Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Alfa Romeo	145	1,9	JTD	D	323.02	1998	2001	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	145	1,9	JTD	D	323.02	1998	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	145	1,9	JTD	D	323.02	1998	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
Alfa Romeo	146	1,9	JTD	D	323.02	1998	2001	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	146	1,9	JTD	D	323.02	1998	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	146	1,9	JTD	D	323.02	1998	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					323.02 Total					
Alfa Romeo	147	1,9	JTD	D	182B9.000	2003	2010	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	147	1,9	JTD	D	182B9.000	2003	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B9.000 Total					
Alfa Romeo	147	1,9	JTD 16V	D	192A5.000	2002	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	147	1,9	JTD 16V	D	192A5.000	2002	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					192A5.000 Total					
Alfa Romeo	147	1,9	JTD	D	937A2.000/371.01	2001	2010	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	147	1,9	JTD	D	937A2.000/371.01	2001	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	147	1,9	JTD	D	937A2.000/371.01	2001	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A2.000/371.01 Total					
Alfa Romeo	147	1,9	JTDM 8V	D	937A3.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	147	1,9	JTDM 8V	D	937A3.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A3.000 Total					
Alfa Romeo	147	1,9	JTD 16V	D	937A4.000	2003	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	147	1,9	JTD 16V	D	937A4.000	2003	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A4.000 Total					
Alfa Romeo	147	1,9	JTDM 16V	D	937A5.000	2004	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	147	1,9	JTDM 16V	D	937A5.000	2004	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A5.000 Total					
Alfa Romeo	156	1,9	JTD	D	323.02	1997	2001	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	156	1,9	JTD	D	323.02	1997	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD	D	323.02	1997	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					323.02 Total					
Alfa Romeo	156	2,4	JTD	D	325.01	1997	2001	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	156	2,4	JTD	D	325.01	1997	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	2,4	JTD	D	325.01	1997	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					325.01 Total					
Alfa Romeo	156	1,9	JTD	D	371.01	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	156	1,9	JTD	D	371.01	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD	D	371.01	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					371.01 Total					
Alfa Romeo	156	1,9	JTD	D	182B9.000	2003	2005	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	156	1,9	JTD	D	182B9.000	2003	2005	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD	D	182B9.000	2003	2005	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					182B9.000 Total					

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Alfa Romeo	156	1,9	JTD 16V	D	192A5.000	2002	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD 16V	D	192A5.000	2002	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					192A5.000 Total					
Alfa Romeo	156	1,9	JTD 16V	D	192B1.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD 16V	D	192B1.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					192B1.000 Total					
Alfa Romeo	156	2,4	JTD	D	839A6.000	2001	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	2,4	JTD	D	839A6.000	2001	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					839A6.000 Total					
Alfa Romeo	156	2,4	JTD	D	841C.000	2001	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	2,4	JTD	D	841C.000	2001	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841C.000 Total					
Alfa Romeo	156	2,4	JTD 20V	D	841G.000	2003	2006	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	156	2,4	JTD 20V	D	841G.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	2,4	JTD 20V	D	841G.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841G.000 Total					
Alfa Romeo	156	2,4	JTD 20V	D	841M.000	2003	2003	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	156	2,4	JTD 20V	D	841M.000	2003	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	2,4	JTD 20V	D	841M.000	2003	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841M.000 Total					
Alfa Romeo	156	2,0	JTS	P	932A2.000	2002	2006	C148	Flywheel Locking Tool	1 860 898 000
					932A2.000 Total					
Alfa Romeo	156	2,0	JTS	P	937A1.000	2002	2006	C148	Flywheel Locking Tool	1 860 898 000
					937A1.000 Total					
Alfa Romeo	156	1,9	JTD	D	937A2.000	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	156	1,9	JTD	D	937A2.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD	D	937A2.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A2.000 Total					
Alfa Romeo	156	1,9	JTD 16V	D	937A4.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD 16V	D	937A4.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A4.000 Total					
Alfa Romeo	156	1,9	JTD 16V	D	937A5.000	2004	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD 16V	D	937A5.000	2004	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
Alfa Romeo	156	1,9	JTD 16V 4x4	D	937A5.000	2004	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	156	1,9	JTD 16V 4x4	D	937A5.000	2004	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A5.000 Total					
Alfa Romeo	159	1,9	JTDM	D	939A1.000	2005	2010	C278	Camshaft Alignment Screws (2)	1 870 896 900
					939A1.000 Total					
Alfa Romeo	159	1,9	JTDM 16V	D	939A2.000	2005	2010	C278	Camshaft Alignment Screws (2)	1 870 896 900
					939A2.000 Total					
Alfa Romeo	159	2,4	JTDM 20V	D	939A3.000	2005	2010	C278	Camshaft Alignment Screws (2)	1 870 896 900
Alfa Romeo	159	2,4	JTDM 20V	D	939A3.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Alfa Romeo	159	2,4	JTDM 20V	D	939A3.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					939A3.000 Total					
Alfa Romeo	159	1,9	JTDM	D	939A7.000	2005	2010	C278	Camshaft Alignment Screws (2)	1 870 896 900
					939A7.000 Total					
Alfa Romeo	159	1,9	JTDM 16V	D	939A8.000	2005	2010	C278	Camshaft Alignment Screws (2)	1 870 896 900
					939A8.000 Total					
Alfa Romeo	166	2,4	JTD	D	342.02	1998	2001	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	166	2,4	JTD	D	342.02	1998	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	166	2,4	JTD	D	342.02	1998	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					342.02 Total					
Alfa Romeo	166	2,4	JTD	D	362.02	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	166	2,4	JTD	D	362.02	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	166	2,4	JTD	D	362.02	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					362.02 Total					
Alfa Romeo	166	2,4	JTD	D	839A6.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	166	2,4	JTD	D	839A6.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					839A6.000 Total					
Alfa Romeo	166	2,4	JTD	D	841C.000	2002	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	166	2,4	JTD	D	841C.000	2002	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841C.000 Total					
Alfa Romeo	166	2,4	JTD 20V	D	841G.000	2003	2008	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	166	2,4	JTD 20V	D	841G.000	2003	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	166	2,4	JTD 20V	D	841G.000	2003	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841G.000 Total					
Alfa Romeo	166	2,4	JTD 20V	D	841H.000	2003	2008	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	166	2,4	JTD 20V	D	841H.000	2003	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	166	2,4	JTD 20V	D	841H.000	2003	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841H.000 Total					
Alfa Romeo	Brera	2,4	JTDM 20V	D	939A3.000	2005	2009	C278	Camshaft Alignment Screws (2)	1 870 896 900
Alfa Romeo	Brera	2,4	JTDM 20V	D	939A3.000	2005	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	Brera	2,4	JTDM 20V	D	939A3.000	2005	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					939A3.000 Total					
Alfa Romeo	Brera	2,4	JTDM 20V	D	939A9.000	2007	2011	C278	Camshaft Alignment Screws (2)	1 870 896 900
Alfa Romeo	Brera	2,4	JTDM 20V	D	939A9.000	2007	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	Brera	2,4	JTDM 20V	D	939A9.000	2007	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					939A9.000 Total					
Alfa Romeo	Crosswagon	1,9	JTD 16V 4x4	D	937A5.000	2004	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	Crosswagon	1,9	JTD 16V 4x4	D	937A5.000	2004	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A5.000 Total					
Alfa Romeo	Giulietta	1,6	JTDM 16V	D	940A3.000	2010	2012	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	Giulietta	1,6	JTDM 16V	D	940A3.000	2010	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					940A3.000 Total					

