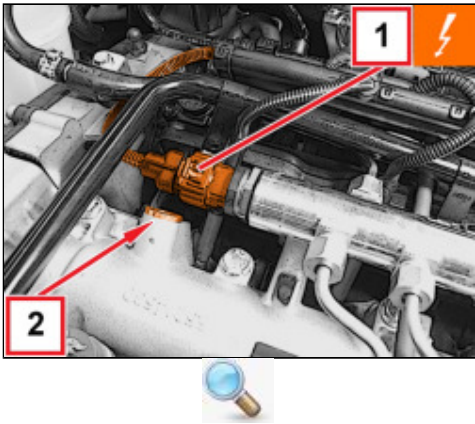


 Removing ([Refitting](#) )

- Place the vehicle on a lift.
 - [Op. 4450B04 RIGHT FRONT WHEEL - R.R.](#)
 - [Op. 1016A10 SOUND-PROOFING COVER - R.R](#)
 - [Op. 7055B54 PROTECTION/GUARD UNDER ENGINE -R.R.](#)
 - [Op. 7055B66 ENGINE COMPARTMENT DUST COVER IN RIGHT FRONT WHEEL ARCH - R.R.](#)
 - [Op. 1092G10 AUXILIARY COMPONENTS SINGLE DRIVE BELT - R.R.](#)
 - [Op. 1092A10 SERVICE PULLEY ON CRANKSHAFT - R.R.](#)
 - [Op. 1092G15 ENGINE COMPONENT SINGLE BELT MOVING TENSIONER - R.R. WITH BELT REMOVED](#)
 - [Op. 1092G20 ENGINE COMPONENT SINGLE BELT FIXED TENSIONER - R + R](#)
 - [Op. 1008B10 POWER UNIT FRONT SUPPORT FLEXIBLE MOUNTING \(TIMING SIDE\) - REPLACE](#)
 - [Op. 1032D12 TIMING SYSTEM PROTECTIVE COVER\(S\) - R + R](#)
 - [Op. 1008A46 TIMING SIDE POWER UNIT RIGID SUPPORT - R.R.](#)
- Remove the flywheel locking tool to undo the service pulley fastening screws on the crankshaft.
- Disconnect the battery negative terminal.

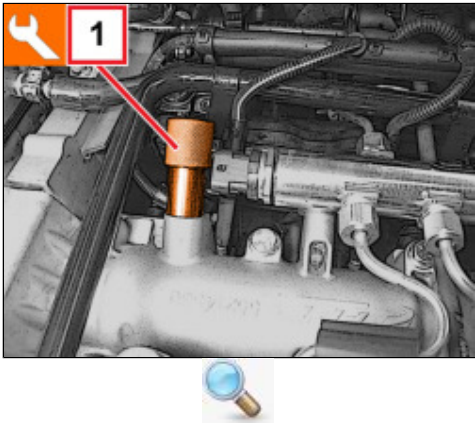
	Description	Connector
-	BATTERY	See A001 BATTERY

1. Disconnect the electrical connection for the fuel pressure sensor.



	Description	Connector
1	Fuel pressure sensor	See K083 FUEL PRESSURE SENSOR

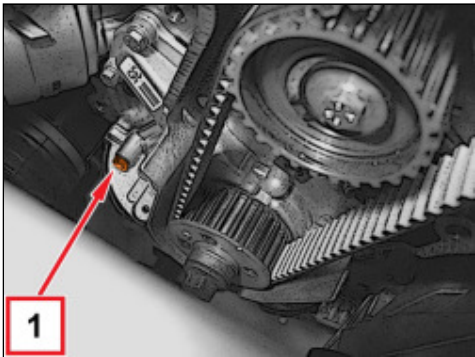
2. Remove the threaded plug from the camshaft housing for the timing template.



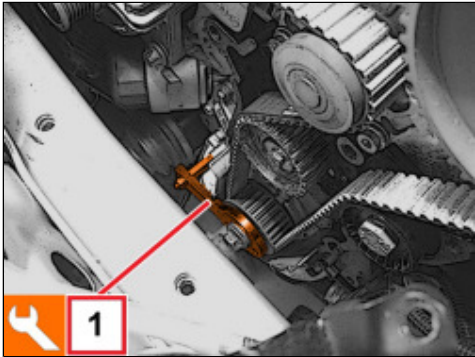
1. Fit the camshaft timing tool, intake side.

 Check that the tool is correctly inserted in the housing in the inlet side camshaft, rotating the crankshaft until the pin for the tool can be heard engaging correctly in the housing in the camshaft.

Tool	Description	Function	Validity
1870896900	Dime	Messa in fase motore	1.6 JTDM



1. Undo the right lower screw for the engine block front cover.



1. Fit the crankshaft timing tool temporarily to check the crankshaft timing.

 The crankshaft must be rotated, with small movements, to allow the locating dowel on the timing control toothed belt pulley to be inserted in the opening in the tool.

