



# Kit content evolution

Technical Bulletin - June 2012



CITROEN, FIAT, FORD, LANCIA, LAND ROVER, PEUGEOT, VOLVO



## KIT CONTENT EVOLUTION

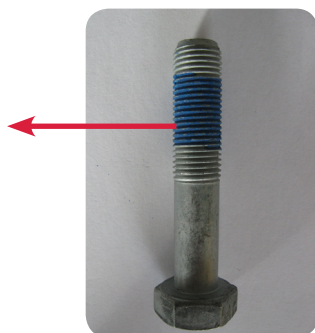
Car maker	Main Model	Engine	Bolt OE #
CITROEN PEUGEOT	Berlingo, C4, C5, C6, C8, Evasion, Jumper, Xsara Picasso, 206, 306, 307, 308, Boxer	1.8, 2.0 16 V, 2.0 HDi, 2.2 HDi	0515.60 0516.A4
FIAT/LANCIA	Ducato, Scudo, Ulysse, Phedra, Zeta	2.0, 2.0 JTD, 2.2 JTD	9634848980
FORD	C-Max, Focus C-Max/II, Mondeo IV, S-Max	2.0 TDCi, 2.2 TDCi	1250298
LAND ROVER	Freelander	2.2 TD4	LR000645
VOLVO	C30, C70 II, S40, S80, V70	2.0 D	30725216

For detailed applications, please refer to the latest SKF catalogue.

SKF strongly recommends changing the crankshaft bolt during the timing system repair. As on the above vehicles, the tightening torque of this bolt also requires a final angular torque setting. That's why SKF has added the crankshaft bolt to the following timing belt kits:

VKMA kits		VKMC kits	
VKMA 02023	VKMA 03252	VKMC 02023	VKMC 03257
VKMA 03235	VKMA 03257	VKMC 03246	VKMC 03264
VKMA 03246	VKMA 03264	VKMC 03247	
VKMA 03247	VKMA 03305	VKMC 03252	

Pre-applied thread lock



### Fitting tips:

Always change the crankshaft bolt during the timing system repair!

Clean the threads of the bolt hole in the crankshaft casing using a tap (M14x150). Tightening torques depend on the application  
 → Please refer to page 2, 3, 4, 5, 6

The crankshaft bolt is sold as a loose component by spares counters of franchised car dealers – it is included in the SKF kits above!



Model	Engine code	Start date	End date	Crankshaft bolt tightening torque
<b>Citroën</b>				
<b>Berlingo</b>				
2.0 HDI 90	DW10TD	1999-12-01	2005-10-31	40Nm + 51°
<b>C4</b>				
2.0 16V	EW10J4	2004-11-01		40Nm + 53°
2.0 HDi	DW10ATED, DW10BTED4	2008-07-01		70Nm + 60°
<b>C4 Picasso, C4 Grand Picasso</b>				
2.0 HDi	DW10BTED4	2007-02-01		70Nm + 60°
<b>C5I</b>				
1.8 16V	EW7J4	2001-03-01	2004-08-31	40Nm + 53°
2.0 16V	EW10J4	2001-03-01	2004-08-31	40Nm + 53°
2.0 HDi 90 / 110	DW10TD, DW10ATED	2001-03-01	2004-08-31	70Nm + 60°
2.2 HDi 133	DW12TED4	2001-03-01	2004-08-31	40Nm + 51°
<b>C5II</b>				
1.8 16V	EW7J4	2004-09-01		40Nm + 53°
2.0 HDi	DW10BTED4	2004-09-01		70Nm + 60°
2.2 HDi	DW12BTED4	2006-04-01		70Nm + 82°
<b>C5III</b>				
2.0 HDi	DW10BTED4	2008-02-01		70Nm + 62°
2.2 HDi	DW12BTED4	2008-02-01		70Nm + 62°
<b>C6</b>				
2.2 HDi	DW12BTED4	2006-06-01		70Nm + 82°
<b>C8</b>				
2.0	EW10J4	2002-07-01		40Nm + 53°
2.2	EW12J4	2002-07-01		40Nm + 53°
2.0 HDi	DW10BTED4, DW10UTED4	2006-03-01		70Nm + 60°
2.2 HDi	DW12BTED4	2006-06-01		70Nm + 82°
2.2 HDi	DW12TED4	2002-07-01		70Nm + 60°
<b>C-Crosser</b>				
2.2 HDi	DW12MTED4	2007-02-01		70Nm + 82°
<b>Evasion</b>				
2.0 16V	EW10J4	2000-05-01	2002-07-31	40Nm + 53°
2.0 HDI	DW10ATED	1999-08-01	2002-07-31	70Nm + 62°
<b>Jumper I</b>				
2.0 HDI	DW10TD	2001-11-01	2002-04-30	50Nm + 62°