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Alfa Romeo	Giulietta	2,0	JTDM 16V	D	940A4.000	2010	2012	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	Giulietta	2,0	JTDM 16V	D	940A4.000	2010	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					940A4.000 Total					
Alfa Romeo	Giulietta	2,0	JTDM 16V	D	940A5.000	2010	2012	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	Giulietta	2,0	JTDM 16V	D	940A5.000	2010	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					940A5.000 Total					
Alfa Romeo	GT	2,0	JTS	P	932A2.000	2004	2010	C148	Flywheel Locking Tool	1 860 898 000
					932A2.000 Total					
Alfa Romeo	GT	2,0	JTS	P	937A1.000	2004	2010	C148	Flywheel Locking Tool	1 860 898 000
					937A1.000 Total					
Alfa Romeo	GT	1,9	JTDM 16V	D	937A5.000	2004	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	GT	1,9	JTDM 16V	D	937A5.000	2004	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A5.000 Total					
Alfa Romeo	GT	1,9	JTDM 16V	D	937A6.000	2008	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	GT	1,9	JTDM 16V	D	937A6.000	2008	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A6.000 Total					
Alfa Romeo	GTV	2,0	JTS	P	937A1.000	2003	2006	C148	Flywheel Locking Tool	1 860 898 000
					937A1.000 Total					
Alfa Romeo	MiTo	1,6	JTDM 16V	D	955A3.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	MiTo	1,6	JTDM 16V	D	955A3.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					955A3.000 Total					
Alfa Romeo	MiTo	1,6	JTDM 16V	D	955A4.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Alfa Romeo	MiTo	1,6	JTDM 16V	D	955A4.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					955A4.000 Total					
Alfa Romeo	Spider	2,0	JTS	P	937A1.000	2003	2006	C148	Flywheel Locking Tool	1 860 898 000
					937A1.000 Total					
Alfa Romeo	Spider	2,4	JTDM 20V	D	939A3.000	2006	2009	C278	Camshaft Alignment Screws (2)	1 870 896 900
Alfa Romeo	Spider	2,4	JTDM 20V	D	939A3.000	2006	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	Spider	2,4	JTDM 20V	D	939A3.000	2006	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					939A3.000 Total					
Alfa Romeo	Spider	2,4	JTDM 20V	D	939A9.000	2007	2011	C278	Camshaft Alignment Screws (2)	1 870 896 900
Alfa Romeo	Spider	2,4	JTDM 20V	D	939A9.000	2007	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Alfa Romeo	Spider	2,4	JTDM 20V	D	939A9.000	2007	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					939A9.000 Total					
Fiat	Barchetta	1,8		P	188A6.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					188A6.000 Total					
Fiat	Brava	1,8		P	182A2.000	1995	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Brava	1,8		P	182A2.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
					182A2.000 Total					
Fiat	Brava	1,9	TD 100	D	182A7.000	1995	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Brava	1,9	TD 100	D	182A7.000	1995	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182A7.000 Total					

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Fiat	Brava	1,9	TD 75	D	182A8.000	1995	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Brava	1,9	TD 75	D	182A8.000	1995	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182A8.000 Total					
Fiat	Brava	1,9	JTD	D	182B4.000	1998	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Brava	1,9	JTD	D	182B4.000	1998	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B4.000 Total					
Fiat	Brava	1,9	JTD	D	182B9.000	2001	2002	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Brava	1,9	JTD	D	182B9.000	2001	2002	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B9.000 Total					
Fiat	Bravo	1,8		P	182A2.000	1995	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,8		P	182A2.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
					182A2.000 Total					
Fiat	Bravo	1,9	TD 100	D	182A7.000	1995	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,9	TD 100	D	182A7.000	1995	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182A7.000 Total					
Fiat	Bravo	1,9	TD 75	D	182A8.000	1995	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,9	TD 75	D	182A8.000	1995	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182A8.000 Total					
Fiat	Bravo	1,9	JTD	D	182B4.000	1998	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,9	JTD	D	182B4.000	1998	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B4.000 Total					
Fiat	Bravo	1,9	JTD	D	182B9.000	2001	2002	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,9	JTD	D	182B9.000	2001	2002	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B9.000 Total					
Fiat	Bravo	1,9	MultiJet 120	D	192A8.000	2007	2009	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,9	MultiJet 120	D	192A8.000	2007	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192A8.000 Total					
Fiat	Bravo	1,9	MultiJet 115	D	192B4.000	2007	2009	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,9	MultiJet 115	D	192B4.000	2007	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192B4.000 Total					
Fiat	Bravo	1,9	MultiJet 90	D	192B5.000	2007	2009	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,9	MultiJet 90	D	192B5.000	2007	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192B5.000 Total					
Fiat	Bravo	1,6	MultiJet 120	D	198A2.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,6	MultiJet 120	D	198A2.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					198A2.000 Total					
Fiat	Bravo	1,6	MultiJet 105	D	198A3.000	2007	2012	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,6	MultiJet 105	D	198A3.000	2007	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					198A3.000 Total					
Fiat	Bravo	1,6	MultiJet 90	D	198A6.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,6	MultiJet 90	D	198A6.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					198A6.000 Total					

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Fiat	Bravo	1,9	MultiJet 150	D	937A5.000	2007	2009	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Bravo	1,9	MultiJet 150	D	937A5.000	2007	2009	C278	Camshaft Alignment Screws (2)	1 870 896 900
Fiat	Bravo	1,9	MultiJet 150	D	937A5.000	2007	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Bravo	1,9	MultiJet 150	D	937A5.000	2007	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A5.000 Total					
Fiat	Croma	1,9	JTD 16V/MultiJet 150	D	939A2.000	2005	2011	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Croma	1,9	JTD 16V/MultiJet 150	D	939A2.000	2005	2011	C278	Camshaft Alignment Screws (2)	1 870 896 900
Fiat	Croma	1,9	JTD 16V/MultiJet 150	D	939A2.000	2005	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					939A2.000 Total					
Fiat	Croma	2,4	JTD 20V	D	939A3.000	2005	2011	C278	Camshaft Alignment Screws (2)	1 870 896 900
Fiat	Croma	2,4	JTD 20V	D	939A3.000	2005	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Croma	2,4	JTD 20V	D	939A3.000	2005	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					939A3.000 Total					
Fiat	Doblo	1,9	JTD	D	182B9.000	2002	2004	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Doblo	1,9	JTD	D	182B9.000	2002	2004	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Doblo	1,9	JTD	D	182B9.000	2002	2004	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					182B9.000 Total					
Fiat	Doblo	1,9	MultiJet 120	D	186A9.000	2005	2010	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Doblo	1,9	MultiJet 120	D	186A9.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Doblo	1,9	MultiJet 120	D	186A9.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					186A9.000 Total					
Fiat	Doblo	1,9		D	223A6.000	2000	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					223A6.000 Total					
Fiat	Doblo	1,9	MultiJet 105	D	223A7.000	2004	2010	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Doblo	1,9	MultiJet 105	D	223A7.000	2004	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Doblo	1,9	MultiJet 105	D	223A7.000	2004	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					223A7.000 Total					
Fiat	Doblo	1,9	MultiJet 105	D	223B1.000	2005	2010	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Doblo	1,9	MultiJet 105	D	223B1.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Doblo	1,9	MultiJet 105	D	223B1.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					223B1.000 Total					
Fiat	Doblo Cargo	1,9	JTD	D	182B9.000	2002	2004	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Doblo Cargo	1,9	JTD	D	182B9.000	2002	2004	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Doblo Cargo	1,9	JTD	D	182B9.000	2002	2004	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					182B9.000 Total					
Fiat	Doblo Cargo	1,9	MultiJet 120	D	186A9.000	2005	2010	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Doblo Cargo	1,9	MultiJet 120	D	186A9.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Doblo Cargo	1,9	MultiJet 120	D	186A9.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					186A9.000 Total					
Fiat	Doblo Cargo	1,9		D	223A6.000	2000	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					223A6.000 Total					
Fiat	Doblo Cargo	1,9	MultiJet 105	D	223A7.000	2004	2010	C148	Flywheel Locking Tool	1 860 898 000

