



User manual

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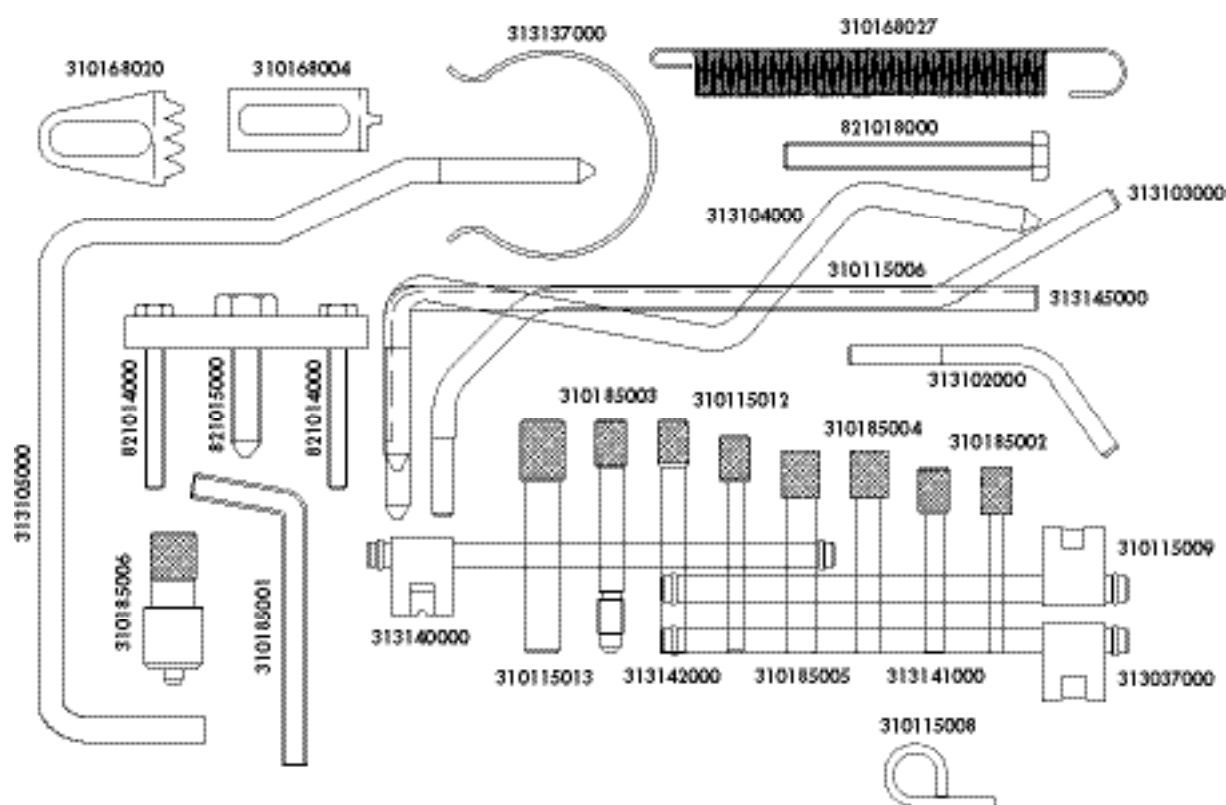
Adattabile per VOLVO, Gruppo PSA,
FIAT e FORD

Adaptable pour VOLVO, Groupe PSA, FIAT et FORD

FR

Suitable for VOLVO, PSA Group, FIAT and FORD

EN



Componenti

313102000	0132Q; 0132QZ; 9767.27; 4507-TA	PERNO BLOCCAGGIO ALBERO MOTORE	
313104000	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	PERNO DI FASATURA VOLANO	
310115013	0194.C	ATTREZZO BLOCCA VOLANO	
313103000	7019-T; 0153U	PERNO DI FASATURA VOLANO	
310115008	4200-TH	PERNO DI BLOCCAGGIO ALBERO CAMME	
313137000	0188-K; 0189K; 132AK; 153AK; 4533-TAD	FERMAGLIO CINGHIA DI DISTRIBUZIONE	
310168004	0134AF; 0134Q; 0188-F; 9004-T; 9044-T	ATTREZZO BLOCCA VOLANO	
313142000	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014-TN; 9766,98	PERNI BLOCCAGGIO ALBERO CAMME/ALBERO MOTORE	

Componenti			
310185005	5711-TB; 178B	PERNO DI FASATURA VOLANO	
310185004	0194B	PERNI BLOCCAGGIO ALBERO CAMME/ ALBERO MOTORE	
313141000	0188-H	PERNO DI BLOCCAGGIO DELLA POMPA D'INIEZIONE	
313105000	0188-D; 7017-TR	PERNO DI FASATURA DEL VOLANO	
310168027 + 313145000	0188-X	MOLLA	
		PERNO DI FASATURA VOLANO	
310115006	0188-Q2	PERNO DI BLOCCAGGIO DEL TENDICINGHIA	
310185006	4507-TL; 0132P	PERNO DI FASATURA VOLANO	
310168020	153A; 6012T; 9765,54; D.86	ATTREZZO BLOCCA VOLANO	
313140000	0188-J1	ATTREZZO DI TENSIONAMENTO	
310115009	0188-J2	ATTREZZO DI TENSIONAMENTO	
313139000 + 821014000 + 821015000	0188-P; 0188-P2; 7015-T; 0174	ESTRATTORE DELLE PULEGGE ALBERO MOTORE	
313037000	0178-E	ATTREZZO DI TENSIONAMENTO	
310185001	4507-TJ; 9767,89; 132-X; 188-Q1	ATTREZZO DI BLOCCAGGIO DEL TENDICINGHIA DELLA CINGHIA ORGANI AUSILIARI	
821018000	0188-E	VITE M8	

