

**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

- 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



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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: +44 (0) 1926 816106. Normal wear and tear are excluded as are consumable items and abuse.

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LASER®

Part No. 4083

Engine Timing Tools

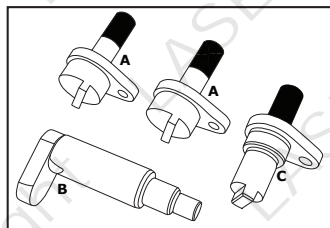
Volkswagen | Audi Group

1.2 | 3 Cyl. - 6v | 12v



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Plan Layout



Ref	Code	Oem Ref.	Description
A	C291	T10123	Camshaft aligning tool (2) 12v
B	C292	T10121	Crankshaft locking tool 6v I 12v
C	C293	T10120	Camshaft aligning tool 6v

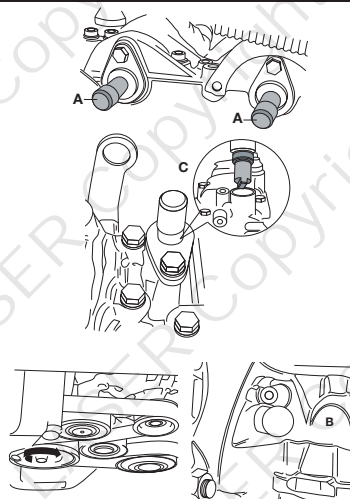
Instruction

Use Camshaft Alignment Tools (A) for 12v engines and tool (C) for 6v engine.

The slot in the end of the camshaft must be aligned horizontally, but if the Camshaft Tool (A) cannot be fitted it may be necessary to rotate the engine 360°

The Crankshaft Alignment Pin enables the crankshaft to be locked in the correct timing position on both types of engine.

The Crankshaft may require to be rotated using the pulley centre-bolt until the slots in the camshaft are positioned horizontally and the Crankshaft Pin (B) can be correctly inserted into the slot in the crankshaft, it may be necessary to turn the crankshaft 360°



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Applications

The application list for this product has been compiled cross referencing the OEM Tool Code with the Component Code.

In most cases the tools are specific to this type of engine and are necessary for Cam belt or chain maintenance.

If the engine has been identified as an interference engine valve to piston damage will occur if the engine is run with a broken Cam belt.

A compression check of all cylinders should be performed before removing the cylinder head.

Always consult a suitable work shop manual before attempting to change the Cam belt or Chain.

The use of these engine timing tools is purely down to the user's discretion and Tool Connection cannot be held responsible for any damage caused what so ever.

ALWAYS USE A REPUTABLE WORKSHOP MANUAL

Manufacturer	Model	Style	Engine Code	Year
Seat	Ibiza	1.2 – 6v I 3 cyl	AWY I BMD	2002-
Skoda	Fabia	1.2 – 6v I 3 cyl (55bhp)	AWY I BMD	2003-
	Fabia	1.2 – 12v I 3 cyl (65 bhp)	AZQ I BME	2003-
Volkswagen	Polo	1.2 - 6v I 3 cyl (55bhp)	AWY I BMD	2002-
	Polo	1.2 – 12v I 3 cyl (65 bhp)	AZQ I BME	2002-

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