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Fiat	Doblo Cargo	1,9	MultiJet 105	D	223A7.000	2004	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Doblo Cargo	1,9	MultiJet 105	D	223A7.000	2004	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					223A7.000 Total					
Fiat	Doblo Cargo	1,9	MultiJet 105	D	223B1.000	2005	2010	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Doblo Cargo	1,9	MultiJet 105	D	223B1.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Doblo Cargo	1,9	MultiJet 105	D	223B1.000	2005	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					223B1.000 Total					
Fiat	Grande Punto	1,9	MultiJet 130	D	199A5.000	2005	2009	C148	Flywheel Locking Tool	1 860 898 000
					199A5.000 Total					
Fiat	Grande Punto	1,9	MultiJet 120	D	939A1.000	2005	2009	C148	Flywheel Locking Tool	1 860 898 000
					939A1.000 Total					
Fiat	Grande Punto	1,6	MultiJet 120	D	955A3.000	2008	2010	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Grande Punto	1,6	MultiJet 120	D	955A3.000	2008	2010	C278	Camshaft Alignment Screws (2)	1 870 896 900
					955A3.000 Total					
Fiat	Idea	1,9	JTD/MultiJet 100	D	188B2.000	2004	2008	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Idea	1,9	JTD/MultiJet 100	D	188B2.000	2004	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Idea	1,9	JTD/MultiJet 100	D	188B2.000	2004	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					188B2.000 Total					
Fiat	Idea	1,6	MultiJet 120	D	350A2.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Idea	1,6	MultiJet 120	D	350A2.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					350A2.000 Total					
Fiat	Idea	1,6	MultiJet 115	D	350A3.000	2009	2012	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Idea	1,6	MultiJet 115	D	350A3.000	2009	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					350A3.000 Total					
Fiat	Linea	1,6	MultiJet 105	D	198A3.000	2008	2011	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Linea	1,6	MultiJet 105	D	198A3.000	2008	2011	C278	Camshaft Alignment Screws (2)	1 870 896 900
Fiat	Linea	1,6	MultiJet 105	D	198A3.000	2008	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					198A3.000 Total					
Fiat	Marea	1,8		P	182A2.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	1,8		P	182A2.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
					182A2.000 Total					
Fiat	Marea	1,9	TD 100	D	182A7.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	1,9	TD 100	D	182A7.000	1996	1999	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182A7.000 Total					
Fiat	Marea	1,9	TD 75	D	182A8.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	1,9	TD 75	D	182A8.000	1996	1999	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182A8.000 Total					
Fiat	Marea	1,9	JTD 105	D	182B4.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	1,9	JTD 105	D	182B4.000	1999	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B4.000 Total					
Fiat	Marea	1,9	JTD 100	D	182B9.000	2000	2003	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	1,9	JTD 100	D	182B9.000	2000	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
					182B9.000 Total					
Fiat	Marea	2,4	TD 125	D	185A2.000	1996	1998	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	2,4	TD 125	D	185A2.000	1996	1998	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Marea	2,4	TD 125	D	185A2.000	1998	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	2,4	TD 125	D	185A2.000	1998	1999	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					185A2.000 Total					
Fiat	Marea	2,4	JTD 130	D	185A6.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	2,4	JTD 130	D	185A6.000	1999	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					185A6.000 Total					
Fiat	Marea	1,9	JTD 110	D	186A6.000	2000	2003	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea	1,9	JTD 110	D	186A6.000	2000	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					186A6.000 Total					
Fiat	Marea Weekend/Marengo	1,8		P	182A2.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	1,8		P	182A2.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
					182A2.000 Total					
Fiat	Marea Weekend/Marengo	1,9	TD 100	D	182A7.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	1,9	TD 100	D	182A7.000	1996	1999	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182A7.000 Total					
Fiat	Marea Weekend/Marengo	1,9	TD 75	D	182A8.000	1996	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	1,9	TD 75	D	182A8.000	1996	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182A8.000 Total					
Fiat	Marea Weekend/Marengo	1,9	JTD 105	D	182B4.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	1,9	JTD 105	D	182B4.000	1999	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B4.000 Total					
Fiat	Marea Weekend/Marengo	1,9	JTD 100	D	182B9.000	2000	2003	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	1,9	JTD 100	D	182B9.000	2000	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B9.000 Total					
Fiat	Marea Weekend/Marengo	2,4	TD 125	D	185A2.000	1996	1998	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	2,4	TD 125	D	185A2.000	1996	1998	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Marea Weekend/Marengo	2,4	TD 125	D	185A2.000	1998	1999	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	2,4	TD 125	D	185A2.000	1998	1999	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					185A2.000 Total					
Fiat	Marea Weekend/Marengo	2,4	JTD 130	D	185A6.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	2,4	JTD 130	D	185A6.000	1999	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					185A6.000 Total					
Fiat	Marea Weekend/Marengo	1,9	JTD 110	D	186A6.000	2000	2003	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Marea Weekend/Marengo	1,9	JTD 110	D	186A6.000	2000	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					186A6.000 Total					
Fiat	Multipla	1,9	JTD 105	D	182B4.000	1999	2000	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Multipla	1,9	JTD 105	D	182B4.000	1999	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					182B4.000 Total					
Fiat	Multipla	1,9	JTD 110	D	186A6.000	2000	2004	C148	Flywheel Locking Tool	1 860 898 000

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Fiat	Multipla	1,9	JTD 110	D	186A6.000	2000	2004	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					186A6.000 Total					
Fiat	Multipla	1,9	JTD 115	D	186A8.000	2004	2007	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Multipla	1,9	JTD 115	D	186A8.000	2004	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					186A8.000 Total					
Fiat	Multipla	1,9	MultiJet 120	D	186A9.000	2005	2011	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Multipla	1,9	MultiJet 120	D	186A9.000	2005	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Multipla	1,9	MultiJet 120	D	186A9.000	2005	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					186A9.000 Total					
Fiat	Palio Weekend	1,9	JTD 80	D	188A2.000	2002	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Palio Weekend	1,9	JTD 80	D	188A2.000	2002	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					188A2.000 Total					
Fiat	Punto Evo	1,6	MultiJet 120	D	955A3.000	2009	2012	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Punto Evo	1,6	MultiJet 120	D	955A3.000	2009	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					955A3.000 Total					
Fiat	Punto/Punto Classic	1,8		P	183A6.000	2001	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					183A6.000 Total					
Fiat	Punto/Punto Classic	1,9	JTD	D	188A2.000	1999	2001	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Punto/Punto Classic	1,9	JTD	D	188A2.000	1999	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Punto/Punto Classic	1,9	JTD	D	188A2.000	1999	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					188A2.000 Total					
Fiat	Punto/Punto Classic	1,9	D	D	188A3.000	1999	2003	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Punto/Punto Classic	1,9	D	D	188A3.000	1999	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Punto/Punto Classic	1,9	D	D	188A3.000	1999	2003	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					188A3.000 Total					
Fiat	Punto/Punto Classic	1,8		P	188A6.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					188A6.000 Total					
Fiat	Punto/Punto Classic	1,9	JTD	D	188A7.000	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Punto/Punto Classic	1,9	JTD	D	188A7.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Punto/Punto Classic	1,9	JTD	D	188A7.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					188A7.000 Total					
Fiat	Punto/Punto Classic	1,9	JTD	D	188B2.000	2003	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Punto/Punto Classic	1,9	JTD	D	188B2.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Punto/Punto Classic	1,9	JTD	D	188B2.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					188B2.000 Total					
Fiat	Ritmo	1,9	JTD	D	192A8.000	2008	2010	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Ritmo	1,9	JTD	D	192A8.000	2008	2010	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192A8.000 Total					
Fiat	Ritmo	1,9	JTD	D	937A5.000	2008	2009	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Ritmo	1,9	JTD	D	937A5.000	2008	2009	C278	Camshaft Alignment Screws (2)	1 870 896 900
Fiat	Ritmo	1,9	JTD	D	937A5.000	2008	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Ritmo	1,9	JTD	D	937A5.000	2008	2009	C277	Flywheel Alignment Tool c/w stud	1 860 905 010