Componenti			
310185003	4527-TS2	PERNO DI BLOCCAGGIO ALBERI A CAMME	
310115012	0194-A; 132-AB	ATTREZZO DI BLOCCAGGIO DEL PIGNONE ALBERO A CAMME	
310185002	4527-TS1	PERNO DI FASATURA POMPA INIEZIONE	

PRECAUZIONI SPECIALI - LEGGERE ATTENTAMENTE

- **Utilizzare guanti antinfortunistici, scarpe antinfortunistiche, elmetto e occhiali di protezione**

- **Uso improprio:**

Il prodotto deve essere destinato solo ed esclusivamente all'uso descritto in questa documentazione, ogni altro uso è da considerarsi improprio.

Il produttore declina ogni responsabilità per possibili danni causati da usi errati o irragionevoli dell'attrezzatura;

L'uso improprio invalida inoltre la garanzia.

- **Tenere gli attrezzi con cura:**

Conservare sempre gli attrezzi puliti.

Riporre gli attrezzi all'interno della confezione originale.

- Scollegare il cavo della batteria dal polo negativo di terra (verificare il codice radio se disponibile)
- Rimuovere le candele o le candele per facilitare la rotazione del motore
- Non utilizzare detersivi liquidi su cinghie, pignoni o tensionatori
- Segnare il senso di rotazione della cinghia ausiliaria prima di rimuoverla
- Ruotare il motore in senso orario (antiorario solo se specificato)

- Non ruotare mai l'albero a camme, l'albero motore o la pompa d'iniezione diesel quando la catena è già stata rimossa (a meno che non sia specificato)
- Non utilizzare la catena di distribuzione per bloccare il motore quando si allentano o si stringono i bulloni della puleggia dell'albero motore
- Non ruotare l'albero motore o l'albero a camme quando la cinghia/catena è già stata rimossa
- Prima di rimuovere la catena, segnare la sua direzione
- È sempre consigliato ruotare il motore lentamente manualmente e riverificare il posizionamento dell'albero motore e dell'albero a camme
- Gli alberi a camme e motore possono essere ruotati solamente quando il meccanismo di azionamento della catena/cinghia è completamente installato.
- Non ruotare il motore azionando l'albero a camme o altri ingranaggi
- Verificare la corretta posizione della pompa d'iniezione diesel dopo aver sostituito la catena
- Osservare tutte le coppie di serraggio
- Attenersi sempre al manuale della casa costruttrice o al libretto d'istruzioni fornito
- Una fasatura del motore non precisa o sbagliata comporta il danneggiamento delle valvole

APPLICAZIONE

CITROËN	Xsara, Xsara Picasso, C2, C3, C4, C5, C8, Xantia, Evasion, Evasion Synergie, Berlingo, Dispatch, Dispatch Jumpy, Relay, Relay Jumper	
PEUGEOT	107, 206, 207, 306, 307, 308, 406, 406 Coupe, 407 607, 807, Expert, Partner, Boxer, Ranch	
FIAT	Ulysse, Scudo, Ducato (JTD)	
VOLVO	S40 / V50	1.4D HDi; 1.4 TDCi; 1.5D; 1.6D HDi; 1.6 TDCi; 1.9D; 2.0D HDi; 2.2D HDi; 2.5D Turbo
FORD	Focus, Focus C-Max, Fiesta, Fusion	DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY), DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS), DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU), DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4 (RHW), DW10ATED4/L4 (RHT), DW10BTED (RHX), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED4 (RHL), DW10BTED4 (RHR), DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH), DW10JATED4 (RHM), DW10JATED4 (RHW), DW10TD (RHY), DW10UTD (RHV), DW10UTED4 (RHK), DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT), DW12ATED4/L4 (4HW), DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT), DW12UTED (4HY), DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY), F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE, TUD5/L/Y/L3 (VJZ), TUD5/L3, TUD5/Y/L3 (VJZ), TUD5B (VJX), TUD5B (VJX), VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3), XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ

Codice motore	Codice OEM						
	0132Q; 0132QZ; 9767.27; 4507-TA	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	0194.C	7019-T; 0153U	4200-TH	0188-K; 0189K; 132AK; 153AK; 4533-TAD	0134AF; 0134Q; 0188-F; 9004-T; 9044-T
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			.				
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)	.						
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)			.				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)		.				.	.
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ		.		.			
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED4 (RHL)		.					.
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)		.					.

Codice motore	Codice OEM						
	0132Q; 0132QZ; 9767.27; 4507-TA	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	0194.C	7019-T; 0153U	4200-TH	0188-K; 0189K; 132AK; 153AK; 4533-TAD	0134AF; 0134Q; 0188-F; 9004-T; 9044-T
DW10UTED4 (RHK)		•				•	•
DW10UTD (RHV)		•				•	•
DW10JATED4 (RHM), DW10JATED4 (RHW)		•				•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)						•	•
DW12ATED4/L4 (4HW)		•				•	•
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)							•
DW12UTED (4HY)		•				•	•
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)		•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)	•						
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8B/L4 (WJY)		•				•	
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)		•					•
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)						•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)		•					•
DW10ATED4 (RHW)						•	•
DW10CTED4 (RHE), DW10CTED4 (RHH)		•					•
DW10UTD (RHV)						•	•
DW12UTED (4HY)		•				•	•
DJ5TED (THX)		•					
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE			•				