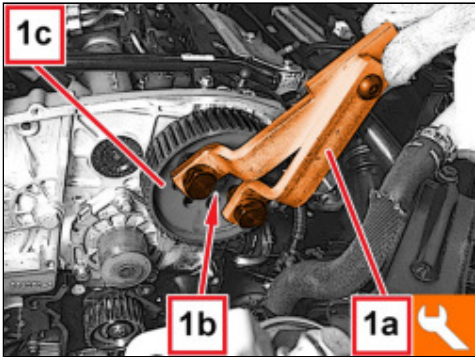
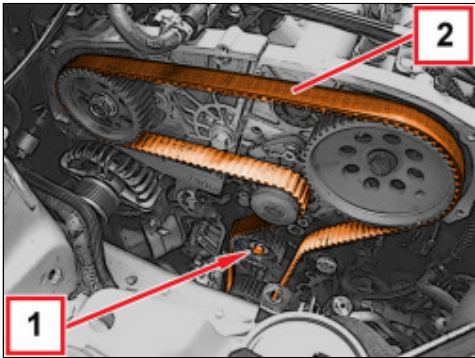
Tool	Description	Function	Validity
2000003000	Dima	Messa in fase motore	1.6 JTDM



- Remove the crankshaft timing tool.

1. Loosen the screw retaining the timing control belt moving tensioner.

2. Release and remove the toothed timing drive belt.



 Refitting ([Removing](#) )

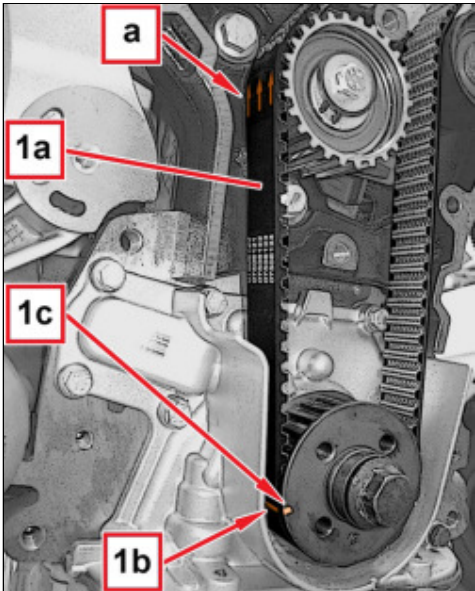
1. With the tools (1a), loosen the driven toothed pulley (1c) fixing screw (1b).

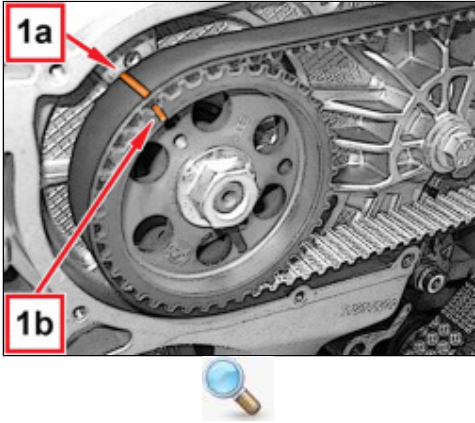
Tool	Description	Function	Validity
1870815000	Anticoppia	Svitare/serrare vite fissaggio puleggia dentata condotta distribuzione	1.6 JTDM
Tool	Description	Function	Validity
1870836000	Pioli	Svitare/serrare vite fissaggio puleggia dentata condotta distribuzione	1.6 JTDM

 With timed crankshaft, assembly the timing control toothed belt as described below.

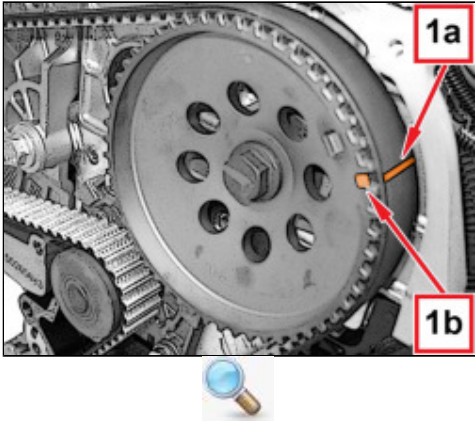
1. Fit the toothed timing drive belt (1a) completely on the drive toothed pulley, taking care to ensure that the yellow reference (1c) on it is aligned with the notch (1b).

 The yellow reference (1c) on timing control toothed belt is next to the two yellow arrows (a).





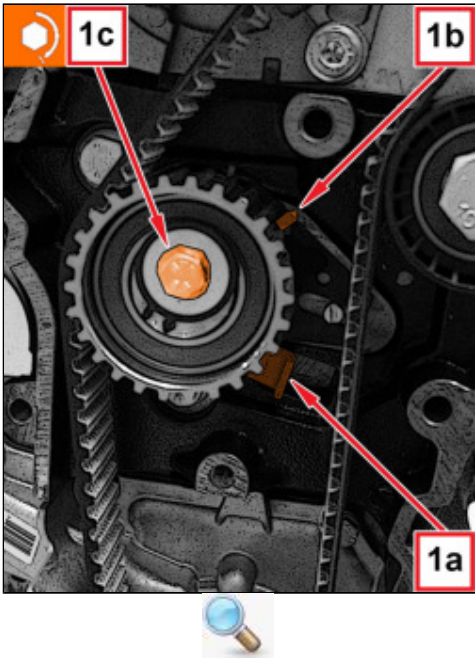
1. Fit the timing control toothed belt on the pressure pump gear, making sure the yellow reference (1a) is aligned with the notch (1b).