\* OE source



Model	Engine code	Start date	End date	Crankshaft bolt tightening torque
<b>Citroën</b>				
<b>Jumper II</b>				
2.0 HDi	DW10TD	2002-04-01		50Nm + 62°
<b>Jumpy I</b>				
2.0 i 16V	EW10J4	2000-03-01		70Nm + 53°
2.0 Hdi	DW10ATED, DW10BTED	2000-03-01		70Nm + 62°
<b>Jumpy III</b>				
2.0 HDi 120, 140	DW10UTED4, DW10BTED4	2007-01-01		70Nm + 62°
<b>Xantia II</b>				
2.0 HDI 90, 110	DW10ATED, DW10TD	1999-02-01	2003-04-30	40Nm + 51°
<b>Xsara</b>				
2.0 16V	EW10J4	2000-09-01	2005-03-31	70Nm + 53°
2.0 HDI 90, 110	DW10TD	1999-02-01	2005-03-31	70Nm + 60°
<b>Xsara Picasso</b>				
1.8 16V	EW7J4	2000-02-01		70Nm + 53°
2.0 16V	EW10J4	2003-01-01		70Nm + 53°
2.0 HDi	DW10TD	1999-12-01		70Nm + 60°
<b>FIAT</b>				
<b>Ducato (230L)</b>				
2.0 JTD	RHV (DW10)	2001-10-01	2002-04-30	50Nm + 62°
<b>Ducato (244)</b>				
2.0 JTD	RHV (DW10)	2002-04-01		50Nm + 62°
<b>Sucdo (220L)</b>				
2.0	RFN	2000-05-01		70Nm + 53°
2.0 JTD	RHX, RHZ	1999-12-01	2009-04-16	70Nm + 62°
<b>Sucdo (270)</b>				
2.0 D Multijet	RHK, RHR	2007-01-01		70Nm + 62°
<b>Ulysse (179AX)</b>				
2.0	RFN(EW10J4)	2002-08-01		70Nm + 53°
2.0 D Multijet	RHK, RHR	2006-05-01		70Nm + 60°
2.2 JTD	4HW(DW12ATED4)	2002-08-01	2004-04-05	70Nm + 60°
<b>Ulysse (220)</b>				
2.0 JTD	RHZ	1999-10-01	2000-04-16	70Nm + 62°
2.0 16V	RFN	2000-09-01	2002-08-31	70Nm + 62°

\* OE source



Model	Engine code	Start date	End date	Crankshaft bolt tightening torque
FORD				
C-Max				
2.0 TDCi	Duratorq	2007-02-01		70Nm + 60°
Focus C-Max				
2.0 TDCi	Duratorq	2003-10-01	2007-03-31	70Nm + 60°
Focus II				
2.0 TDCi	Duratorq	2004-11-01		70Nm + 60°
Galaxy				
2.0 TDCi	Duratorq	2006-05-01		70Nm + 60°
2.2 TDCi	Duratorq	2008-03-01		70Nm + 82°
Kuga				
2.0 TDCi	Duratorq	2008-03-01		70Nm + 60°
Mondeo IV				
2.0 TDCi	Duratorq	2007-03-01		70Nm + 60°
2.2 TDCi	Duratorq	2008-03-01		70Nm + 82°
S-Max				
2.0 TDCi	Duratorq	2006-05-01		70Nm + 60°
2.2 TDCi	Duratorq	2008-03-01		70Nm + 82°
LANCIA				
Phedra				
2.0 16V	RFN	2002-09-01		40Nm + 53°
2.0 JTD 120 / 136	RHK, RHR	2006-06-01		70Nm + 60°
2.2 JTD	4HW(DW12ATED4)	2002-09-01	2004-04-15	70Nm + 60°
Zeta (220)				
2.0 JTD	RHZ	2000-04-01	2000-04-16	70Nm + 62°
2.0 16V (220AQ5)	RFN	2000-07-01	2002-09-30	70Nm + 62°
LAND ROVER				
Freelander 2				
2.2 TD4	Duratorq	2006-10-01		70Nm + 82°
PEUGEOT				
206				
2.0 HDI 90	DW10TD	1999-12-01		70Nm + 60°
2.0 S16	EW10J4	1999-04-01	2009-09-31	40Nm + 53°
306				
2.0 HDI 90	DW10TD	1999-06-01	2001-05-31	40Nm + 51°