Codice motore	Codice OEM						
	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014-TN; 9766,98	5711-TB; 178B	0194B	0188-H	0188-D; 7017-TR	/	0188-X
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)				•	•		
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED4 (RHX), DW10BTED4 (RHL)	•						

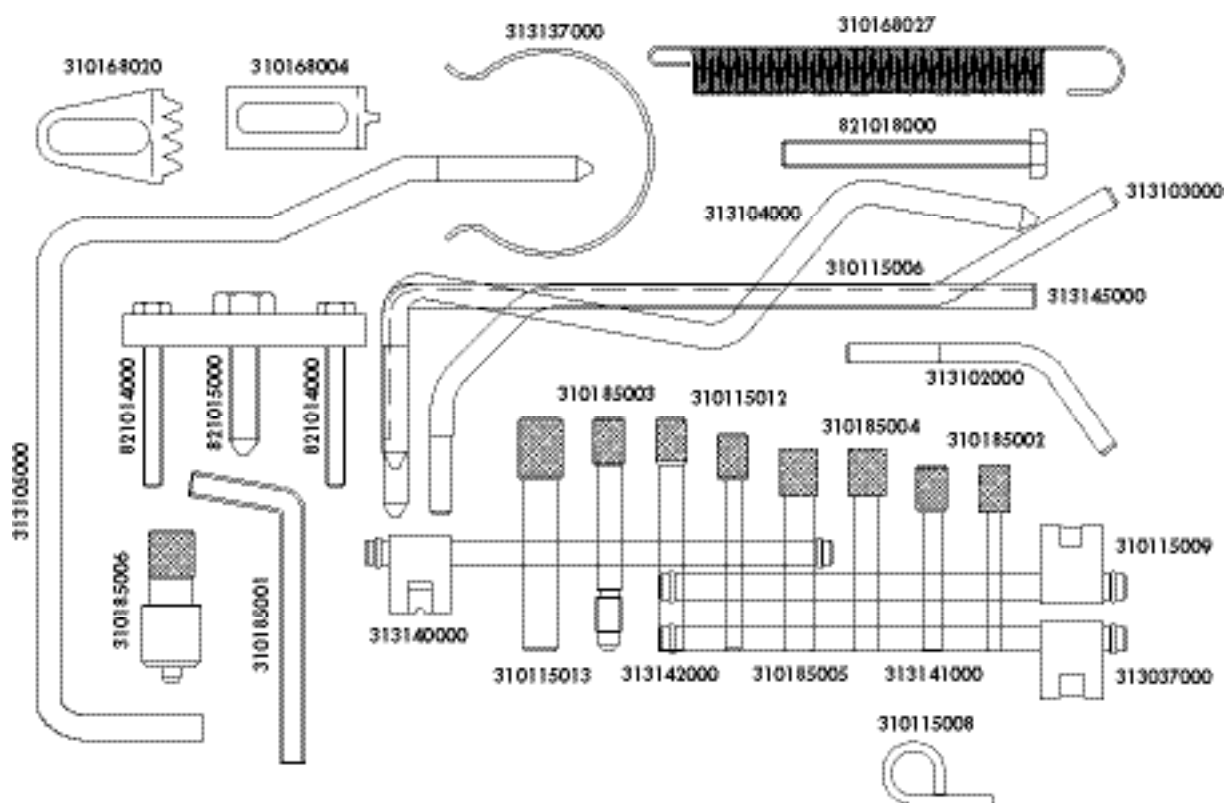
Codice motore	Codice OEM						
	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014- TN; 9766,98	5711-TB; 178B	0194B	0188-H	0188-D; 7017-TR	/	0188-X
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)	•						
DW10UTED4 (RHK)	•						
DW10UTD (RHV)	•						
DW10JATED4 (RHM), DW10JATED4 (RHW)	•					•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)	•					•	•
DW12ATED4/L4 (4HW)	•					•	•
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)	•					•	•
DW12UTED (4HY)	•						
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)		•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8B/L4 (WJY)				•	•		
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)	•						
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)	•					•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)	•						
DW10ATED4 (RHW)	•						
DW10CTED4 (RHE), DW10CTED4 (RHH)	•						
DW10UTD (RHV)	•						
DW12UTED (4HY)	•						
DJ5TED (THX)		•					
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE	•						

Codice motore	Codice OEM					
	0188-Q2	4507-TL; 0132P	153A; 6012T; 9765,54; D.86	0188-J1	0188-J2	0188-P; 0188-P2; 7015-T; 0174
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)		•				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)				•		
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/ L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ			•			

Codice motore	Codice OEM					
	0188-Q2	4507-TL; 0132P	153A; 6012T; 9765,54; D.86	0188-J1	0188-J2	0188-P; 0188-P2; 7015-T; 0174
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED(RHX), DW10BTED4 (RHL)					•	•
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)	•					
DW10UTED4 (RHK)						•
DW10UTD (RHV)					•	•
DW10JATED4 (RHM), DW10JATED4 (RHW)					•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)					•	
DW12ATED4/L4 (4HW)					•	•
DW12UTED (4HY)					•	•
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)		•				
DW8B/L4 (WJY)	•			•		
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)	•				•	•
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)					•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)						•
DW10ATED4 (RHW)					•	•
DW10CTED4 (RHE), DW10CTED4 (RHH)						•
DW10UTD (RHV)					•	•
DW12UTED (4HY)					•	•

