

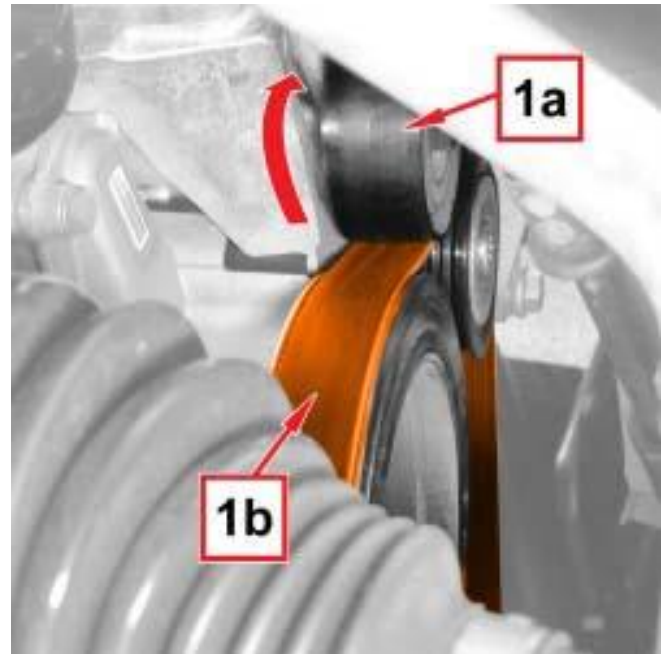
07 - Cooling / Accessory Drive / BELT, Serpentine / Removal and Installation

AUXILIARY COMPONENTS SINGLE DRIVE BELT

REMOVAL

1. Raise and support the vehicle. ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the right rear wheel.
3. Remove the protection/guard under engine. ([Refer to 13 - Frame and Bumpers/Under Body Protection/SIELD/Removal and Installation](#)).

4. Rotate the moving tensioner (1a), in the direction shown by the arrow, and remove the engine accessory drive belt (1b) from its housing.



INSTALLATION

1. Check that the belt is not worn or damaged.
2. If prescribed by the Scheduled Servicing Plan, replace the belt with a new one.
3. Release the moving tensioner and fit a locking pin.
4. Fit the engine accessory drive belt.
5. Work on the moving tensioner to remove the locking pin.
6. Install the protection/guard under engine. ([Refer to 13 - Frame and Bumpers/Under Body Protection/SIELD/Removal and Installation](#)).
7. Install the right rear wheel.
8. Remove the car from the lift.

13 - Frame and Bumpers / Under Body Protection / BELLY PAN, Rear / Removal and Installation

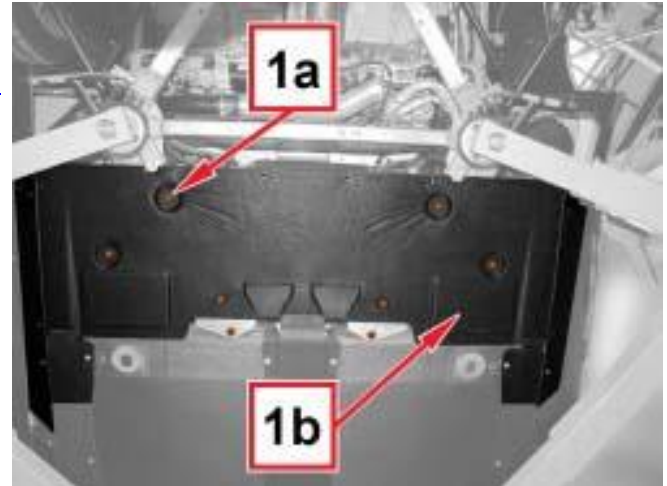
Removal and Installation

REMOVAL

1. Raise and support the vehicle. ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#))
2. Undo the fixing screws (1a) and remove the rear aerodynamic guard (1b).

