

***Kamasa-TOOLS***®

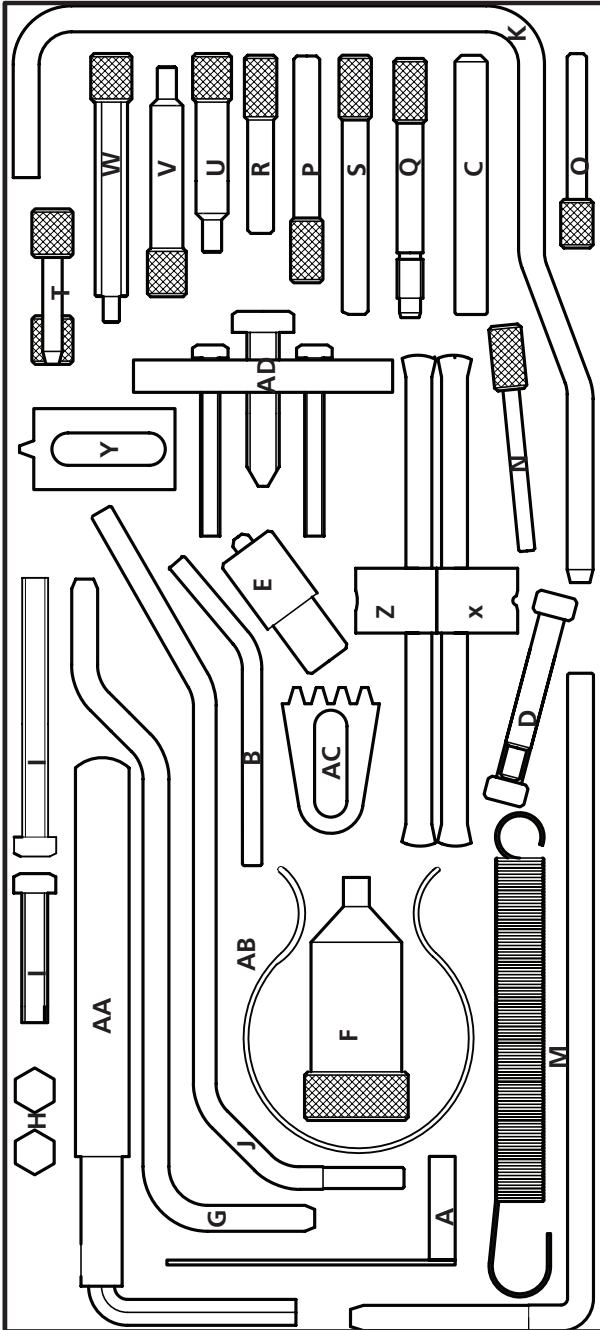
Engine  
timing tools

Citroën  
Peugeot


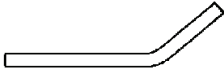
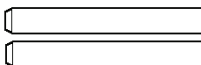
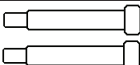


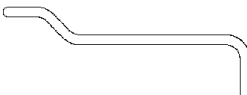


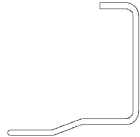


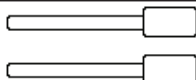
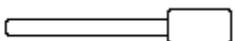
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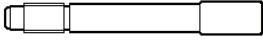
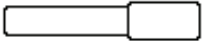
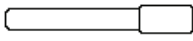


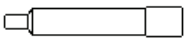
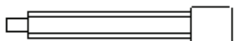
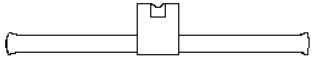
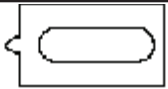
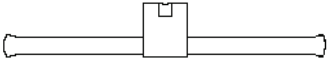
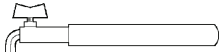
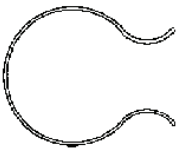
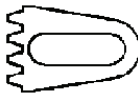

# Plan Layout



## Component Identification

Part No	OEM Ref	Description	Identification
<b>A</b> 23053	0132-X 0132-X1Z 4507-TJ 9767.89	Tensioning Tool	
<b>B</b> 23055-01	0132-Q 5711-TA	Crankshaft Timing Pin 6mm	
<b>C</b> 23055-02	0132-R 4507-TB 9767.27	Camshaft/Crankshaft Timing Pins (2)	
<b>D</b> 23055-03	7014-TM	Camshaft Timing Pins (2)	
<b>E</b> 23055-05	0132-QZ 4507-TA	Flywheel Timing Pin	
<b>F</b> 23055-06	0189-C	Flywheel Locking Pin	
<b>G</b> 23061-02	0153-G, 0153-N 0188-D 7004-TG	Cranked Setting Pin 8mm	
<b>H-I</b> 23061-05		M8 x 35mm Locking Screw	
<b>J</b> 23061-06	7017-TR	M8 x 40mm Locking Screw	
<b>K</b> 23061-07	0153-N 0188-D, 0188-Y 0288-D 7099-TM	Flywheel Timing Pin 7mm	
<b>L</b> 23061-09	0188-X	M8 x 70mm Setscrew	
<b>M</b> 23061-11	0118-X	Flywheel Setting Pin with Spring	
<b>N</b> 23069-04	0132-AB 4527-T-S2 5711-TD	Camshaft Locking Pin	
<b>O</b> 23069-07	0188-H	Timing Pump Locking Pin	