Codice motore	Codice OEM					
	0178-E	4507-TJ; 9767,89; 132-X; 188-Q1	0188-E	0194-A; 132-AB	4527-TS2	4527-TS1
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)				•		
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)		•		•	•	•
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)				•		
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)			•			
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/ L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ			•			
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)		•				

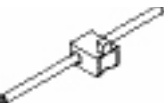
Codice motore	Codice OEM					
	0178-E	4507-TJ; 9767,89; 132-X; 188-Q1	0188-E	0194-A; 132-AB	4527-TS2	4527-TS1
DW10UTED4 (RHK)		•				
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)		•				
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)	•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)				•		
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)		•		•	•	•
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)				•		
DW8B/L4 (WJY)			•			
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)		•				
DW10BTED4 (RHF), DW10BTED4 (RHR)		•				
DW10CTED4 (RHE), DW10CTED4 (RHH)		•				
DJ5TED (THX)		•				
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE				•		



Composants

313102000	0132Q; 0132QZ; 9767.27; 4507-TA	PIGE DE CALAGE DE L'ARBRE MOTEUR	
313104000	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	PIGE DE CALAGE DU VOLANT MOTEUR	
310115013	0194.C	OUTIL BLOQUE-VOLANT	
313103000	7019-T; 0153U	PIGE DE CALAGE DU VOLANT MOTEUR	
310115008	4200-TH	TENDEUR DE BLOCAGE ARBRES À CAMES	
313137000	0188-K; 0189K; 132AK; 153AK; 4533-TAD	RESSORT COURROIE DE DISTRIBUTION	
310168004	0134AF; 0134Q; 0188-F; 9004-T; 9044-T	OUTIL BLOQUE-VOLANT	
313142000	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014-TN; 9766,98	PIVOTS POUR LE BLOCAGE ARBRE À CAMES/ ARBRE MOTEUR	

Composants

310185005	5711-TB; 178B	PIGE DE CALAGE DU VOLANT MOTEUR	
310185004	0194B	PIVOTS POUR LE BLOCAGE ARBRE À CAMES/ ARBRE MOTEUR	
313141000	0188-H	PIGE DE CALAGE DE LA POMPE D'INJECTION	
313105000	0188-D; 7017-TR	PIGE DE CALAGE DU VOLANT MOTEUR	
310168027 + 313145000	0188-X	RESSORT	
		PIGE DE CALAGE DU VOLANT MOTEUR	
310115006	0188-Q2	PIVOT DE BLOCAGE DU TENDEUR	
310185006	4507-TL; 0132P	PIGE DE CALAGE DU VOLANT MOTEUR	
310168020	153A; 6012T; 9765,54; D.86	OUTIL BLOQUE-VOLANT	
313140000	0188-J1	OUTIL TENSIONNEUR DE COURROIE ARBRES À CAMES	
310115009	0188-J2	OUTIL TENSIONNEUR DE COURROIE ARBRES À CAMES	
313139000 + 821014000 + 821015000	0188-P; 0188-P2; 7015-T; 0174	EXTRACTEUR POULIE VILEBREQUIN	
313037000	0178-E	OUTIL TENDEUR	
310185001	4507-TJ; 9767,89; 132-X; 188-Q1	OUTIL DE BLOCAGE DU GALET TENDEUR DE LA COURROIE D'ACCESSOIRES	
821018000	0188-E	VIS M8	

Composants			
310185003	4527-TS2	PIVOT DE BLOCAGE ARBRES À CAMES	
310115012	0194-A; 132-AB	OUTIL DE BLOCAGE DE PIGNON D'ARBRE À CAMES	
310185002	4527-TS1	PIGE DE CALAGE DE POMPE D'INJECTION	

PRÉCAUTIONS SPÉCIALES - LIRE ATTENTIVEMENT

- **Utiliser des gants anti-accident, des chaussures anti-accident, un casque de protection et des lunettes de protection**

- **Usage impropre:**

Le produit ne doit être utilisé que pour l'usage prévu dans la présente documentation. Tout autre usage doit être considéré comme impropre.

Le producteur décline toute responsabilité pour tout dommage découlant d'usages erronés ou irraisonnables de l'équipement.

L'usage impropre annule la garantie.

- **Prendre bien soin des outils:**

Toujours garder les outils bien propres.

Ranger les outils dans leur emballage d'origine.

- Débrancher le câble de la batterie du pôle négatif de terre (vérifier le code radio si disponible)
- Enlever les bougies afin de faciliter la rotation du moteur
- Ne pas utiliser de détergents liquides sur les courroies, les pignons et les tensionneurs
- Indiquer le sens de rotation de la courroie auxiliaire avant de l'enlever
- Faire tourner le moteur dans le sens des aiguilles d'une

montre (contraire seulement si spécifié)

- Ne jamais faire tourner l'arbre à cames, l'arbre moteur ou la pompe d'injection diesel lorsque la chaîne a déjà été enlevé (à moins que ce soit spécifié)
- Ne pas utiliser la chaîne de distribution pour bloquer le moteur quand les boulons de la poulie de l'arbre moteur se serrent ou se desserrent
- Ne pas faire tourner l'arbre moteur ou l'arbre à came lorsque la courroie/chaîne a déjà été enlevée
- Avant d'enlever la chaîne, indiquer sa direction
- Il est toujours conseillé de faire tourner lentement le moteur de façon manuelle et de vérifier le positionnement de l'arbre moteur et de l'arbre à cames.
- Les arbres à cames et moteur peuvent être tournée seulement lorsque le mécanisme d'actionnement de la chaîne/courroie est complètement installé.
- Ne pas faire tourner le moteur en actionnant l'arbre à cames ou d'autres engrenages
- Vérifier la position correcte de la pompe d'injection diesel après avoir remplacé la chaîne
- Observer tous les couples de serrage
- Toujours se reporter au manuel de maison constructrice ou au mode d'emploi fourni
- Une synchronisation du moteur imprécise ou raté entraîne l'endommagement des vannes

