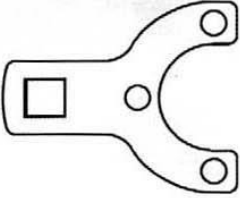
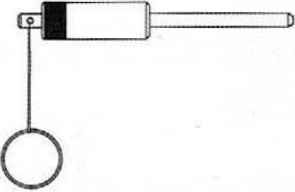
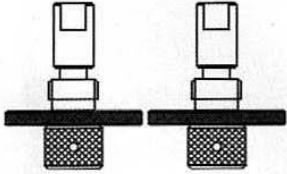
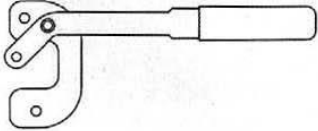
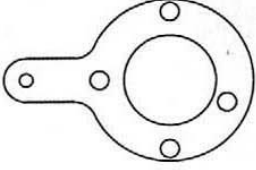
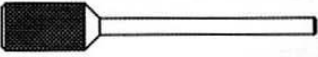
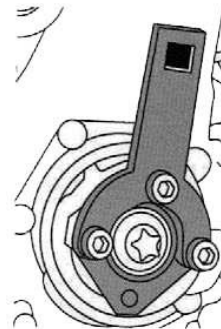


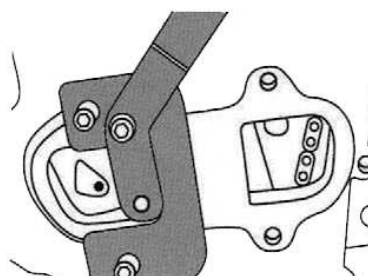
Specifications:

Description	OEM
A Crankshaft gearwheel counter support key. 	Fiat 1 871 000 200 Ford 303 1469 Opel KM-662-C
B Crankshaft timing tool. 	Opel EN 46785 Opel KM 955 Suzuki 09912-37300
C Camshaft timing tool. 	Fiat 1 871 000 900 Fiat 1 860 985 000 Ford 303-1472 Opel EN 46781 Suzuki 09917-68610
D Belt tension lever. 	Fiat 1 870 900 400
E Crankshaft locking tool. 	Fiat 1 870 900 300 Ford 303-1468
F Crankshaft timing tool 	Fiat 8 mm

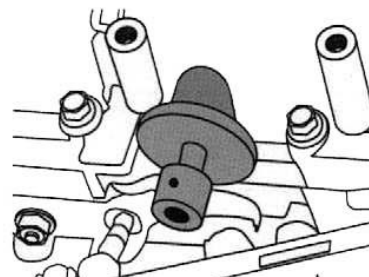
A Use this tool to keep the crank shaft pulley flange fixed when you unscrew the centre part of the pulley flange (left-hand thread). To access the pulley flange, you must first extract the pulley by removing the 4 external fasteners. NOTE: Do not remove the support centre from the pulley flange until the camshaft and crank synchronisation pins have been fitted. Do not attempt to loosen or tighten the pulley support centre by holding the flange with the flange tool, as this will damage the crankshaft and camshaft tools.



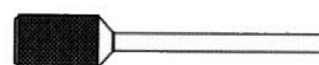
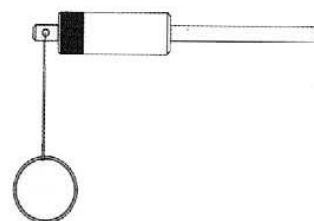
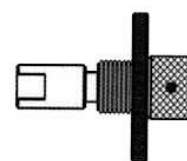
D The timing belt tensioning tool is used to lock the belt when replacing the head gasket of a part. The tool is inserted and aligned with the control opening in the engine control cover, so that the pin acts on the ribs of the belt slider. Pull the belt tensioner plunger back to the locked position using the lever. Check that the tensioning tool is fully extended before attempting to remove it.



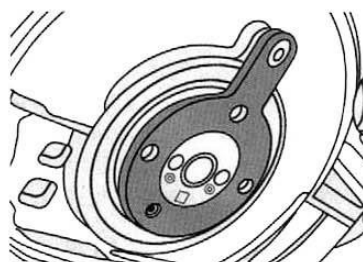
C Deux outils de blocage de l'arbre à cames sont utilisés pour les bloquer dans la bonne position. Pour installer les outils de blocage de l'arbre à cames, vous devez d'abord accéder aux bouchons, l'un situé à l'avant et l'autre à l'arrière du cache du vilebrequin. Pour accéder à la pompe à carburant haute pression, il faudra écarter le câblage du moteur. Retirez les bouchons et serrez les outils de blocage à la bonne place avec les faces de la section intérieure des outils en position horizontale. Les outils sont considérés comme correctement installés lorsque la section intérieure des outils peut être facilement enfoncée vers l'intérieur sous la pression d'un doigt. NB: Ces outils se destinent à déterminer la position de l'arbre à cames; n'essayez pas de desserrer ou de serrer un quelconque accessoire de fixation sur l'arbre à cames à l'aide de ces outils pour bloquer l'arbre à cames, vous risqueriez de les endommager.



B/F Components B and F (depending on the application) B = GM/Suzuki; F = 8 mm: Fiat; These components are flywheel locking tools. Use these tools to lock the position of the flywheel to ensure that the camshaft is in the correct position. N.B.: Do not attempt to loosen or tighten any camshaft fastening accessories using these tools to lock the camshaft, as this could damage them.



E This tool is used to set the control position of the camshaft (flywheel end) when the engine has been removed (when a complete engine repair is required). The tool is attached to the camshaft using the three fittings at the flywheel location. Always follow the vehicle manufacturer's instructions.



Manufacturer	Model, motor capacity, motor code	Year
Fiat	Punto 1.3 JTD Multi-jet 188A9.000 Panda 1.3 JTD Multi-jet 169A1.000 & 188A8.000 Idea 1.3 JTD Multi-jet 199A3.000 & 188 A9.000 Doblo 1.3 JTD Multi-Jet 188A9.000 Doblo Cargo 1.3 JTD 188A9.000	2003-2007 2003-2009 2004-2006 2004-2006 2004-2006
Opel (Vauxhall)	Agila 1.3 CDTi Z13DT Corsa C 1.3 CDTi Z13 DT Combo C 1.3 CDTi Z13DT Corsa D 1.3 CDTi Z13DTH & Z13DTJ Astra H 1.3 CDTi Z13DTH Tigra B 1.3 CDTi Z13DT Meriva 1.3 CDTi Z13DT & Z13DTJ	2003-2008 2003-2007 2003-2009 2006-2009 2004-2009 2004-2009 2004-2009
Suzuki	Ignis 1.3 CDTi Z13DT Wagon 1.3 CDTi Z13DT Swift 1.3 CDTi Z13DT	2003-200 2003-2009 2003-2010
Ford	KA 1.3 TDCi	