# Component Identification

Part No	OEM Ref	Description	Identification
<b>P</b> 23069-25	0189-B	Camshaft/Crankshaft Timing Pin	
<b>Q</b> 23069-31	4527-T-S1	Injection Pump Timing Pin	
<b>R</b> 23069-32	0132.AJ1 4533-TAC1	Camshaft Timing Pin (CA1)	
<b>S</b> 23069-33	0132.AJ2 0188-M 4533-TAC2	Camshaft Timing Pin (CA2)	
<b>T</b> 23069-34	5711-TC 9041-TZ	Camshaft Timing Pins (2)	
<b>U</b> 23069-36	0189-A	Camshaft Timing Pin	
<b>V</b> 23069-37	0189-AZ	Camshaft Timing Pin	
<b>W</b> 23069-38	0189-L	Inlet Camshaft Timing Pin (VTC)	
<b>X</b> 23069-44	0178-E 0188-J/J1 5711-TE	Tensioning Lever	
<b>Y</b> 23069-46	0134-AF 0188-F 9044-T	Flywheel Locking Tool	
<b>Z</b> 23069-49	0188-J2	Tensioning Lever Hdi	
<b>AA</b> 23069-51	7017-TW	Tension Wrench 8mm Hex	
<b>AB</b> 23069-53	0132.AK 0153-AK 0187-J 0188-K 0189-K 4533-TAD	Timing Belt Retaining Clip	
<b>AC</b> 23111-02	D.86 0153-A 6012-T 9765-54 9044-	Flywheel Locking Tool	
<b>AD</b> 23069-57	0188-P/P2 7015-T	Flywheel Pulley Puller	

## Application

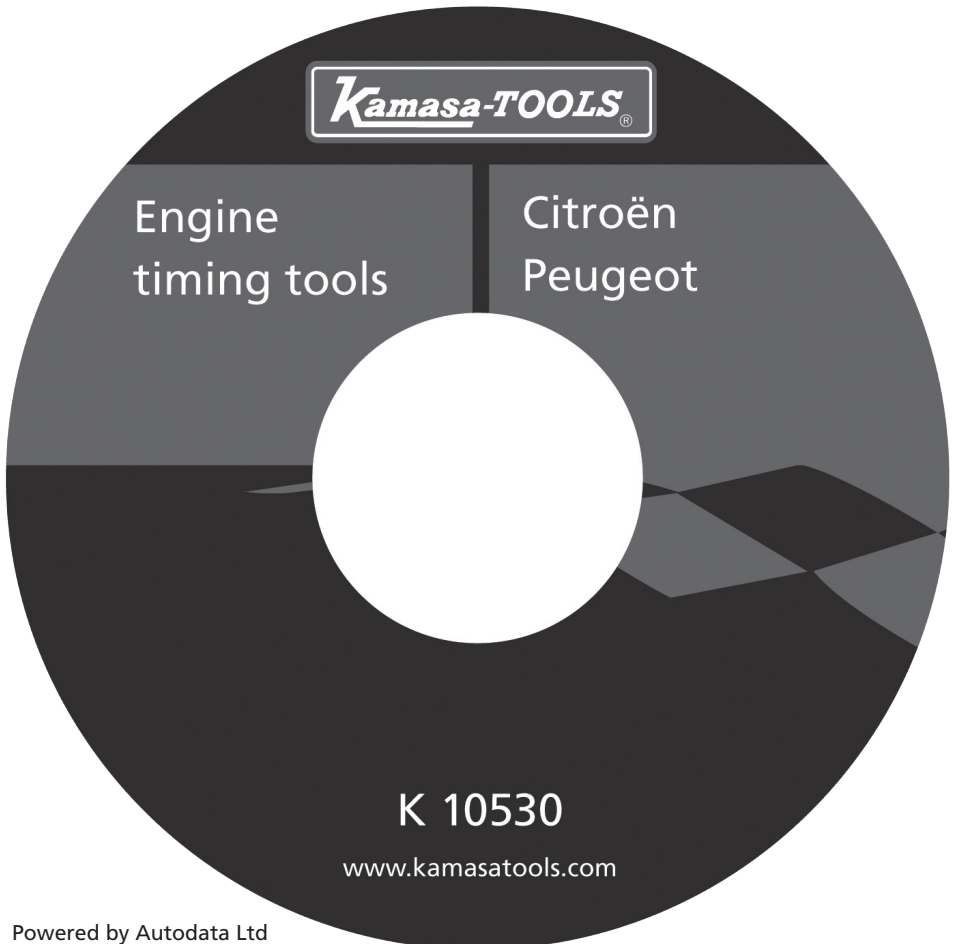
This comprehensive timing tool kit has been compiled to cover a large number of engines and often suitable for different manufactures.

