

Applications

Make	Model	Year
Dacia	Duster	2010-2014
	Logan	2005-2013
	Logan II	2013-2016
	Sandero, Sandero II	2008-2016
Nissan	Cube	2009-2011
	Juke	2010-2016
	Kubistar	2003-2009
	Micra	2003-2010
	Note	2006-2013
	NV200	2009-2016
	Primera	2003-2007
	Qashqai (J10)(J11)	2007-2016
	Tiida	2007-2011
	Interstar	2002-2011
Renault	Primastar	2002-2011
	Captur	2013-2016
	Clio II	2001-2011
	Clio III	2005-2013
	Clio IV	2012-2016
	Espace/Grand Espace	1999-2002
	Espace/Grand Espace IV	2002-2009
	Fluence	2009-2015
	Kangoo	2000-2009
	Kangoo II/Be Bop	2008-2013
	Laguna I/II/III	1999-2016
	Logan/ Logan MCV	2006-2011
	Megane I/II/III	1997-2016
	Modus/Grand Modus II	2004-2013
	Scenic I/Grand Scenic II/III	1999-2016
	Twingo II	2007-2014
	Vel Satis	2000-2009
	Trafic II	2001-2012
	Master II	2000-2011
Suzuki	Grand Vitara	2005-2016
	Jimny	2003-2011
Opel/Vauxhall	Movano	2000-2010
	Vivaro	2001-2012

Engine Code	
1.5	K9K 262, K9K 266, K9K 276, K9K 292, K9K 299, K9K 430, K9K 608, K9K 609, K9K 612, K9K 636, K9K 700, K9K 702, K9K 704, K9K 706, K9K 708, K9K 710, K9K 712, K9K 714, K9K 716, K9K 718, K9K 722, K9K 724, K9K 728, K9K 729, K9K 732, K9K 734, K9K 740, K9K 750, K9K 752, K9K 760, K9K 762, K9K 764, K9K 766, K9K 768, K9K 770, K9K 772, K9K 774, K9K 780, K9K 782, K9K 790, K9K 792, K9K 794, K9K 796, K9K 800, K9K 802, K9K 804, K9K 806, K9K 808, K9K 812, K9K 816, K9K 820, K9K 830, K9K 832, K9K 834, K9K 836, K9K 837, K9K 838, K9K 842, K9K 884, K9K 892, K9K 894, K9K 896, K9K 898
1.9	F9Q 650, F9Q 664, F9Q 670, F9Q 674, F9Q 680, F9Q 690, F9Q 710, F9Q 716, F9Q 717, F9Q 718, F9Q 720, F9Q 722, F9Q 730, F9Q 731, F9Q 732, F9Q 733, F9Q 734, F9Q 736, F9Q 740, F9Q 744, F9Q 748, F9Q 750, F9Q 751, F9Q 752, F9Q 754, F9Q 755, F9Q 758, F9Q 759, F9Q 760, F9Q 762, F9Q 770, F9Q 772, F9Q 774, F9Q 780, F9Q 782, F9Q 790, F9Q 800, F9Q 803, F9Q 804, F9Q 808, F9Q 812, F9Q 814, F9Q 816, F9Q 818, F9Q 820, F9Q 826, F9Q 870, F9Q 872
2.2	G9T 600, G9T 605, G9T 606, G9T 607, G9T 642, G9T 645, G9T 702, G9T 703, G9T 706, G9T 707, G9T 710, G9T 720, G9T 722, G9T 742, G9T 743, G9T 750
2.5	G9U 630, G9U 632, G9U 650, G9U 720, G9U 724, G9U 726, G9U 730, G9U 750, G9U 754,

WWW.SONIC-EQUIPMENT.COM

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by Sonic for incorrect use of any of our products, and Sonic cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

WWW.SONIC-EQUIPMENT.COM

sonic

equipment

Instructions

Engine Timing kit

Renault/Opel/Nissan Diesel (Belt Drive)

- 1.5, 1.9, 2.2, 2.3, 2.5



WWW.SONIC-EQUIPMENT.COM

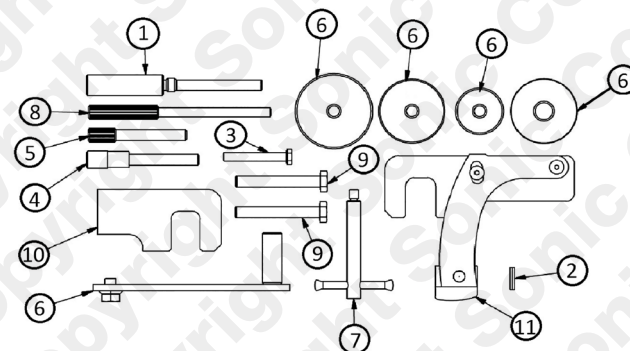
829055 - Engine Timing kit

Description:

The 829055 offers the essential engine timing tools required for the Renault belt driven DCi range of diesel engines. It includes the tools required for 1.5, 1.9, 2.2, 2.3 and 2.5 DCi diesel engines found in the Dacia, Nissan, Renault, Suzuki and Opel/Vauxhall ranges.