APPLICATION

CITROËN	Xsara, Xsara Picasso, C2, C3, C4, C5, C8, Xantia, Evasion, Evasion Synergie, Berlingo, Dispatch, Dispatch Jumpy, Relay, Relay Jumper	
PEUGEOT	107, 206, 207, 306, 307, 308, 406, 406 Coupe, 407 607, 807, Expert, Partner, Boxer, Ranch	
FIAT	Ulysse, Scudo, Ducato (JTD)	
VOLVO	S40 / V50	1.4D HDi; 1.4 TDCi; 1.5D; 1.6D HDi; 1.6 TDCi; 1.9D; 2.0D HDi; 2.2D HDi; 2.5D Turbo
FORD	Focus, Focus C-Max, Fiesta, Fusion	DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY), DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS), DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU), DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4 (RHW), DW10ATED4/L4 (RHT), DW10BTED (RHX), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED4 (RHL), DW10BTED4 (RHR), DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH), DW10JATED4 (RHM), DW10JATED4 (RHW), DW10TD (RHY), DW10UTD (RHV), DW10UTED4 (RHK), DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT), DW12ATED4/L4 (4HW), DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT), DW12UTED (4HY), DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY), F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE, TUD5/L/Y/L3 (VJZ), TUD5/L3, TUD5/Y/L3 (VJZ), TUD5B (VJX), TUD5B (VJX), VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3), XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ

Code moteur	Code OEM						
	0132Q; 0132QZ; 9767.27; 4507-TA	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	0194.C	7019-T; 0153U	4200-TH	0188-K; 0189K; 132AK; 153AK; 4533-TAD	0134AF; 0134Q; 0188-F; 9004-T; 9044-T
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			.				
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)	.						
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)			.				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)		.				.	.
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ		.		.			
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED4 (RHL)		.					.
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)		.					.

Code moteur	Code OEM						
	0132Q; 0132QZ; 9767.27; 4507-TA	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	0194.C	7019-T; 0153U	4200-TH	0188-K; 0189K; 132AK; 153AK; 4533-TAD	0134AF; 0134Q; 0188-F; 9004-T; 9044-T
DW10UTED4 (RHK)		•				•	•
DW10UTD (RHV)		•				•	•
DW10JATED4 (RHM), DW10JATED4 (RHW)		•				•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)						•	•
DW12ATED4/L4 (4HW)		•				•	•
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)							•
DW12UTED (4HY)		•				•	•
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)		•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)	•						
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8B/L4 (WJY)		•				•	
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)		•					•
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)						•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)		•					•
DW10ATED4 (RHW)						•	•
DW10CTED4 (RHE), DW10CTED4 (RHH)		•					•
DW10UTD (RHV)						•	•
DW12UTED (4HY)		•				•	•
DJ5TED (THX)		•					
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE			•				

Code moteur	Code OEM						
	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014-TN; 9766,98	5711-TB; 178B	0194B	0188-H	0188-D; 7017-TR	/	0188-X
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)				•	•		

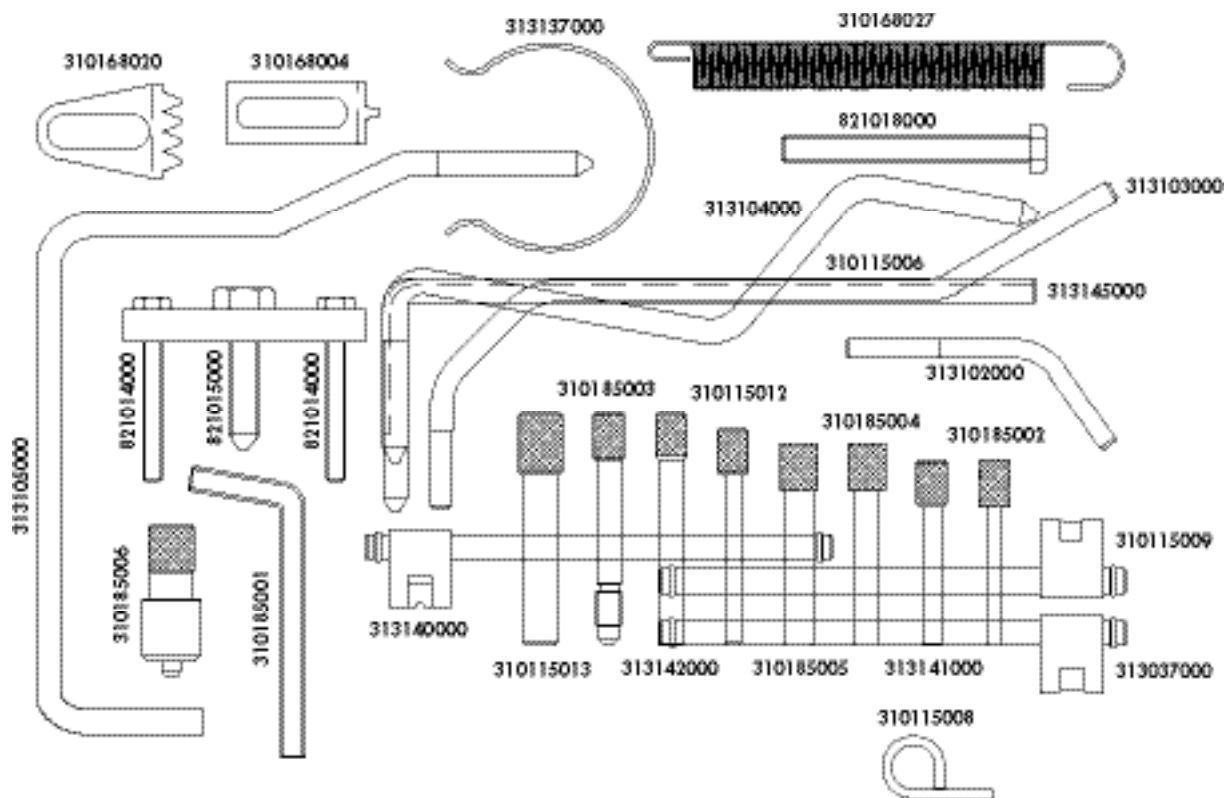
Code moteur	Code OEM						
	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014- TN; 9766,98	5711-TB; 178B	0194B	0188-H	0188-D; 7017-TR	/	0188-X
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED(RHX), DW10BTED4 (RHL)	•						
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)	•						
DW10UTED4 (RHK)	•						
DW10UTD (RHV)	•						
DW10JATED4 (RHM), DW10JATED4 (RHW)	•					•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)	•					•	•
DW12ATED4/L4 (4HW)	•					•	•
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)	•					•	•
DW12UTED (4HY)	•						
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)		•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8B/L4 (WJY)				•	•		
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)	•						
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)	•					•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)	•						
DW10ATED4 (RHW)	•						
DW10CTED4 (RHE), DW10CTED4 (RHH)	•						
DW10UTD (RHV)	•						
DW12UTED (4HY)	•						
DJ5TED (THX)		•					
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE	•						