INSTALLATION

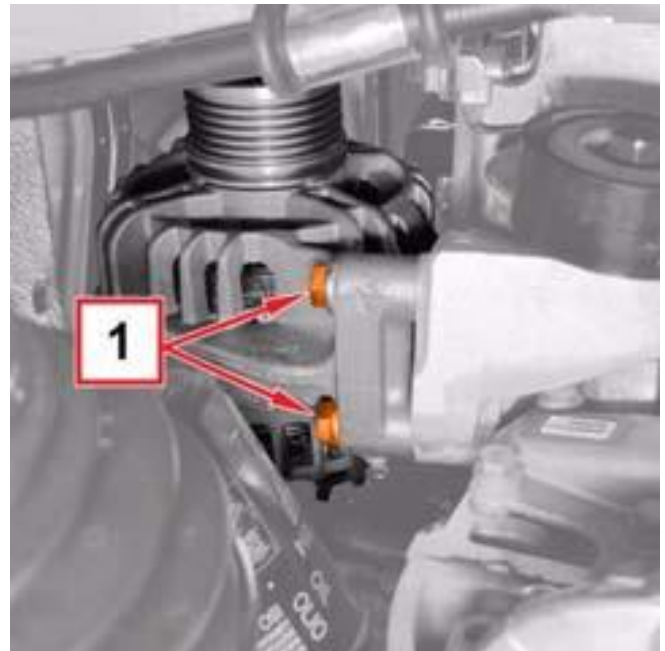
1. Reposition the rear aerodynamic guard and tighten the fixing screws.
2. Remove the support and lower the vehicle.



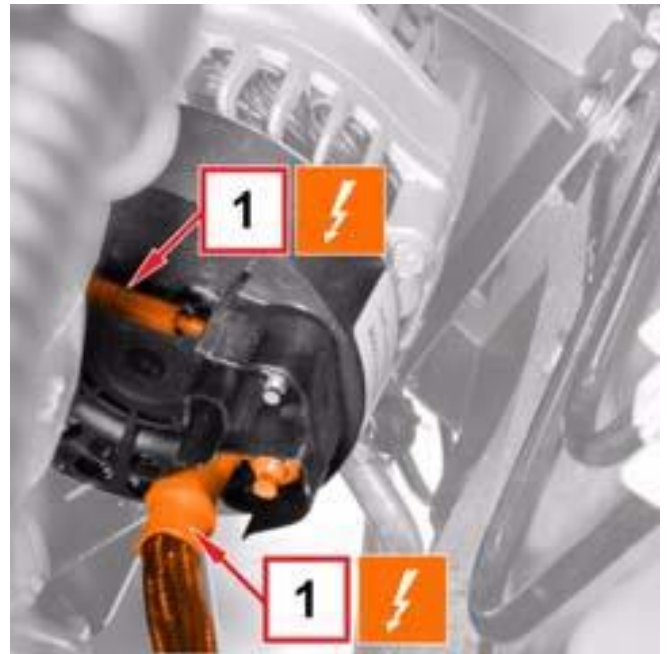
ALTERNATOR REMOVAL AND INSTALLATION

1. Disconnect the negative battery terminal.
2. Remove the engine cover. ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).
3. Remove the right rear wheel.
4. Remove the belly pan. ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
5. Remove the single drive belt. ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).
6. Remove the alternator guard. ([Refer to 08 - Electrical/Charging/GAURD, Generator/Removal and Installation](#)).

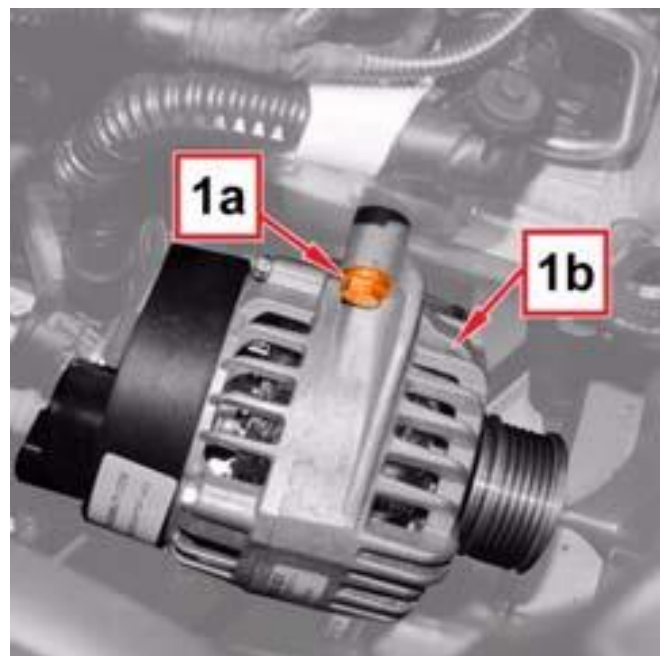
7. Loosen the lower alternator fixing screws.



