

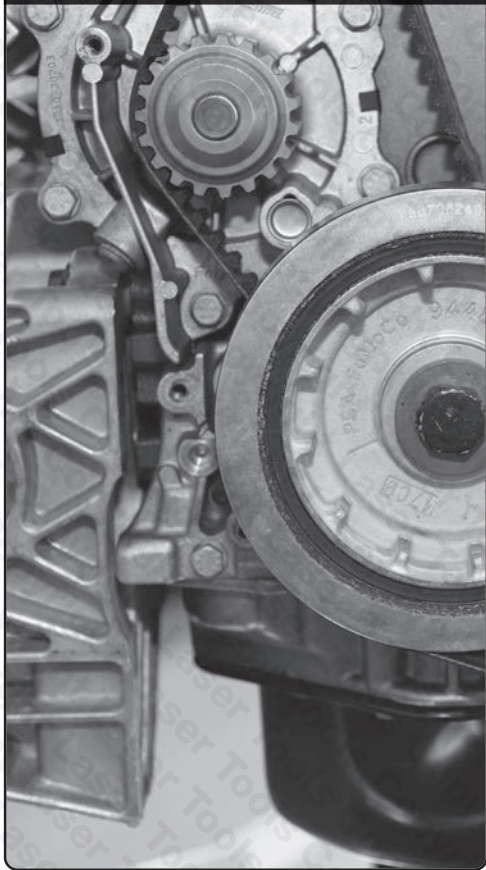
# LASER®

## Instructions



### Timing Tools

Pin Set - for Ford TDCi Diesel, PSA



A set of 4 pins designed to be used to lock the crankshaft, camshaft and high pressure fuel pump pulleys on the Ford 1.4 and 1.6L TDCi diesel engines found across the Ford range from 2002.

- For 1.4/1.6 TDCi Ford chain engines with codes G8DA, G8DB, HHDA (from 2004).
- Supplementary kit for use on specific engines.
- For complete list of tools required go to [www.lasertools.co.uk/toolpoint](http://www.lasertools.co.uk/toolpoint).
- OEM Ref: 303-734/21-162, 303-732/21-260 (2), 303-735/21-263.
- Also suitable for other marques.

## Applications

Make, Model, Year		
Ford	B-MAX	2012 - 2018
	C-MAX/ Grand C-MAX	2011 - on
	EcoSport	2013 - on
	Fiesta	2002 - 2018
	Focus C-MAX/ C-MAX	2003 - 2010
	Focus	2004 - on
	Fusion	2002 - 2011
	Galaxy	2011 - 2015
	Kuga	2016 - on
	Mondeo	2011 - 2018
Citroën	S-MAX	2011 - 2015
	Transit Courier	2014 - on
	Transit Connect	2014 - on
	Xsara II	2002 - 2004
	Xsara Picasso	2002 - 2010
	Berlingo	2005 - on
	Dispatch/Jumpy III, IV	2007 - on
	Nemo	2008 - 2010
	C1	2005 - 2010
	C2	2003 - 2010
DS	C3	2002 - on
	C3 Aircross	2017 - on
	C4	2004 - 2018
	C4 Picasso	2006 - 2018
	C4 Aircross	2012 - 2017
	C4 Cactus	2014 - on
	C4 SpaceTourer	2018 - on
	C5	2004 - 2015
	C5 Aircross	2018 - on
	C-Elysee	2012 - on
Peugeot	DS3	2009 - 2015
	DS4	2011 - 2015
	DS5	2012 - 2015
	3	2015 - 2018
	4	2015 - 2018
	4 Crossback	2015 - 2018
	5	2015 - 2018
	107	2005 - 2010
	1007	2005 - 2010
	206	2001 - 2013
Vauxhall	207	2006 - 2015
	208	2012 - 2019
	301	2012 - on
	307	2001 - 2008
	308	2007 - on
	308 CC	2009 - 2015
	407	2004 - 2011
	508	2011 - on
	2008	2013 - 2020
	3008	2009 - on
Renault	4008	2012 - 2017
	5008	2010 - on
	Bipper	2008 - 2010
	Expert	2007 - on
	Partner	2005 - on
	Rifter	2018 - on
	Traveller	2016 - on

Always refer to the website for most up to date applications:  
**[www.lasertools.co.uk/product/4145](http://www.lasertools.co.uk/product/4145)**

