397K**  
Super Kit



**TB2345K**  
Timing Belt Kit





# 2.0 ECOBLUE MODELS

The 2.0 Ecoblue is one of the most widely used diesel engines in Europe, powering everything from family cars to commercial workhorses.

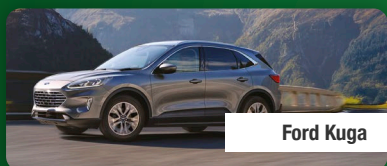
## FORD



Ford Focus + Mondeo



Ford Galaxy + S-Max



Ford Kuga



Ford Ranger + Edge



Ford Tourneo



Ford Transit

The latest Gen VW Amarok and Transporter T7 models are powered by 2.0 Litre engines developed in partnership with Ford - sharing EcoBlue architecture.

## VW



VW Amarok



VW Transporter T7

IMAGE:	PART NUMBER:	DESCRIPTION:
	CS2323FK	Camshaft Kit
	TB2397K/TB2398K	Timing Belt Super Kit
	TB2345K	Timing Belt Kit
	FC2305 / 2307	Timing Cover
	CT2361 / CT2363	Thermostat
	DP2312 / DP2313 DP2316	Crankshaft Pulley
	BK2328	Head Bolt Set
	CP2321 / CP2323	Water Pump
	LP23000 / LP2399	Oil Pump
	CH23083	Head Gasket
	RC23002	Rocker Cover Gasket
	PSP2330 / PSP2328 PSP2366	Power Steering Pump
	CO2313	Oil Cooler



# 2.0 ECOBLUE CAM CARRIER



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TECHNICAL SPECIFICATIONS:

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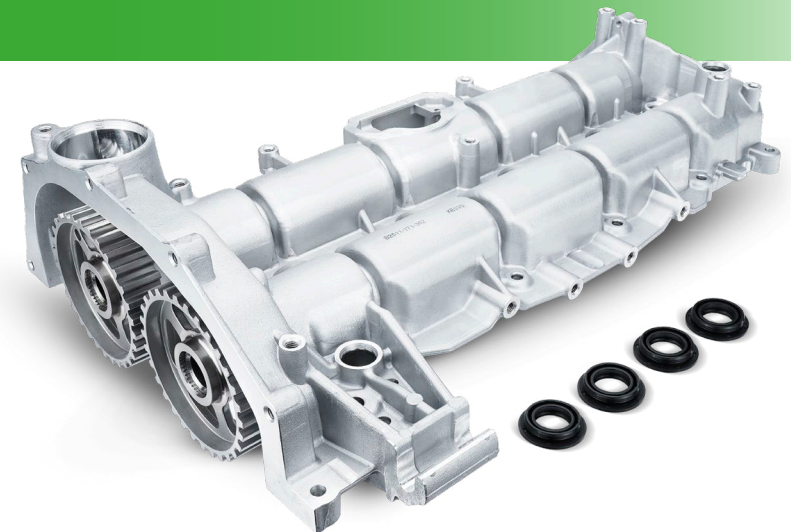


## 2.0 ECOBLUE CAM CARRIER FAILURES:

- ✗ Factory sealant between the cam carrier and head breaks down, causing oil leaks.
- ✗ Worn camshafts and sprockets cause timing noise and correlation faults.
- ✗ Aluminium carrier can warp under heat and load.

## SOLUTION - BGA COMPLETE CAM CARRIER ASSEMBLY:

- ✓ Includes new camshafts, sprockets and seals for a full top end refresh.
- ✓ Precision machined carrier ensures perfect cam alignment.
- ✓ Highest standards of casting resisting heat distortion and long term stress.
- ✓ OE-level sealing surfaces eliminate repeat oil leaks.
- ✓ Restores oil pressure, timing accuracy and long term engine reliability.





# ECOBLUE SUPER KITS



**SPECIALLY DEVELOPED FOR THE ECOBLUE 2.0 ENGINE**  
FITS ON THE POPULAR FORD TRANSIT, TOURNEO AND RANGER

### WHY IT MATTERS:

The **2.0 EcoBlue** engine is smartly engineered with an **in-oil "wet belt" system** – reducing noise and shielding against external contaminants. However, skipping maintenance can lead to serious engine damage.

### COMMON FAILURES:

- Timing misalignment
- Oil starvation
- Valve-to-piston contact
- Dashboard warning lights
- Total engine breakdown

### WHY BGA?

- Thoroughly tested vs. the OE alternative
- Manufactured to meet or surpass OEM
- Comprehensive 3-year Warranty

THE POPULAR  
**FORD TRANSIT**  
2.0 ECOBLUE 2015-2023 DIESEL



### TWO NEW ECOBLUE UPGRADE KITS:

#### TB2397K

KIT 1 CONTENTS:

<b>TB2345K</b>	-	TIMING BELT KIT
<b>FC2305</b>	OE 2005433	TIMING CASE
<b>LP23000</b>	OE 2213638	OIL PUMP
<b>SP2345</b>	OE 2011593	SUMP PAN KIT
<b>CP2321</b>	OE 2254215	WATER PUMP