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
					937A5.000 Total					
Fiat	Sedici	1,9	MultiJet	D	D19AA	2006	2009	C148	Flywheel Locking Tool	1 860 898 000
					D19AA Total					
Fiat	Stilo	1,9	JTD 115	D	192A1.000	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Stilo	1,9	JTD 115	D	192A1.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192A1.000 Total					
Fiat	Stilo	1,9	JTD 80	D	192A3.000	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Stilo	1,9	JTD 80	D	192A3.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192A3.000 Total					
Fiat	Stilo	1,8		P	192A4.000	2001	2008	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Stilo	1,8		P	192A4.000	2001	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192A4.000 Total					
Fiat	Stilo	1,9	MultiJet 140	D	192A5.000	2004	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Stilo	1,9	MultiJet 140	D	192A5.000	2004	2006	C278	Camshaft Alignment Screws (2)	1 870 896 900
Fiat	Stilo	1,9	MultiJet 140	D	192A5.000	2004	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Stilo	1,9	MultiJet 140	D	192A5.000	2004	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					192A5.000 Total					
Fiat	Stilo	1,9	MultiJet 120	D	192A8.000	2005	2008	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Stilo	1,9	MultiJet 120	D	192A8.000	2005	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192A8.000 Total					
Fiat	Stilo	1,9	JTD 100	D	192A9.000	2004	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Stilo	1,9	JTD 100	D	192A9.000	2004	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					192A9.000 Total					
Fiat	Stilo	1,9	MultiJet 150	D	937A5.000	2005	2008	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Stilo	1,9	MultiJet 150	D	937A5.000	2005	2008	C278	Camshaft Alignment Screws (2)	1 870 896 900
Fiat	Stilo	1,9	MultiJet 150	D	937A5.000	2005	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Stilo	1,9	MultiJet 150	D	937A5.000	2005	2008	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A5.000 Total					
Fiat	Stilo	1,9	MultiJet 140	D	RHT	2004	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Stilo	1,9	MultiJet 140	D	RHT	2004	2006	C278	Camshaft Alignment Screws (2)	1 870 896 900
Fiat	Stilo	1,9	MultiJet 140	D	RHT	2004	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Fiat	Stilo	1,9	MultiJet 140	D	RHT	2004	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					RHT Total					
Fiat	Strada Pick-up	1,9	JTD	D	188A2.000	2003	2006	C148	Flywheel Locking Tool	1 860 898 000
Fiat	Strada Pick-up	1,9	JTD	D	188A2.000	2003	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					188A2.000 Total					
Lancia	Dedra	1,8		P	182A2.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
					182A2.000 Total					
Lancia	Dedra	1,8		P	183A1.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
					183A1.000 Total					
Lancia	Delta	1,8		P	182A2.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
					182A2.000 Total					

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Lancia	Delta	1,8		P	183A1.000	1996	1999	C148	Flywheel Locking Tool	1 860 898 000
					183A1.000 Total					
Lancia	Delta	1,6	MultiJet 120	D	198A2.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Delta	1,6	MultiJet 120	D	198A2.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					198A2.000 Total					
Lancia	Delta	2,0	MultiJet 165	D	198A5.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Delta	2,0	MultiJet 165	D	198A5.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					198A5.000 Total					
Lancia	Delta	1,9	MultiJet 190	D	844A1.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Delta	1,9	MultiJet 190	D	844A1.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					844A1.000 Total					
Lancia	Delta	2,0	MultiJet 163	D	844A2.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Delta	2,0	MultiJet 163	D	844A2.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					844A2.000 Total					
Lancia	Delta	1,6	MultiJet 115	D	955A4.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Delta	1,6	MultiJet 115	D	955A4.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					955A4.000 Total					
Lancia	Kappa	2,4	Turbo	D	838A3.000	1994	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					838A3.000 Total					
Lancia	Kappa	2,4	Turbo	D	838A7.000	1997	2000	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					838A7.000 Total					
Lancia	Kappa	2,4	JTD	D	838A8.000	1998	2002	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Kappa	2,4	JTD	D	838A8.000	1998	2002	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
					838A8.000 Total					
Lancia	Lybra	1,9	JTD	D	323.02	1999	2001	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Lybra	1,9	JTD	D	323.02	1999	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Lybra	1,9	JTD	D	323.02	1999	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					323.02 Total					
Lancia	Lybra	1,9	JTD	D	371.01	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Lybra	1,9	JTD	D	371.01	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Lybra	1,9	JTD	D	371.01	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					371.01 Total					
Lancia	Lybra	2,0		P	182B7.000	1999	2001	C148	Flywheel Locking Tool	1 860 898 000
					182B7.000 Total					
Lancia	Lybra	2,0		P	185A8.000	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
					185A8.000 Total					
Lancia	Lybra	1,8		P	839A4.000	1999	2001	C148	Flywheel Locking Tool	1 860 898 000
					839A4.000 Total					
Lancia	Lybra	2,4	JTD	D	839A5.000	1999	2001	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Lybra	2,4	JTD	D	839A5.000	1999	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Lybra	2,4	JTD	D	839A5.000	1999	2001	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					839A5.000 Total					

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Lancia	Lybra	2,4	JTD	D	839A6.000	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Lybra	2,4	JTD	D	839A6.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Lybra	2,4	JTD	D	839A6.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					839A6.000 Total					
Lancia	Lybra	1,8		P	839A7.000	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
					839A7.000 Total					
Lancia	Lybra	2,4	JTD	D	841C.000	2001	2006	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Lybra	2,4	JTD	D	841C.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Lybra	2,4	JTD	D	841C.000	2001	2006	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841C.000 Total					
Lancia	Lybra	1,9	JTD	D	937A2.000	2001	2007	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Lybra	1,9	JTD	D	937A2.000	2001	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Lybra	1,9	JTD	D	937A2.000	2001	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					937A2.000 Total					
Lancia	Musa	1,3	JTD/MultiJet 70	D	188A9.000	2004	2011	C278	Camshaft Alignment Screws (2)	1 870 896 900
					188A9.000 Total					
Lancia	Musa	1,9	JTD/MultiJet 100	D	188B2.000	2004	2011	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Musa	1,9	JTD/MultiJet 100	D	188B2.000	2004	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Musa	1,9	JTD/MultiJet 100	D	188B2.000	2004	2011	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					188B2.000 Total					
Lancia	Musa	1,3	JTD/MultiJet 90	D	199A3.000	2005	2011	C278	Camshaft Alignment Screws (2)	1 870 896 900
					199A3.000 Total					
Lancia	Musa	1,6	MultiJet 120	D	350A2.000	2008	2012	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Musa	1,6	MultiJet 120	D	350A2.000	2008	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					350A2.000 Total					
Lancia	Musa	1,6	MultiJet 115	D	350A3.000	2009	2012	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Musa	1,6	MultiJet 115	D	350A3.000	2009	2012	C278	Camshaft Alignment Screws (2)	1 870 896 900
					350A3.000 Total					
Lancia	Thesis	2,4	JTD	D	841C.000	2002	2007	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Thesis	2,4	JTD	D	841C.000	2002	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Thesis	2,4	JTD	D	841C.000	2002	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841C.000 Total					
Lancia	Thesis	2,4	JTD 20V	D	841G.000	2003	2007	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Thesis	2,4	JTD 20V	D	841G.000	2003	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Thesis	2,4	JTD 20V	D	841G.000	2003	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841G.000 Total					
Lancia	Thesis	2,4	JTD 20V	D	841H.000	2003	2007	C148	Flywheel Locking Tool	1 860 898 000
Lancia	Thesis	2,4	JTD 20V	D	841H.000	2003	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 000
Lancia	Thesis	2,4	JTD 20V	D	841H.000	2003	2007	C277	Flywheel Alignment Tool c/w stud	1 860 905 010
					841H.000 Total					
Lancia	Ypsilon	1,3	JTD	D	188A9.000	2003	2006	C278	Camshaft Alignment Screws (2)	1 870 896 900
					188A9.000 Total					