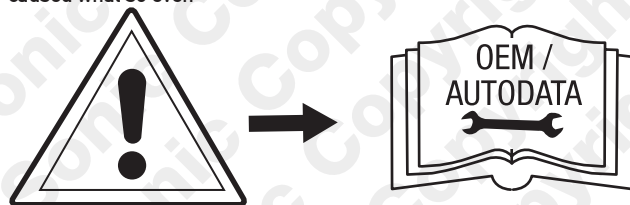
Components

Ref	Comp	OEM	Description
1	4880048	MOT 1489	1.5 dCi Crankshaft Locking Pin
2			M8 Washer for 10 & 11
3			M6 X 45 Bolt
4	4880095	MOT 1054	1.9 dCi Crankshaft Alignment Pin
5	4880096	MOT 1430	Camshaft Alignment Pin 70mm
6	4880116	MOT 1543	Tensioner Tool
7	4880174	MOT 1538	High Pressure Pump Pin
8	4880175	MOT 1536 KM6203	2.2/2.5 dCi Flywheel Alignment Pin 80mm
9			M8 X 60 Bolts X2 for 10 & 11
10	4880178	MOT 1534 KM6205	Inlet Camshaft Setting Tool
11	4880176	MOT 1537 KM6205	Exhaust Camshaft Setting Tool



Instructions

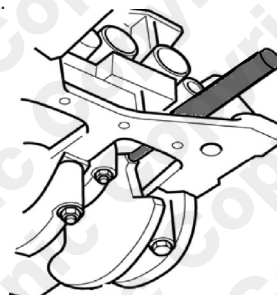
The following instructions are for guidance only. Please refer to OEM derived data such as the vehicles manufactures own data or Autodata. The use of these engine timing tools is purely down to the user's discretion and Sonic cannot be held responsible for any damage caused what so ever.



Instructions

K9K 1.5L ENGINES

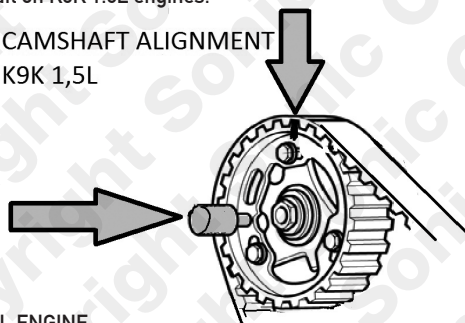
Crankshaft Locking PIN (1) use component 1 to set the alignment of the crankshaft on.



K9K ENGINE

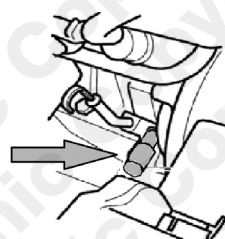
Camshaft Locking PIN (5) use component 5 to set the alignment of the camshaft on K9K 1.5L engines.

CAMSHAFT ALIGNMENT K9K 1,5L



F9Q 1.9L ENGINE

Crankshaft locking PIN (4) use component 4 to set the alignment of the crankshaft on F9Q 1.9L engines. Ensure the pin engages in to the slot in the crankshaft counter weight.



1.9 F9Q

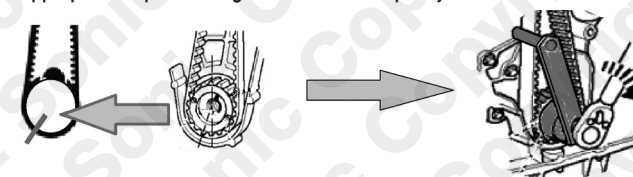
CRANKSHAFT

ALIGNMENT F9Q 1,9

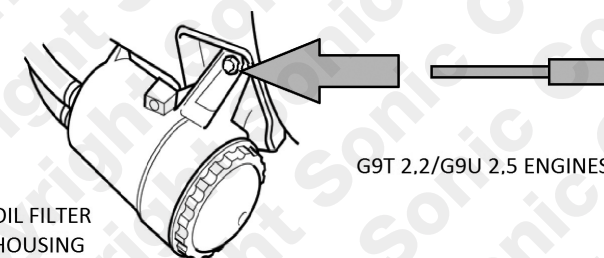
Align the camshaft and belt markings as described by manufacturer



Setting belt tension on F9Q 1.9 engines (6) use the components 6 to pre load the belt to set the tensioner using an electronic tension gauge. Use appropriate cup according to crankshaft the pulley used.



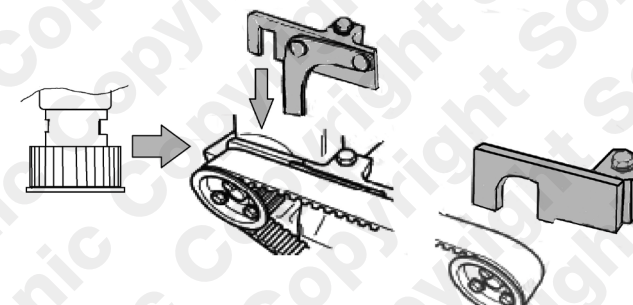
Crankshaft locking PIN (8) use component 8 to set the alignment of the crankshaft on the G9T 2.2L and G9U 2.5L engines.



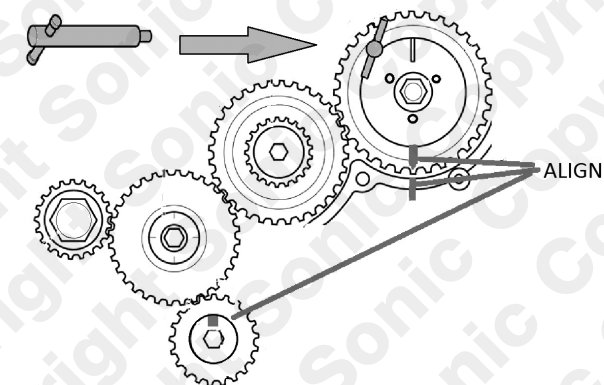
G9T 2.2/G9U 2.5 ENGINES

OIL FILTER
HOUSING

Camshaft locking tools (10 & 11) use component 10 & 11 to set the alignment of the camshafts on the G9T 2.2L and G9U 2.5L engines.



Fuel Pump Alignment tool (7) use component 7 to set the alignment of the fuel pump sprocket on the G9T 2.2L and G9U 2.5L engines.



ALIGN