APPLICATIONS (VEHICLES UP TO 2017)

**TOURNEO CUSTOM V362 Bus (F3)**  
CODE: BJFA; BJFB; YLF6; YLFA; YLFB; YLFS

**TRANSIT V363 Bus (FAD, FBD)**  
CODE: BLFA; BLFB; YNF6; YNFA; YNFB; YNFS

**TRANSIT CUSTOM V362 Van (FY, FZ)**  
CODE: BLFA; BLFB; YNF6; YNFA; YNFB; YNFS

#### TB2398K

KIT 2 CONTENTS:

<b>TB2345K</b>	-	TIMING BELT KIT
<b>FC2307</b>	OE 2301157	TIMING CASE
<b>LP23000</b>	OE 2213638	OIL PUMP
<b>SP2345</b>	OE 2011593	SUMP PAN KIT
<b>CP2321</b>	OE 2254215	WATER PUMP

APPLICATIONS (VEHICLES FROM 2017 TO 2019)

**TRANSIT V363 Platform/Chassis (FED, FFD)**  
CODE: BLFA; BLFB; YNF6; YNFA; YNFB; YNFS

**TRANSIT V363 Van (FCD, FDD)**  
CODE: BKRA; YMR6; YMRA

**RANGER (TKE)**  
CODE: T20DD0J; YN2X





# INSTALLATION ADVICE

BGA's full suite of technical bulletins and installation guidance for 2.0 EcoBlue applications, reinforcing our commitment to engineered solutions, dependable products and added value for your customer base.

**CS2323FK**

**VALVE TRAIN**  
The process of adding new components

**THE REASON**  
The timing or position of a valve is essential for the combustion of an engine. Improperly timed or positioned valves can lead to poor engine performance, increased emissions and engine damage.

**THE SOLUTION**  
If the engine has been overhauled, timing must be set to the correct specification. When replacing valves, ensure the correct valve is fitted to the correct location and that the correct valve is used.

**THE PROCEDURE**  
1. Check the engine oil level. 2. Check the timing belt is set to the correct specification. 3. Check the valve timing is set to the correct specification. 4. Check the valve clearance is set to the correct specification. 5. Check the valve lift is set to the correct specification. 6. Check the valve lash is set to the correct specification. 7. Check the valve timing is set to the correct specification. 8. Check the valve clearance is set to the correct specification. 9. Check the valve lift is set to the correct specification. 10. Check the valve lash is set to the correct specification.

**IMPORTANT**  
All valves must be checked and adjusted to the correct specification.

**CH23083**

**GASKET INSTALLATION**  
General advice

**THE REASON**  
The Gasket is used to seal the combustion chamber from the cooling system. If the gasket is not installed correctly, it can lead to coolant leaks and engine damage.

**THE SOLUTION**  
The Gasket must be installed correctly to ensure a proper seal. The Gasket must be checked for damage and replaced if necessary.

**THE PROCEDURE**  
1. Check the Gasket is the correct type for the engine. 2. Check the Gasket is not damaged. 3. Check the Gasket is clean. 4. Check the Gasket is dry. 5. Check the Gasket is installed correctly. 6. Check the Gasket is tightened correctly. 7. Check the Gasket is checked for leaks. 8. Check the Gasket is replaced if necessary.

**BK2328**

**STRETCH BOLT REPLACEMENT**  
General advice

**THE REASON**  
Stretch bolts are used to secure the engine head and are designed to stretch to a specific length. If the stretch bolts are not replaced correctly, it can lead to engine damage.

**THE SOLUTION**  
The stretch bolts must be replaced correctly to ensure a proper seal. The stretch bolts must be checked for damage and replaced if necessary.

**THE PROCEDURE**  
1. Check the stretch bolts are the correct type for the engine. 2. Check the stretch bolts are not damaged. 3. Check the stretch bolts are clean. 4. Check the stretch bolts are dry. 5. Check the stretch bolts are installed correctly. 6. Check the stretch bolts are tightened correctly. 7. Check the stretch bolts are checked for leaks. 8. Check the stretch bolts are replaced if necessary.

# PROVEN LOWER WARRANTY CLAIM RATES

**PSP2330/PSP2328/PSP2366**

**KNOW YOUR FLUID**  
Power Steering Pump Oil

**THE REASON**  
The Power Steering Pump Oil is used to lubricate the power steering pump. If the oil is not the correct type, it can lead to pump failure and engine damage.

**THE SOLUTION**  
The Power Steering Pump Oil must be the correct type for the engine. The Power Steering Pump Oil must be checked for damage and replaced if necessary.

**THE PROCEDURE**  
1. Check the Power Steering Pump Oil is the correct type for the engine. 2. Check the Power Steering Pump Oil is not damaged. 3. Check the Power Steering Pump Oil is clean. 4. Check the Power Steering Pump Oil is dry. 5. Check the Power Steering Pump Oil is installed correctly. 6. Check the Power Steering Pump Oil is tightened correctly. 7. Check the Power Steering Pump Oil is checked for leaks. 8. Check the Power Steering Pump Oil is replaced if necessary.