The CD has been supplied giving guidance on the many manufactures vehicles this kit covers.

More specific kits are available where manufacturers' have introduced modified engines.

The data on the CD has been supplied under licence from Autodata Limited.

Supplied in Excel format the data can easily be filtered to select the exact model you require. (Data-Filter-AutoFilter)



# Engine Timing Tools

## Citroën | Peugeot

This comprehensive set of tools enables the correct engine timing to be made when replacing the timing belt. Suitable for use on the most recent engines with either HPi (Petrol) or HDi (Diesel) engines. Full application list and OEM codes are included.

### **Safety Precautions**

- If the engine has been identified as an Interference engine, damage to the engine will occur if the timing belt has been damaged. A compression 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.**

## Component Application

### Camshaft and Injection Pump Pulley Timing Pins

There are over ten different sized pins included in this set.

These are generally used to lock the correct timing position by being inserted through the camshaft sprocket into a matching hole in the cylinder head.

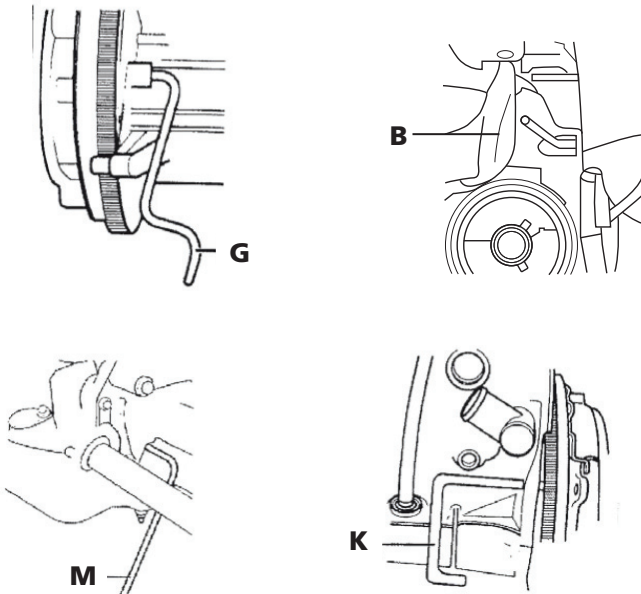


### Crankshaft Timing Pins

There are five different pieces included in this set.

As with the camshaft timing pin, they are inserted through the engine block and used to position the crankshaft to achieve the correct timing position of the first cylinder.

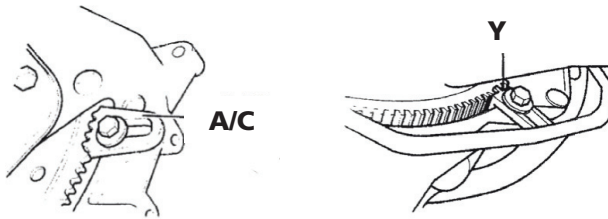
It is important that these pieces are used to set the timing position, but are not to be used to lock the flywheel when loosening the pulley fasteners.





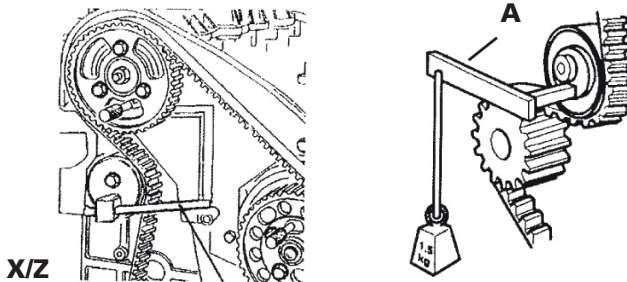
## Flywheel Locking Tools

There are four different pieces included in this set, and are used to lock the crankshaft whilst unfastening and re-tightening the flywheel pulley bolt.



## Tensioning Tools

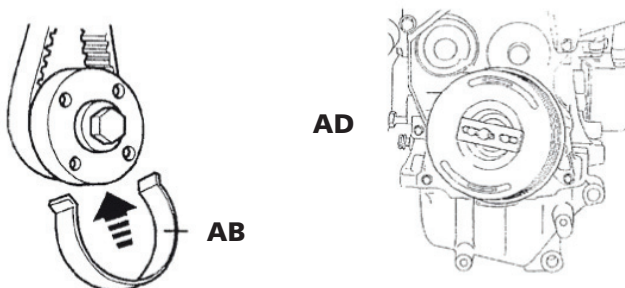
There are four types in this set, which enable the correct tension to be applied to the timing belt.



## Miscellaneous Tools

The Belt Retaining Clip is used when the fitting sequence starts at the bottom pulley and prevents the belt slipping off.

The Crankshaft Pulley Remover is essential on HDi engines.





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