Code moteur	Code OEM					
	0188-Q2	4507-TL; 0132P	153A; 6012T; 9765,54; D.86	0188-J1	0188-J2	0188-P; 0188-P2; 7015-T; 0174
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)		•				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)				•		
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTf (DHX), XUD9SDZ/Y/ L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ			•			

Code moteur	Code OEM					
	0188-Q2	4507-TL; 0132P	153A; 6012T; 9765,54; D.86	0188-J1	0188-J2	0188-P; 0188-P2; 7015-T; 0174
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED(RHX), DW10BTED4 (RHL)					•	•
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)	•					
DW10UTED4 (RHK)						•
DW10UTD (RHV)					•	•
DW10JATED4 (RHM), DW10JATED4 (RHW)					•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)					•	
DW12ATED4/L4 (4HW)					•	•
DW12UTED (4HY)					•	•
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)		•				
DW8B/L4 (WJY)	•			•		
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)	•				•	•
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)					•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)						•
DW10ATED4 (RHW)					•	•
DW10CTED4 (RHE), DW10CTED4 (RHH)						•
DW10UTD (RHV)					•	•
DW12UTED (4HY)					•	•

Code moteur	Code OEM					
	0178-E	4507-TJ; 9767,89; 132-X; 188-Q1	0188-E	0194-A; 132-AB	4527-TS2	4527-TS1
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)				•		
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)		•		•	•	•
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)				•		
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)			•			
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/ L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ			•			
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)		•				
DW10UTED4 (RHK)		•				

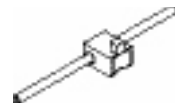
Code moteur	Code OEM					
	0178-E	4507-TJ; 9767,89; 132-X; 188-Q1	0188-E	0194-A; 132-AB	4527-TS2	4527-TS1
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)		•				
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)	•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)				•		
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)		•		•	•	•
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)				•		
DW8B/L4 (WJY)			•			
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)		•				
DW10BTED4 (RHF), DW10BTED4 (RHR)		•				
DW10CTED4 (RHE), DW10CTED4 (RHH)		•				
DJ5TED (THX)		•				
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE				•		



Components

313102000	0132Q; 0132QZ; 9767.27; 4507-TA	CRANKSHAFT/FLYWHEEL PIN	
313104000	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	FLYWHEEL TIMING PIN	
310115013	0194.C	FLYWHEEL LOCKING TOOL	
313103000	7019-T; 0153U	FLYWHEEL TIMING PIN	
310115008	4200-TH	CAM BELT TENSIONER LOCKING PIN	
313137000	0188-K; 0189K; 132AK; 153AK; 4533-TAD	TIMING BELT RETAINING CLIP	
310168004	0134AF; 0134Q; 0188-F; 9004-T; 9044-T	FLYWHEEL LOCKING TOOL	
313142000	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014-TN; 9766,98	CAMSHAFT/CRANKSHAFT TIMING PIN	

Components

310185005	5711-TB; 178B	SETTING PIN	
310185004	0194B	CAMSHAFT/CRANKSHAFT TIMING PIN	
313141000	0188-H	TIMING PUMP LOCKING PIN	
313105000	0188-D; 7017-TR	CRANKED SETTING PIN	
310168027 + 313145000	0188-X	SPRING	
		FLYWHEEL TIMING PIN	
310115006	0188-Q2	TENSIONER LOCKING PIN	
310185006	4507-TL; 0132P	FLYWHEEL TIMING PIN	
310168020	153A; 6012T; 9765,54; D.86	FLYWHEEL LOCKING TOOL	
313140000	0188-J1	CAM BELT TENSIONER TOOL	
310115009	0188-J2	CAM BELT TENSIONER TOOL	
313139000 + 821014000 + 821015000	0188-P; 0188-P2; 7015-T; 0174	CRANKSHAFT PULLEY EXTRACTOR	
313037000	0178-E	TENSIONING LEVER	
310185001	4507-TJ; 9767,89; 132-X; 188-Q1	DRIVE BELT TENTIONER TOOL	
821018000	0188-E	M8 SCREW	