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Lancia	Ypsilon	1,3	MultiJet 90	D	199A3.000	2006	2011	C278	Camshaft Alignment Screws (2)	1 870 896 900
					199A3.000 Total					
Opel/Vauxhall	Astra	1,9	CDTi	D	Z19DT	2004	2009	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DT Total					
Opel/Vauxhall	Astra	1,9	CDTi	D	Z19DTH	2006	2009	C277	Flywheel Alignment Tool c/w stud	EN-46788
Opel/Vauxhall	Astra	1,9	CDTi	D	Z19DTH	2006	2009	C278	Camshaft Alignment Screws (2)	EN-46789
					Z19DTH Total					
Opel/Vauxhall	Astra-H	1,9	CDTi	D	Z19DT	2004	2011	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DT Total					
Opel/Vauxhall	Astra-H	1,9	CDTi	D	Z19DTH	2004	2011	C277	Flywheel Alignment Tool c/w stud	EN-46788
Opel/Vauxhall	Astra-H	1,9	CDTi	D	Z19DTH	2004	2011	C278	Camshaft Alignment Screws (2)	EN-46789
					Z19DTH Total					
Opel/Vauxhall	Astra-H	1,9	CDTi	D	Z19DTJ	2005	2011	C277	Flywheel Alignment Tool c/w stud	EN-46788
Opel/Vauxhall	Astra-H	1,9	CDTi	D	Z19DTJ	2005	2011	C278	Camshaft Alignment Screws (2)	EN-46789
					Z19DTJ Total					
Opel/Vauxhall	Astra-H	1,9	CDTi	D	Z19DTL	2006	2011	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DTL Total					
Opel/Vauxhall	Insignia	2,0	CDTi	D	LBS/A20DTH	2008	2012	C277	Flywheel Alignment Tool c/w stud	EN-46788
Opel/Vauxhall	Insignia	2,0	CDTi	D	LBS/A20DTH	2008	2012	C278	Camshaft Alignment Screws (2)	EN-46789
Opel/Vauxhall	Insignia	2,0	CDTi ecoFLEX	D	LBS/A20DTH	2009	2012	C277	Flywheel Alignment Tool c/w stud	EN-46788
					LBS/A20DTH Total					
Opel/Vauxhall	Insignia	2,0	CDTi ecoFLEX	D	LBS/A20DTH	2009	2012	C278	Camshaft Alignment Screws (2)	EN-46789
					LBS/A20DTH Total					
Opel/Vauxhall	Insignia	2,0	CDTi	D	LBX/A20DTJ	2008	2012	C277	Flywheel Alignment Tool c/w stud	EN-46788
					LBX/A20DTJ Total					
Opel/Vauxhall	Insignia	2,0	CDTi	D	LBX/A20DTJ	2008	2012	C278	Camshaft Alignment Screws (2)	EN-46789
					LBX/A20DTJ Total					
Opel/Vauxhall	Insignia	2,0	CDTi	D	LBY/A20DTR	2008	2011	C277	Flywheel Alignment Tool c/w stud	EN-46788
					LBY/A20DTR Total					
Opel/Vauxhall	Insignia	2,0	CDTi	D	LBY/A20DTR	2008	2011	C278	Camshaft Alignment Screws (2)	EN-46789
					LBY/A20DTR Total					
Opel/Vauxhall	Insignia	2,0	CDTi	D	LCD/A20DTC	2008	2012	C277	Flywheel Alignment Tool c/w stud	EN-46788
					LCD/A20DTC Total					
Opel/Vauxhall	Insignia	2,0	CDTi	D	LCD/A20DTC	2008	2012	C278	Camshaft Alignment Screws (2)	EN-46789
					LCD/A20DTC Total					
Opel/Vauxhall	Signum	1,9	CDTi	D	Z19DT	2004	2008	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DT Total					
Opel/Vauxhall	Signum	1,9	CDTi	D	Z19DTH	2004	2008	C277	Flywheel Alignment Tool c/w stud	EN-46788
Opel/Vauxhall	Signum	1,9	CDTi	D	Z19DTH	2004	2008	C278	Camshaft Alignment Screws (2)	EN-46789
					Z19DTH Total					
Opel/Vauxhall	Signum	1,9	CDTi	D	Z19DTL	2005	2008	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DTL Total					

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Make	Model	Size	Type	Fuel	Eng Code	Year	Year	Comp Code	Description	OEM Ref
Opel/Vauxhall	Vectra-C	1,9	CDTi	D	Z19DT	2004	2008	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DT Total					
Opel/Vauxhall	Vectra-C	1,9	CDTi	D	Z19DTH	2004	2008	C277	Flywheel Alignment Tool c/w stud	EN-46788
Opel/Vauxhall	Vectra-C	1,9	CDTi	D	Z19DTH	2004	2008	C278	Camshaft Alignment Screws (2)	EN-46789
					Z19DTH Total					
Opel/Vauxhall	Vectra-C	1,9	CDTi	D	Z19DTL	2005	2008	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DTL Total					
Opel/Vauxhall	Zafira-B	1,9	CDTi	D	Z19DT	2005	2012	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DT Total					
Opel/Vauxhall	Zafira-B	1,9	CDTi	D	Z19DTH	2005	2012	C277	Flywheel Alignment Tool c/w stud	EN-46788
Opel/Vauxhall	Zafira-B	1,9	CDTi	D	Z19DTH	2005	2012	C278	Camshaft Alignment Screws (2)	EN-46789
					Z19DTH Total					
Opel/Vauxhall	Zafira-B	1,9	CDTi	D	Z19DTL	2005	2012	C277	Flywheel Alignment Tool c/w stud	EN-46788
					Z19DTL Total					
Saab	9-3	1,9	TiD	D	Z19DT	2004	2010	C277	Flywheel Alignment Tool c/w stud	32 025 009
					Z19DT Total					
Saab	9-3	1,9	TiD	D	Z19DTH	2004	2010	C277	Flywheel Alignment Tool c/w stud	32 025 009
Saab	9-3	1,9	TiD	D	Z19DTH	2004	2010	C278	Camshaft Alignment Screws (2)	32 025 008
					Z19DTH Total					
Saab	9-3	1,9	TTiD	D	Z19DTR	2007	2010	C277	Flywheel Alignment Tool c/w stud	32 025 009
Saab	9-3	1,9	TTiD	D	Z19DTR	2007	2010	C278	Camshaft Alignment Screws (2)	32 025 008
					Z19DTR Total					
Saab	9-5	1,9	TiD	D	Z19DTH	2005	2010	C277	Flywheel Alignment Tool c/w stud	32 025 009
Saab	9-5	1,9	TiD	D	Z19DTH	2005	2010	C278	Camshaft Alignment Screws (2)	32 025 008
Saab	9-5	1,9	TiD	D	Z19DTH	2008	2010	C277	Flywheel Alignment Tool c/w stud	32 025 009
Saab	9-5	1,9	TiD	D	Z19DTH	2008	2010	C278	Camshaft Alignment Screws (2)	32 025 008
					Z19DTH Total					

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Avertissements :

Un réglage incorrect ou déphasé du moteur peut endommager les soupapes. The Tool Connection ne pourra pas être tenu responsable des dommages résultant de l'utilisation de ces outils. Suivre toujours les instructions du fabricant du véhicule.