- Undo the relevant fixing nuts and disconnect both the electrical connections for the alternator.



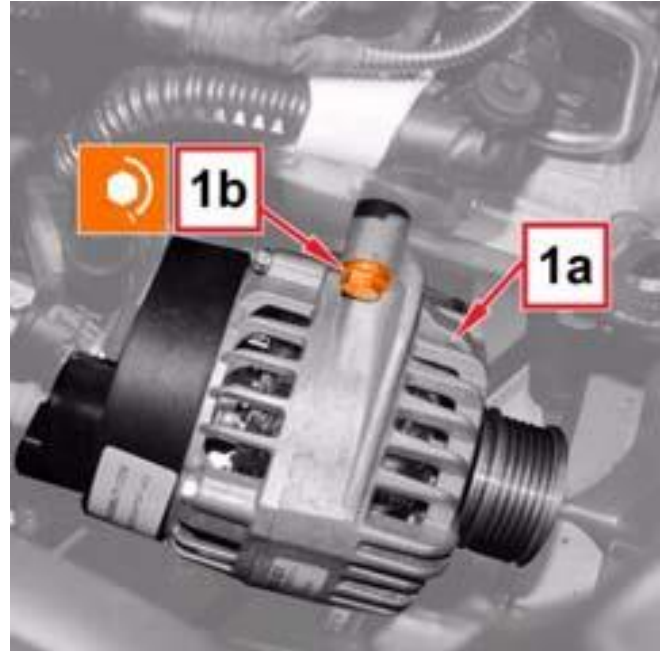
- Undo the upper fixing screw (1a) and remove the alternator (1b) from its housing.



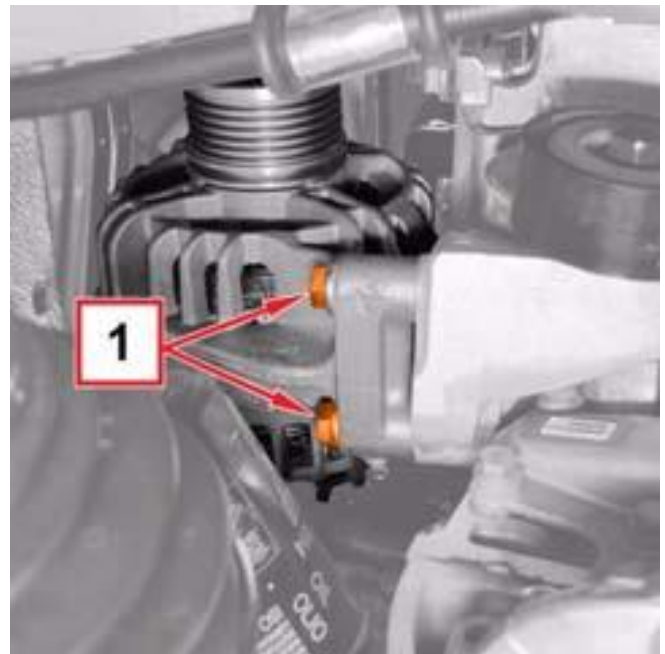
ALTERNATOR INSTALLATION

NOTE: Check that the alternator is not damaged. Otherwise, replace it with a new one.

1. Reposition the alternator (1a) in its housing and tighten the upper fixing screw (1b).
2. Connect both the electrical connections for the alternator and tighten the relevant fixing nuts.



3. Tighten the lower alternator fixing screws.



4. Install the alternator guard. ([Refer to 08 - Electrical/Charging/GAURD, Generator/Removal and Installation](#)).
5. Install the belly pan. ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).

6. Install the single drive belt. ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).
7. Install the right rear wheel.
8. Install the engine cover. ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).
9. Connect the negative battery terminal.