Components			
310185003	4527-TS2	CAMSHAFT LOCKING PIN	
310115012	0194-A; 132-AB	CAMSHAFT SPROCKET LOCKING TOOL	
310185002	4527-TS1	INJECTION PUMP TIMING PIN	

SAFETY PRECAUTIONS - PLEASE READ

- **Use protective work gloves, protective footwear, hard hat and safety goggles**

- **Misuse:**

This product should only be used as described in this documentation; any other use is considered improper. The manufacturer accepts no responsibility for any damage caused by the incorrect or unreasonable use of the equipment; Moreover, misuse shall also void the warranty.

- **Take care of your tools:**

Be sure to store your tools in a clean state. Place the tools inside their original package.

- Disconnect the battery earth leads (check radio code is available)
- Remove spark or glow plugs to make the engine turn easier
- Do not use cleaning fluids on belts, sprockets or rollers
- Always make a note of the route of the auxiliary drive belt before removal
- Turn the engine in the normal direction (clockwise unless stated otherwise)

- Do not turn the camshaft, crankshaft or diesel injection pump once the timing chain has been removed (unless specifically stated)
- Do not use the timing chain to lock the engine when slackening or tightening crankshaft pulley bolts
- Do not turn the crankshaft or camshaft when the timing belt/chain has been removed
- Mark the direction of the chain before removing
- It is always recommended to turn the engine slowly, by hand and to re-check the camshaft and crankshaft timing positions
- Crankshafts and Camshafts may only be turned with the chain drive mechanism fully installed
- Do not turn crankshaft via camshaft or other gears
- Check the diesel injection pump timing after replacing the chain
- Observe all tightening torques
- Always refer to the vehicle manufacturer's service manual or a suitable proprietary instruction book
- Incorrect or out of phase engine timing can result in damage to the valves
- It is always recommended to turn the engine slowly, by hand, and to re-check the camshaft and crankshaft timing positions

APPLICATION

CITROËN	Xsara, Xsara Picasso, C2, C3, C4, C5, C8, Xantia, Evasion, Evasion Synergie, Berlingo, Dispatch, Dispatch Jumpy, Relay, Relay Jumper	
PEUGEOT	107, 206, 207, 306, 307, 308, 406, 406 Coupe, 407 607, 807, Expert, Partner, Boxer, Ranch	
FIAT	Ulysse, Scudo, Ducato (JTD)	
VOLVO	S40 / V50	1.4D HDi; 1.4 TDCi; 1.5D; 1.6D HDi; 1.6 TDCi; 1.9D; 2.0D HDi; 2.2D HDi; 2.5D Turbo
FORD	Focus, Focus C-Max, Fiesta, Fusion	DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY), DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS), DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU), DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4 (RHW), DW10ATED4/L4 (RHT), DW10BTED (RHX), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED4 (RHL), DW10BTED4 (RHR), DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH), DW10JATED4 (RHM), DW10JATED4 (RHW), DW10TD (RHY), DW10UTD (RHV), DW10UTED4 (RHK), DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT), DW12ATED4/L4 (4HW), DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT), DW12UTED (4HY), DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY), F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE, TUD5/L/Y/L3 (VJZ), TUD5/L3, TUD5/Y/L3 (VJZ), TUD5B (VJX), TUD5B (VJX), VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3), XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ

Engine code	OEM code						
	0132Q; 0132QZ; 9767.27; 4507-TA	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	0194.C	7019-T; 0153U	4200-TH	0188-K; 0189K; 132AK; 153AK; 4533-TAD	0134AF; 0134Q; 0188-F; 9004-T; 9044-T
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			.				
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)	.						
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)			.				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)		.				.	.
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ		.		.			
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED4 (RHL)		.					.
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)		.					.

Engine code	OEM code						
	0132Q; 0132QZ; 9767.27; 4507-TA	0153N; 0188-Y; 7099TM; 7014TJ; 9767,34	0194.C	7019-T; 0153U	4200-TH	0188-K; 0189K; 132AK; 153AK; 4533-TAD	0134AF; 0134Q; 0188-F; 9004-T; 9044-T
DW10UTED4 (RHK)		•				•	•
DW10UTD (RHV)		•				•	•
DW10JATED4 (RHM), DW10JATED4 (RHW)		•				•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)						•	•
DW12ATED4/L4 (4HW)		•				•	•
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)							•
DW12UTED (4HY)		•				•	•
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)		•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)	•						
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8B/L4 (WJY)		•				•	
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)		•					•
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)						•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)		•					•
DW10ATED4 (RHW)						•	•
DW10CTED4 (RHE), DW10CTED4 (RHH)		•					•
DW10UTD (RHV)						•	•
DW12UTED (4HY)		•				•	•
DJ5TED (THX)		•					
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE			•				

Engine code	OEM code						
	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014-TN; 9766,98	5711-TB; 178B	0194B	0188-H	0188-D; 7017-TR	/	0188-X
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)				•	•		