1. Fully fit the timing control toothed belt on the driven gear, making sure the yellow reference (1a) is aligned with the notch (1b).

- Fit the crankshaft timing tool.

Tool	Description	Function	Validity
2000003000	Dima	Messa in fase motore	1.6 JTDM



1. Lever with a screwdriver on the spring (1a) until the reference for tensioner (1b) is in the maximum tension position. Then tighten the screw (1c) to the prescribed torque.

Component	Fastening	Ø	Value (daNm)	Validity
Timing control moving tensioner	Screw	M8	2.3 ÷ 2.8	1.6 JTDM

- Remove the timing tools.

Tool	Description	Function	Validity
1870896900	Dime	Messa in fase motore	1.6 JTDM
Tool	Description	Function	Validity
2000003000	Dima	Messa in fase motore	1.6 JTDM

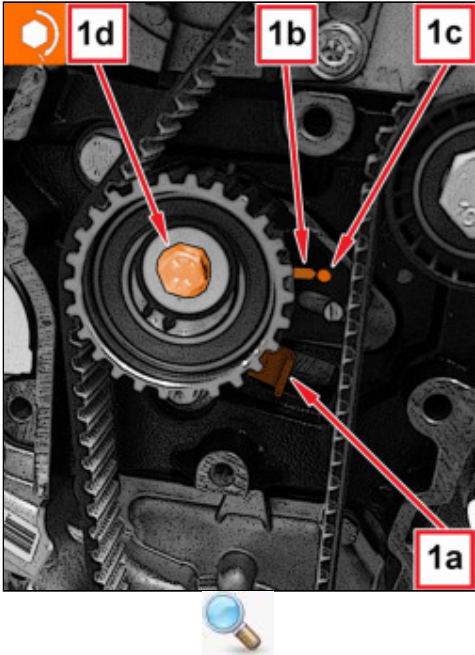
- Tighten the driven toothed pulley screw to the prescribed torque.

Component	Fastening	Ø	Value (daNm)	Validity
Driven timing toothed pulley	Screw	M12	2.8 ÷ 3.1 + 40°	1.6 JTDM

- Turn the crankshaft through two revolutions to settle the timing control toothed belt.

- Loosen the screw retaining the timing belt moving tensioner.

1. Lever up spring (1a) with a screwdriver until the pointer of tensioner (1b) is aligned with hole (1c) and then tighten bolt (1d) to the specified torque.



Component	Fastening	Ø	Value (daNm)	Validity
Timing control moving tensioner	Screw	M8	2.3 ÷ 2.8	1.6 JTDM

- Turn the crankshaft through two revolutions to settle the timing control toothed belt.

- Recheck the engine timing by refitting the timing tools.

- Remove the timing tools.

- Tighten to the prescribed torque the new lower right screw of the engine block front cover.

Component	Fastening	Ø	Value (daNm)	Validity
Crankshaft oil seal front cover	Screw (to be replaced)	M6	0.8 ÷ 1.0	1.6 JTDM

- Fit the threaded plug with a new O-ring on the camshaft housing for timing template and tighten it to the prescribed torque.

Component	Fastening	Ø	Value (daNm)	Validity
Camshaft housing	Plug	M16	1.3 ÷ 1.6	1.6 JTDM

- Connect the electrical connection for the fuel pressure sensor.

- Connect the battery negative terminal.

	Description	Connector
-	BATTERY	See A001 BATTERY

[Op. 1008A46 TIMING SIDE POWER UNIT RIGID SUPPORT - R.R.](#)

[Op. 1032D12 TIMING SYSTEM PROTECTIVE COVER\(S\) - R + R](#)

[Op. 1008B10 POWER UNIT FRONT SUPPORT FLEXIBLE MOUNTING \(TIMING SIDE\) - REPLACE](#)

[Op. 1092G20 ENGINE COMPONENT SINGLE BELT FIXED TENSIONER - R + R](#)

[Op. 1092G15 ENGINE COMPONENT SINGLE BELT MOVING TENSIONER - R.R. WITH BELT REMOVED](#)

[Op. 1092A10 SERVICE PULLEY ON CRANKSHAFT - R.R.](#)

[Op. 1092G10 AUXILIARY COMPONENTS SINGLE DRIVE BELT - R.R.](#)

[Op. 7055B66 ENGINE COMPARTMENT DUST COVER IN RIGHT FRONT WHEEL ARCH - R.R.](#)

[Op. 7055B54 PROTECTION/GUARD UNDER ENGINE -R.R.](#)

[Op. 1016A10 SOUND-PROOFING COVER - R.R](#)

[Op. 4450B04 RIGHT FRONT WHEEL - R.R.](#)

- Remove the vehicle from the lift.