\* OE source



Model	Engine code	Start date	End date	Crankshaft bolt tightening torque
PEUGEOT				
307				
2.0 16V	EW10J4	2000-08-01		40Nm + 53°
2.0 HDi 90, 110	DW10TD, DW10ATED	2000-08-01		70Nm + 60°
2.0 HDi 136	DW10BTED4	2003-10-01		70Nm + 60°
308				
2.0 HDi	DW10BTED4	2007-09-01		70Nm + 60°
406				
1.8 16V	EW7J4	2000-10-01	2004-05-31	40Nm + 53°
2.0 16V	EW10J4	1999-01-01	2000-08-31	40Nm + 53°
2.2 16V	EW12J4	2000-07-01	2004-05-31	40Nm + 53°
2.0 HDi 90, 110	DW10TD, DW10ATED	1998-06-01	2001-08-31	70Nm + 60°
2.2 HDi	DW12TED4	2000-03-01	2004-05-31	70Nm + 60°
407				
1.8 16V	EW7J4	2004-05-01		40Nm + 53°
2.0 16V	EW10J4	2004-05-01		40Nm + 53°
2.2 16V	EW12J4	2004-05-01		40Nm + 53°
2.0 HDi	DW10BTED4	2008-08-01		70Nm + 62°
2.2 HDi 170	DW12BTED4	2006-05-01		70Nm + 82°
4007				
2.2 HDi	DW12MTED4	2007-02-01		70Nm + 82°
607				
2.0 16V	EW10J4	2000-02-01		40Nm + 53°
2.2 16V	EW12J4	2000-02-01		40Nm + 53°
2.0 HDi 110, 136	DW10ATED, DW10BTED4	2000-05-01		70Nm + 62°
2.2 HDi 133	DW12TED4	2000-02-01		40Nm + 51°
2.2 Hdi 170	DW12BTED4	2006-05-01		70Nm + 82°
806				
2.0 16V	EW10J4	2000-09-01	2002-08-31	40Nm + 53°
2.0 HDi	DW10ATED	1999-08-01	2002-08-31	70Nm + 62°

\* OE source



Model	Engine code	Start date	End date	Crankshaft bolt tightening torque
PEUGEOT				
807				
2.0 16V	EW10J4	2002-06-01		40Nm + 53°
2.2 16V	EW12J4	2002-06-01		40Nm + 53°
2.0 HDI	DW10BTED4, DW10UTED4			
2006-06-01		70Nm + 60°		
2.2 Hdi 133	DW12TED4	2002-06-01		70Nm + 60°
2.2 Hdi 170	DW12BTED4	2006-06-01		70Nm + 82°
Boxer I				
2.0 HDI	DW10TD	2001-08-01	2002-04-30	50Nm + 62°
Boxer II				
2.0 HDi	DW10TD	2002-04-01		50Nm + 62°
Expert I				
2.0	EW10J4	2000-07-01		70Nm + 53°
2.0 HDI	DW10ATED, DW10ATED4, DW10BTED	2000-07-01		
		70Nm + 62°		
Expert II / Expert Tepee				
2.0 HDi 120, 140	DW10BTED4, DW10UTED4	2007-01-01		70Nm + 62°
Partner				
2.0 HDi	DW10TD	2000-04-01		40Nm + 51°
VOLVO				
C30				
2.0 D	D 4204 T	2006-10-01		70Nm + 60°
C70 II Convertible				
2.0 D	D 4204 T	2008-01-01		70Nm + 60°
S40 II / V50				
2.0 D	D 4204 T, D4204 T2	2004-01-01		70Nm + 60°
S80 II				
2.0 TDi	D 4204 T	2008-02-01		70Nm + 60°
V70 III Estate				
2.0 D	D 4204 T	2007-10-01		70Nm + 60°

\* OE source

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