Consignes de sécurité. Lire attentivement.

- Débranchez les câbles de terre de la batterie (vérifiez que le code radio est disponible).
- Enlevez les bougies d'allumage ou de préchauffage pour faciliter la rotation du moteur.
- N'utilisez pas de produits de nettoyage sur les courroies, pignons ou galets.
- Notez toujours la trajectoire de la courroie d'entraînement auxiliaire avant de la déposer.
- Faites tourner le moteur dans le sens de rotation normal (sens horaire sauf indications contraires).
- Ne faites pas tourner l'arbre à cames, le vilebrequin ou la pompe d'injection de gasoil une fois que la chaîne de distribution a été enlevée (sauf indications contraires).
- N'utilisez pas la chaîne de distribution pour bloquer le moteur pendant le desserrage ou le serrage des boulons de poulies du vilebrequin.
- Ne faites pas tourner le vilebrequin ou l'arbre à cames lorsque la courroie ou la chaîne de distribution a été enlevée.
- Marquez le sens de la chaîne avant de la déposer.
- On recommande toujours de faire tourner lentement le moteur à la main et de vérifier à nouveau les positions de réglage de l'arbre à cames et du vilebrequin.
- Les vilebrequins et les arbres à cames ne peuvent tourner que lorsque le mécanisme d'entraînement par chaîne est complètement installé.
- Ne faites pas tourner le vilebrequin via l'arbre à cames ou d'autres pignons.
- Enlevez les bougies d'allumage ou de préchauffage pour faciliter la rotation du moteur.
- Vérifiez le réglage de la pompe d'injection de gasoil après avoir remplacé la chaîne.
- Vérifiez tous les couples de serrage.

Nota : Ces moteurs sont disponibles en configurations SOHC et DOHC. La procédure est très semblable, cependant les points suivants doivent être notés :
Pour les moteurs SOHC, utiliser uniquement les composants A et C (des repères de calage sont marqués sur la poulie d'arbre à cames).
Pour les moteurs DOHC, utiliser les composants A, B et C. Pour remplacer la courroie, il suffit de bloquer l'arbre à cames d'échappement, car la commande de l'arbre à cames d'admission est transférée dans la culasse via des engrenages de transfert.
Pour remettre en état la culasse DOHC, utiliser tous les composants.

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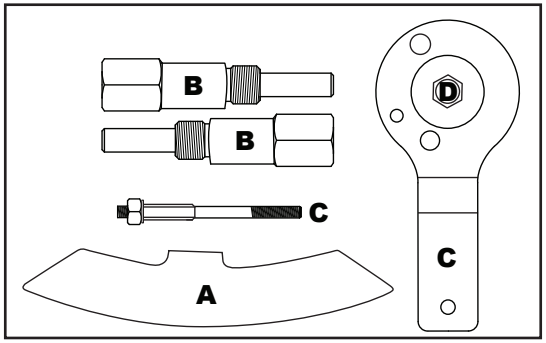
LASER®

Part No. 5179

Outils de réglage de moteur

Fiat | Alfa Romeo | Vauxhall
JTD Multijet
1.6 | 1.9 | 2.4 SOHC | DOHC

Sommaire



ID	Code	Réf. OEM	Description
A	C148	1.860.898.000	Outil de blocage de volant
B	C278	1.870.896.900	Goupilles d'alignement d'arbre à cames (2)
C	C277	1.860.905.000 | 1.860.905.010	Outil d'alignement de vilebrequin
C			Fixation pour l'outil d'alignement de vilebrequin

Description des composants

Préparation

- Déposer la roue avant droite, le capot du moteur, le plateau inférieur du moteur et le passage de roue intérieur.
- Selon le modèle de véhicule, il peut être nécessaire de déposer le pare-chocs avant, le tendeur de courroie d'entraînement auxiliaire et le radiateur pour avoir accès à la courroie de cames.

Composant A
Outil de blocage du volant

Sert à bloquer le volant pendant que l'on dévisse le boulon central de poulie du vilebrequin. Le composant (A) s'installe à la place de la plaque d'accès au volant, installée du côté moteur du carter du volant.

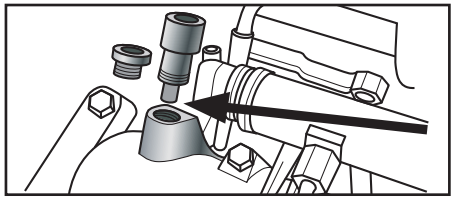
Composants B
Goupilles d'alignement d'arbre à cames (2)

Ces goupilles ne sont nécessaires que sur les moteurs DOHC. Pour remplacer la courroie de distribution, une seule goupille est nécessaire (pour bloquer l'arbre à cames d'échappement).

Lorsque la dépose ou la remise en état de la culasse est nécessaire, les deux goupilles doivent être utilisées pour bloquer les deux arbres à cames.

Les goupilles d'alignement d'arbres à cames se vissent et se positionnent dans une fente dans les arbres à cames. Si la fente n'est pas bien alignée, les goupilles ne pourront pas se visser complètement.

Faire tourner le vilebrequin dans le sens normal de rotation jusqu'à ce que l'on puisse visser la goupille de blocage.



Enlever l'obturateur sur le couvercle de la came d'échappement et insérer l'outil de blocage d'arbre à cames.

Composant C
Outil d'alignement de vilebrequin

Utiliser les fixations fournies (C) pour maintenir le vilebrequin à la position fixée, une fois que sa poulie a été déposée.

Applications :

Marque	Modèle	Capacité	Carburant
Alfa Romeo	JTD	1.9	D
	JTDM 8V	1.9	D
	JTDM 16V	1.9	D
	JTD 16v	1.8	D
	JTD 20v	2.4	D
	JTD	2.4	D
	JTDM 20v	2.4	D
	JTS	2.0	P
	JTD 16v 4X4	1.9	D
Fiat	TD100	1.9	D
	Multijet 150	1.9	D
	JTD 16v MJ	1.9	D
	JTD 20v	2.4	D
	Multijet 120	1.9	D
	Multijet 105	1.9	D
	JTD	1.0	D
	Multijet 120	1.6	D
	TD100	1.9	D
	TD75	1.9	D
	JTD 100	1.9	D
	TD125	2.4	D
	JTD 115	1.9	D
	JTD80	1.9	D
	Multijet 140	1.9	D
	Multijet 150	1.9	D
Lancia	Multijet 120	1.6	D
	Multijet 165	2.0	D
	Multijet 190	1.9	D
	Multijet 163	2.0	D
	Multijet 115	1.6	D
	JTD	1.9 | 2.4	D
	Multijet 100	1.9	D
	Multijet 70	1.3	D
	JTD 20v	2.4	D
	Multijet 90	1.3	D
Vauxhall	CDTi	1.9	D
	CDTi Ecoflex	2.0	D
	CDTi	2.0	D
Saab	TiD	1.9	D
	TTiD	1.9	D

For full applications list please see our website www.lasertools.co.uk/5179

Warnung:

Eine falsche bzw. falsch synchronisierte Motorsteuerung kann zu einer Beschädigung der Ventile führen. The Tool Connection kann nicht für Schäden haftbar gemacht werden, die auf die Verwendung dieser Werkzeuge zurückgehen. Immer die Anweisungen des Fahrzeugherstellers befolgen.