## Applications

Engine Codes	
1.4 TDCi	F6J4, F6J8, F6JC, F6JD
1.4 HDi 8V	DV4TED, DV4TD, DV4TED4, DV4C
1.4 HDi 16V	DV4TD
1.5 TDCi / EConetic	AEDA, ENUG, UGCA, UGCB, UGCC, UGJC, UGJE, XUCA, XUCC, XUCD, XUGA, XUJA, XUJB, XUJF, XUJG, XUJH, XVCA, XVCB, XVCJ, XVCJ, XVGB, XVGC, XVJA, XVJB, XVJC, XVJD, XWCA, XWCB, XWDA, XWDB, XWDC, XWDD, XWDE, XWDG, XWGA, XWGB, XWJB, XWMA, XWMB, XWMC, XWMD, XWME, XXCA, XXCC, XXDA, XXDB, XXDC, XXDD, XXDE, XXGA
1.5 BlueHDI	DV5RUCD, DV5RUC, DV5RE, DV5RC, DV5RCD, DV5RD
1.5 EcoBlue TDCi	BEGA, Z2DA, Z2GA, Z2JA, ZTDA, ZTGA, ZTJA, ZTJB, ZTJC
1.6 TDCi / EConetic	G8DA, G8DB, G8DC, G8DD, G8DE, G8DF, GPDA, GPDB, GPDC, HHDA, HHDB, HHJA, HHJB, HHJC, HHJD, HHJE, HHJF, KVJA, MTDA, NGCA, NGDA, NGDB, T1BA, T1BB, T1BC, T1DA, T1DB, T1GA, T1WA, T1WB, T3CA, T3CB, T3CC, T3DA, T3DB, T3JA, T3JB, T3GA, T3GB, T3JA, T3JB, U3CA, UBGA, UBJA
1.6 HDi 16V	DV6TED4BU, DV6TED4, DV6TED4B, DV6BTED4, DV6BUTED4, DV6UTED4, DV6ATED4, DV6AUTED4
1.6 HDi 8V Turbo	DV6UC, DV6C, DV6CM, DV6DU, DV6TED, DV6TED, DV6CTED, DV6UC, DV6D
1.6 BlueHDI	DV6FE, DV6FD, DV6FC, DV6FUD, DV6FCU

### Instructions

### Preparation

Dependent on make and model it may be necessary to remove the following to gain access:

- Drain coolant and remove expansion bottle
- Move the brake fluid reservoir (do not disconnect hoses)
- Remove wiper arms
- Remove Plenum chamber
- Remove engine wiring harness from cam cover
- Remove auxiliary drive belt

**Component A**

Use A to lock camshaft pulley in its timed position.

**Component B (x2)**

Use one of B to lock the crankshaft when the crankshaft is aligned via the pulley end of the crankshaft (pulley removed) and the other to hold the highpressure pump pulley in alignment.

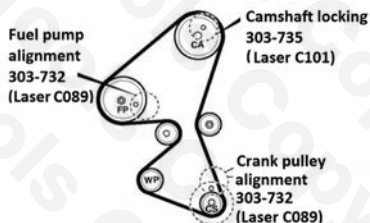
Fit the new belt and tension. Use one of B to check the high pressure pump and the alignment of the crankshaft.

Note: once the belt is fitted it is advised that the crankshaft is turned 10 turns clockwise and alignment of the camshaft and crankshaft checked prior to fitting the front pulley.

### Component C

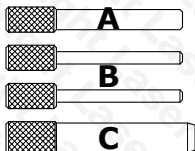
Fit component C into the back of the flywheel from underneath the car to lock the flywheel in position.

Please refer to diagram.



### Crankshaft alignment 303-734 (Laser C057)

## Components



Ref.	Code	OEM Ref	Description
A	C101	21-263 303-735	Camshaft/Sprocket Locking Tool
B	C089	21-260 303-732	Camshaft/Fuel Pump Alignment Tool x2
C	C057	21-262 303-734	Flywheel Locking Pin



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[www.lasertools.co.uk](http://www.lasertools.co.uk)



Distributed by The Tool Connection Ltd  
Kinston Road, Southam, Warwickshire CV47 0DR  
T +44 (0) 1926 815000 F +44 (0) 1926 815898  
info@toolconnection.co.uk [www.toolconnection.co.uk](http://www.toolconnection.co.uk)

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