Engine code	OEM code						
	0188-M; 0189-J; 0132AJ1; 4533-TAC1; 0153G; 5711-TA; 7014- TN; 9766,98	5711-TB; 178B	0194B	0188-H	0188-D; 7017-TR	/	0188-X
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED4(RHX), DW10BTED4 (RHL)	•						
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)	•						
DW10UTED4 (RHK)	•						
DW10UTD (RHV)	•						
DW10JATED4 (RHM), DW10JATED4 (RHW)	•					•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)	•					•	•
DW12ATED4/L4 (4HW)	•					•	•
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)	•					•	•
DW12UTED (4HY)	•						
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)		•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)			•				
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)			•				
DW8B/L4 (WJY)				•	•		
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)	•						
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)	•					•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)	•						
DW10ATED4 (RHW)	•						
DW10CTED4 (RHE), DW10CTED4 (RHH)	•						
DW10UTD (RHV)	•						
DW12UTED (4HY)	•						
DJ5TED (THX)		•					
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE	•						

Engine code	OEM code					
	0188-Q2	4507-TL; 0132P	153A; 6012T; 9765,54; D.86	0188-J1	0188-J2	0188-P; 0188-P2; 7015-T; 0174
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)		•				
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)				•		
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTF (DHX), XUD9SDZ/Y/ L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ			•			

Engine code	OEM code					
	0188-Q2	4507-TL; 0132P	153A; 6012T; 9765,54; D.86	0188-J1	0188-J2	0188-P; 0188-P2; 7015-T; 0174
DW10ATED (RHS), DW10ATED (RHZ), DW10ATED4 (RHR), DW10ATED4/L4 (RHT), DW10BTED4 (RHR), DW10TD (RHY), DW10BTED4 (RHF), DW10BTED4 (RHK), DW10BTED(RHX), DW10BTED4 (RHL)					•	•
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)	•					
DW10UTED4 (RHK)						•
DW10UTD (RHV)					•	•
DW10JATED4 (RHM), DW10JATED4 (RHW)					•	•
DW12ATED (4HX), DW12ATED (4HY), DW12ATED (4HZ), DW12ATED4 (4HT)					•	
DW12ATED4/L4 (4HW)					•	•
DW12UTED (4HY)					•	•
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)		•				
DW8B/L4 (WJY)	•			•		
DW10ATED (RHS), DW10ATED (RHZ), DW10TD (RHY)	•				•	•
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)					•	•
DW10BTED4 (RHF), DW10BTED4 (RHR)						•
DW10ATED4 (RHW)					•	•
DW10CTED4 (RHE), DW10CTED4 (RHH)						•
DW10UTD (RHV)					•	•
DW12UTED (4HY)					•	•

Engine code	OEM code					
	0178-E	4507-TJ; 9767,89; 132-X; 188-Q1	0188-E	0194-A; 132-AB	4527-TS2	4527-TS1
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)				•		
TUD5/L/Y/L3 (VJZ), TUD5/Y/L3 (VJZ), TUD5B (VJX)		•		•	•	•
DV6ATED4 (9HX), DV6AUTED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6BUTED4 (9HT), DV6TED4 (9HV), DV6TED4 (9HW), DV6TED4 (9HX), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HS), DV6TED4B (9HV), DV6UTED4 (9HU)				•		
DW8 (WJY), DW8/L/W3 (WJZ), DW8/L3 (WJZ), DW8B/L4 (WJY)			•			
XUD9A, XUD9A (D9B), XUD9A (DJY), XUD9A/L (D9B), XUD9A/L3 (DJY), XUD9A/U (D9B/C), XUD9AU (D9B), XUD9BTf (DHX), XUD9SDZ/Y/ L3 (DHW), XUD9TA/F (D8B/X), XUD9TE/L (D8A), XUD9TE/L3 (DHY), XUD9TE/Y (DHY), XUD9TE/Y (DHY), XUD9TF (D8B), XUD9TF (DHX), XUD9TF/L (D8B), XUD9TF/Y (DHX), XUD9UTF (D8C), XUD9Y (DJY), XUD9Y (DJZ), XUD9Y/D9A/DJZ			•			
DW10CTED4 (RHD), DW10CTED4 (RHE), DW10CTED4 (RHH)		•				
DW10UTED4 (RHK)		•				

Engine code	OEM code					
	0178-E	4507-TJ; 9767,89; 132-X; 188-Q1	0188-E	0194-A; 132-AB	4527-TS2	4527-TS1
DW12BTED4 (4HP), DW12BTED4 (4HR), DW12BTED4 (4HS), DW12BTED4 (4HT), DW12BTED4B (4HT)		•				
DJ5T (T8A/THZ), DJ5TED (THX), DK5ATE (THY)	•					
DV4TD (8HT), DV4TD (8HX), DV4TD (8HZ), DV4TED (8HS)				•		
TUD5/L3, VJY (TUD5/Y), VJZ (TUD5/L/L3), VJZ (TUD5/L/Y/L3)		•		•	•	•
DV6ATED4 (9HX), DV6BTED4 (9HT), DV6BTED4 (9HW), DV6TED4 (9HY), DV6TED4 (9HZ), DV6TED4B (9HV), DV6UTED4 (9HU)				•		
DW8B/L4 (WJY)			•			
DW10ATED4/L4 (RHT), DW10JATED4 (RHW)		•				
DW10BTED4 (RHF), DW10BTED4 (RHR)		•				
DW10CTED4 (RHE), DW10CTED4 (RHH)		•				
DJ5TED (THX)		•				
F6JA, F6JB, F6JC, G8DA, G8DB, G8DD, G8DE				•		



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