Vorsichtsmaßnahmen – bitte durchlesen

- Débranchez les câbles de terre de la • Die Massekabel der Batterie abziehen (den Radiocode bereithalten)
- Die Zünd- oder Glühkerze entfernen, um die Kurbelwelle einfacher drehen zu können.
- Keine Reinigungsflüssigkeiten an Riemen, Ritzeln oder Rollen verwenden.
- Immer den Verlauf des Zusatzantriebsriemens vor dem Ausbau notieren.
- Die Kurbelwelle in die normale Richtung drehen (nach rechts, sofern nicht anders angegeben).
- Die Nockenwelle, Kurbelwelle oder Dieseleinspritzpumpe nicht drehen, sobald die Steuerkette ausgebaut wurde (sofern nicht anders ausdrücklich genannt).
- Die Steuerkette nicht zum Blockieren des Motors beim Lockern oder Anziehen der Schrauben der Kurbelwellenriemenscheibe verwenden.
- Die Kurbelwelle oder die Nockenwelle nicht drehen, wenn der Steuerriemen/die Steuerkette ausgebaut wurde.
- Die Richtung der Kette vor dem Ausbau markieren.
- Die Kurbelwelle langsam und von Hand drehen, dabei die Steuerstellung der Nocken- und Kurbelwelle immer wieder überprüfen.
- Die Kurbelwellen und Nockenwellen dürfen nur gedreht werden, wenn der Kettenantriebsmechanismus vollständig eingebaut ist.
- Die Kurbelwelle nicht über die Nockenwelle oder andere Zahnräder drehen.
- Die Zünd- oder Glühkerze entfernen, um die Kurbelwelle einfacher drehen zu können.
- Die Synchronisation der Dieseleinspritzpumpe nach dem Kettenwechsel überprüfen.
- Alle Anzugsdrehmomente einhalten.

Anmerkung: Diese Motoren sind in den Konfigurationen SOHC und DOHC erhältlich. Das Verfahren ist jeweils sehr ähnlich. Die folgenden Punkte müssen jedoch beachtet werden:
Bei SOHC-Motoren sind nur die Werkzeuge A und C zu verwenden (Steuermarkierungen sind bereits auf der Nockenwellenscheibe vorhanden.
Bei DOHC-Motoren sind die Werkzeuge A, B und C zu verwenden. Beim Riemenaustausch darf nur die Auslassnockenwelle arretiert werden, da der Antrieb für die Einlassnockenwelle im Kopf über Übertragungszahnräder erfolgt.
Bei der Instandsetzung von DOHC-Köpfen sind alle Werkzeuge einzusetzen.

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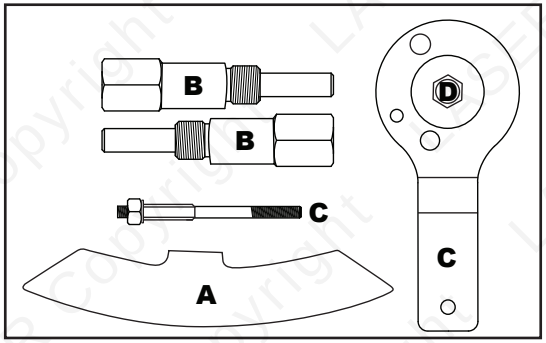
Motoreinstellwerkzeugsatz

Fiat | Alfa Romeo | Vauxhall
JTD Multijet
1.6 | 1.9 | 2.4 SOHC | DOHC

Inhalt



ID	Code	OEM-Vergleichsnummer	Beschreibung
A	C148	1.860.898.000	Schwungrad-Gegenhalter
B	C278	1.870.896.900	Nockenwellen-Ausrichtstifte (2)
C	C277	1.860.905.000 | 1.860.905.010	Kurbelwellen-Ausrichtwerkzeug
C			Fixierung für das Kurbelwellen-Ausrichtwerkzeug

Beschreibung der Werkzeuge

Vorbereitung

- Das rechte Vorderrad, die Motorabdeckung, die Motor-bodenwanne und die Radhausschale entfernen.
- Je nach Fahrzeugtyp muss ggf. der vordere Stoßfänger, der Nebenantriebsriemenspanner und der Kühler ausgebaut werden, um ausreichenden Zugang zum Bereich des Nockenwellenriemens zu erlangen.

Werkzeug A Schwungrad-Gegenhalter

Zum Fixieren des Schwungrads während des Lösens des Mittelbolzens an der Kurbelwellenscheibe. Werkzeug A wird anstelle der Schwungradzugangsplatte eingesetzt, die auf der Motorseite des Schwungradgehäuses angebracht.

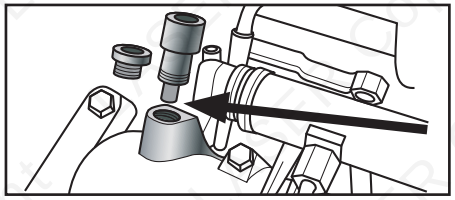
Werkzeug B Nockenwellen-Ausrichtstifte (2)

Diese Stifte sind nur bei DOHC-Motoren erforderlich. Beim Austausch des Steuerriemens ist nur ein Stift erforderlich (zum Fixieren der Auslassnockenwelle).

Wenn der Zylinderkopf ausgebaut oder instandgesetzt werden muss, müssen beide Stifte verwendet werden, um beide Nockenwellen zu fixieren.

Die Nockenwellen-Ausrichtstifte werden eingeschraubt und in einen Schlitz in den Nockenwellen eingeführt. Wenn der Schlitz nicht richtig ausgerichtet ist, lassen sich die Stifte nicht komplett einschrauben.

Den Motor in die normale Drehrichtung drehen, bis der Ausrichtstift vollständig eingeführt werden kann.



Den Verschlussstopfen an dem Nockenwellenabdeckung der Auslassnockenwelle entfernen und das Nockenwellen-Arretierwerkzeug einstecken.

Werkzeug C Kurbelwellen-Ausrichtwerkzeug

Werkzeug C wird mit den gelieferten Fixierungen verwendet, um die Kurbelwelle in einer einmal eingestellten Stellung zu arretieren, sobald die Kurbelwellenscheibe abgebaut wurde.

Anwendungen:

Marke	Modell	Füllmenge	Kraftstoff
Alfa Romeo	JTD	1.9	D
	JTDM 8V	1.9	D
	JTDM 16V	1.9	D
	JTD 16v	1.8	D
	JTD 20v	2.4	D
	JTD	2.4	D
	JTDM 20v	2.4	D
	JTS	2.0	P
	JTD 16v 4X4	1.9	D
Fiat	TD100	1.9	D
	Multijet 150	1.9	D
	JTD 16v MJ	1.9	D
	JTD 20v	2.4	D
	Multijet 120	1.9	D
	Multijet 105	1.9	D
	JTD	1.0	D
	Multijet 120	1.6	D
	TD100	1.9	D
	TD75	1.9	D
	JTD 100	1.9	D
	TD125	2.4	D
	JTD 115	1.9	D
	JTD80	1.9	D
	Multijet 140	1.9	D
	Multijet 150	1.9	D
Lancia	Multijet 120	1.6	D
	Multijet 165	2.0	D
	Multijet 190	1.9	D
	Multijet 163	2.0	D
	Multijet 115	1.6	D
	JTD	1.9 | 2.4	D
	Multijet 100	1.9	D
	Multijet 70	1.3	D
	JTD 20v	2.4	D
	Multijet 90	1.3	D
Vauxhall	CDTi	1.9	D
	CDTi Ecoflex	2.0	D
	CDTi	2.0	D
Saab	TiD	1.9	D
	TTiD	1.9	D

For full applications list please see our website www.lasertools.co.uk/5179

Warning

Incorrect or out of phase engine timing can result in damage to the valves.
The Tool Connection cannot be held responsible for any damage caused by using these tools in anyway.

