Applications

Make	Model	Year	Type
Chrysler	Ypsilon	2011–2015	MultiJet 75
Fiat	500/500C	2007–2016	MultiJet 75 MultiJet 80 MultiJet 85 MultiJet 90 MultiJet 95 JTD MultiJet MultiJet II
	500L	2012–2016	
	500X	2015–2016	
	Doblo	2004–2015	
	Doblo Cargo	2004–2016	
	Dobleo Work Up	2011–2016	
	Fiorino	2008–2016	
	Grande Punto	2007–2012	
	Idea	2004–2012	
	Linea	2013–2016	
	Panda	2012–2015	
	Panda/Panda Classic	2003–2013	
	Punto	2012–2016	
	Punto Evo	2009–2012	
	Qubo	2008–2016	
	Strada Pick-up	2006–2016	
Alfa Romeo	MiTo	2008–2016	JTDM JTDM-2
Ford	Ka	2008–2015	TDCi
Lancia	Musa Ypsilon	2004–2013 2003–2015	Multijet Multijet 70 MultiJet 75 MultiJet 90 MultiJet 95 MultiJet 105 JTD
Opel/Vauxhall	Agila	2003–2008	CDTi CDTi ecoFLEX
	Agila-B	2008–2010	
	Astra-H	2004–2012	
	Astra-J	2009–2015	
	Combo-C	2003–2012	
	Combo-D	2012–2016	
	Corsa-C	2003–2007	
	Corsa-D	2007–2014	
	Meriva-A	2003–2010	
	Tigra-B	2004–2010	
	Zafira-B/Zafira Family	2006–2010	

Engine Code

Chrysler	199B1.000
Fiat	169A1.000, 169A5.000, 188A8.000, 188A9.000, 199A2.000, 199A3.000, 199A9.000, 199B2.000, 199B4.000, 199B8.000, 223A9.000, 225A2.000, 263A2.000, 263A6.000, 312A8.000, 330A1.000
Alfa Romeo	199A3.000, 199B1.000, 199B4.000
Ford	169A1.000 , (FD4) / BAAA/B, BBAB
Lancia	188A9.000, 199A2.000, 199A3.000, 199A9.000, 199B1.000, 843A2.000
Vauxhall/Opel	A13DTC, A13DTE, A13DTR, D13A, LN9 (263A2.000), LN9/A13FD, LSF/A13DTC, LSF/A13DTE, Y13DT, Z13DT, Z13DTE, Z13DTH, Z13DTI, Z13DTJ, Z13DTR

SONIC
equipment

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.

Instructions

Camshaft Holding Tool
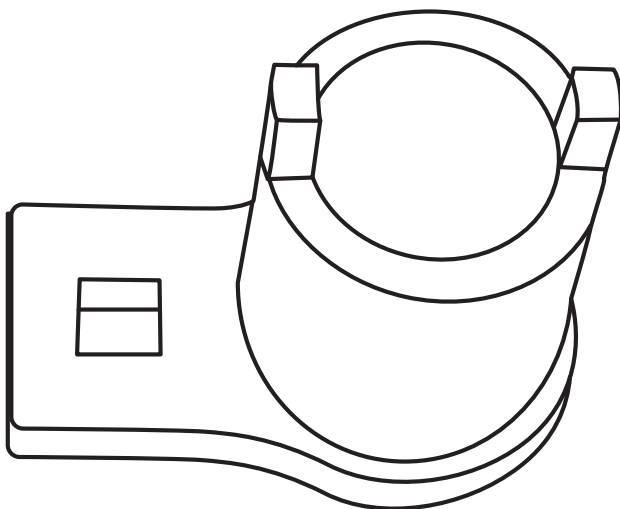## Fiat/Ford/Opel Diesel JTD - 1.3

829088 - Camshaft Holding Tool

Description:
The 829088 camshaft pulley holding tool has been designed to allow the user to loosen and tighten the camshaft pulley fixings without moving the camshafts or causing damage to any timing tools that may be fitted. Conveniently designed to allow the use of a ½ drive wrench the 829088 combines the double headed OEM tool into one single tool.

Components

Ref	Comp	OEM		Description
1	829088	1 871 008 600	303-1475	Camshaft Gear Holding 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.