Safety Precautions – Please read

- If the engine has been identified as an Interference engine, damage to the engine will occur if the timing belt has been damaged. A compresion check of all the cylinders should be taken before the cylinder head (s) are removed.
- Do not turn crankshaft or camshaft when the timing belt has been removed
- To make turning the engine easier, remove the spark plugs
- Observe all tightening torques
- Do not turn the engine using the camshaft or any other sprocket
- Disconnect the battery earth lead (Check Radio code is available)
- Do not use cleaning fluids on belts, sprockets or rollers
- Some toothed timing belts are not interchangeable. Check the replacement belt has the correct tooth profile
- Always mark the belt with the direction of running before removal
- Do not lever or force the belt onto its sprockets
- Check the ignition timing after the belt has been replaced.
- Do not use timing pins to lock the engine when slackening or tightening the crankshaft pulley bolts
- ALWAYS REFER TO A REPUTABLE MANUFACTURERS WORKSHOP MANUAL

Warning – 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.

Note: These engines are available in both SOHC and DOHC configuration. The process is very similar however, the following points should be noted:

For SOHC engines use components A and C only (timing marks are provided on the cam shaft pulley).

For DOHC engines use components A, B and C. For belt replacement, it is necessary to lock only the exhaust camshaft as the drive for the inlet camshaft is transferred in the head via transfer gears. For DOHC head rebuild use all components.

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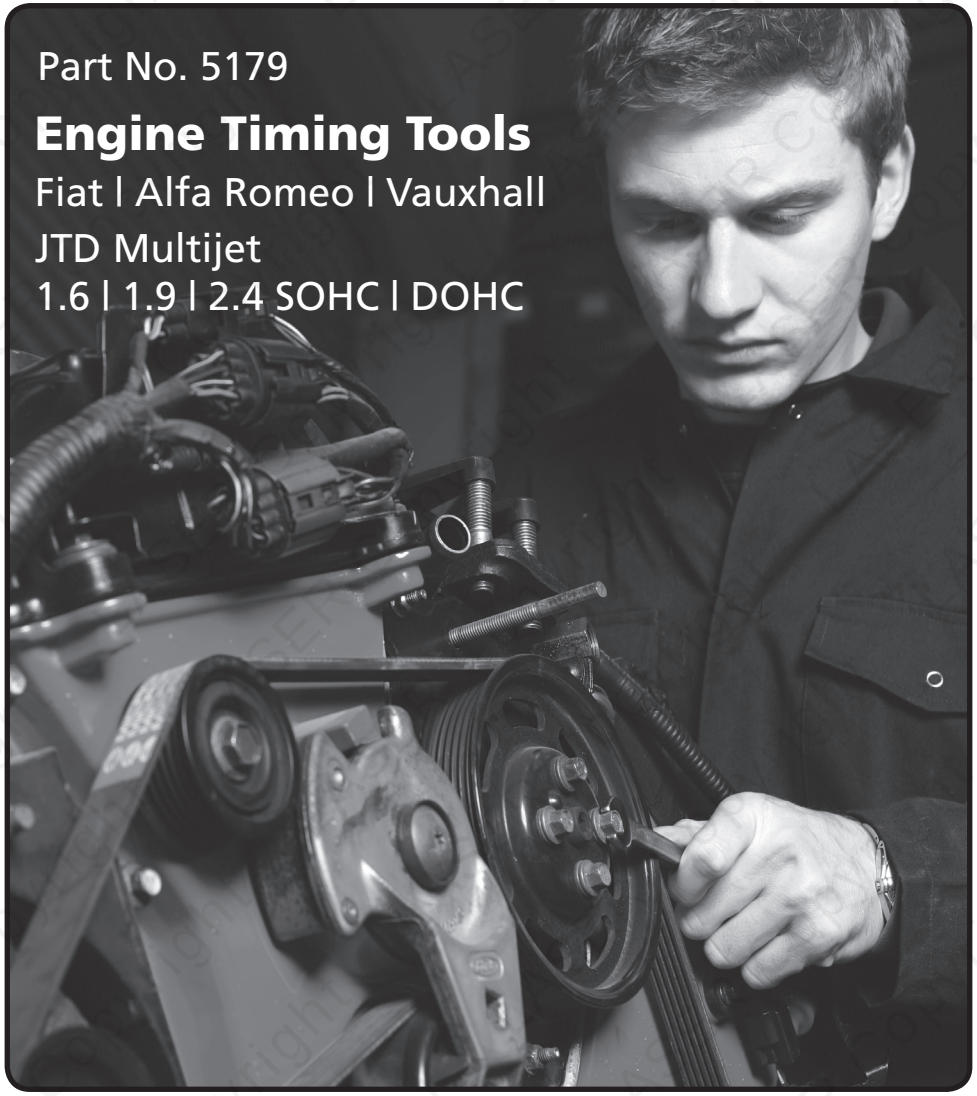

Part No. 5179

Engine Timing Tools

Fiat | Alfa Romeo | Vauxhall
JTD Multijet
1.6 | 1.9 | 2.4 SOHC | DOHC

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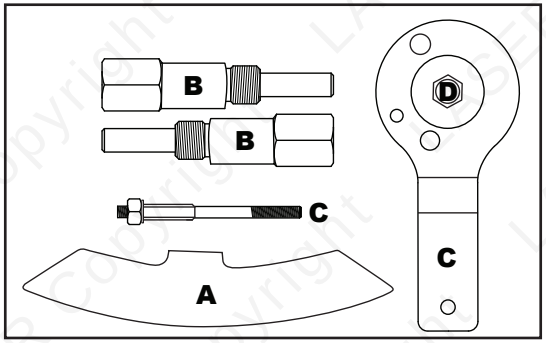
Plan Layout



ID	Code	OEM Ref	Description
A	C148	1.860.898.000	Flywheel Holding Tool
B	C278	1.870.896.900	Camshaft Alignment Pins (2)
C	C277	1.860.905.000 | 1.860.905.010	Crankshaft Alignment Tool
C			Fixing for Crankshaft Alignment Tool

Instructions

Preparation

- Remove the right hand front wheel, engine cover, engine under tray and inner wheel arch.
- Depending on the vehicle model it may be necessary to remove the front bumper, auxiliary drive belt tensioner and radiator to gain adequate access to the cam belt area.

Component Descriptions

Component A

Flywheel Holding Tool

Use to flywheel still whilst releasing the crankshaft pulley centre bolt.
Component (A) fits in place of the flywheel access plate that is fitted on the engine side of the flywheel housing.

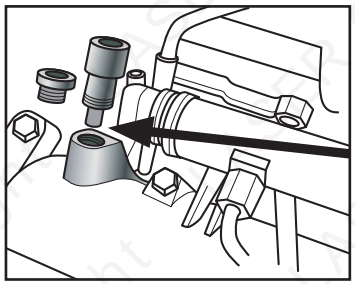
Components B

Camshaft Alignment Pins (2)

These pins are only required on the DOHC engines. For replacement of the timing belt only one pin is required (to lock the exhaust camshaft).

When head removal or rebuild is required both pins must be used to lock both camshafts.

The camshaft alignment pins are designed to screw in and locate in a slot in the camshafts. If the slot is not properly aligned the pins will not screw in fully. Rotate the crankshaft in the normal direction of rotation until the locking pin can be screwed in.



Adjusts the camshaft timing, removes and replaces the cam belt and performs complete cylinder head rebuilds whilst maintaining the correct valve timing.

Component C

Crankshaft Alignment Tool

Using the fixings supplied (C) is used to hold the crankshaft in a set position once the crankshaft pulley has been removed.

Applications

Make	Type	Size	Fuel
Alfa Romeo	JTD	1.9	D
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	JTDM 16V	1.9	D
	JTD 16v	1.8	D
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	JTD	1.9 | 2.4	D
	Multijet 100	1.9	D
	Multijet 70	1.3	D
	JTD 20v	2.4	D
	Multijet 90	1.3	D
Vauxhall	CDTi	1.9	D
	CDTi Ecoflex	2.0	D
	CDTi	2.0	D
Saab	TiD	1.9	D
	TTiD	1.9	D

For full applications list please see our website www.lasertools.co.uk/5179