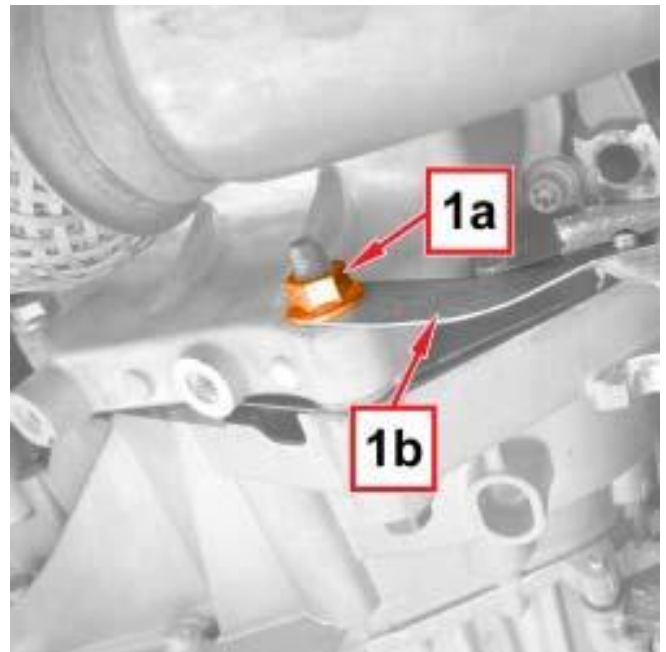
Removal and Installation

VIBRATION DAMPER

REMOVAL

1. Remove the right rear tire and wheel assembly ([Refer to 22 - Tires and Wheels/Removal and Installation](#)).
2. Remove the engine belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
3. Remove the serpentine belt ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).

4. Undo the fixing nut (1a) and place the heat shield (1b) to one side.



5. Undo the fixing nuts (1a) and remove the lower flywheel guard (1b).



6. Fit the flywheel locking tool (1).



Tool	Denomination	Function
1.860.898.000	Counter-torque	Flywheel lock

- Undo the fixing screws (1a) and remove the service pulley (1b) from its housing.



INSTALLATION

- Reposition the service pulley (1a) in its housing and tighten the fixing screws (1b).



Component	Fixing	dia	Value (Nm)
Crankshaft service pulley	Screw	M8x1.25x26	30

2. Remove the flywheel locking tool.

Tool	Denomination	Function
1.860.898.000	Counter-torque	Flywheel lock

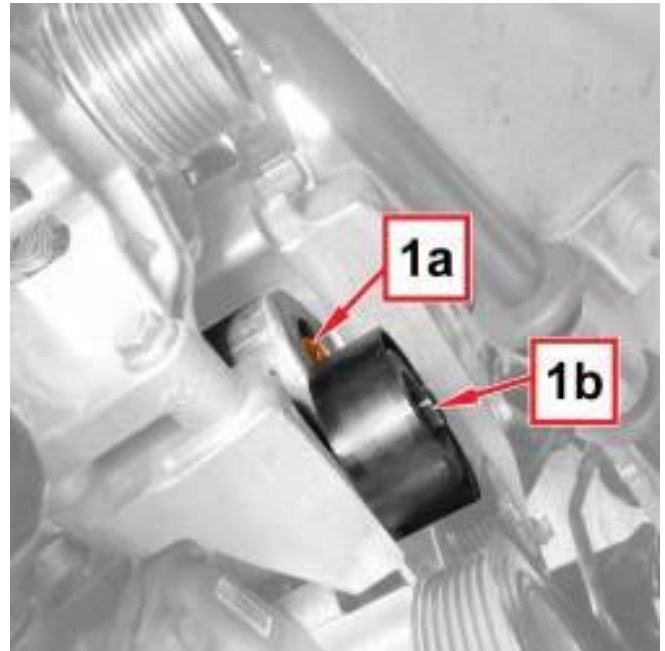
3. Reposition the flywheel lower guard in its housing and tighten the fixing nuts.
4. Reposition the heat shield and tighten the fixing nut.
5. Install the serpentine belt ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).
6. Install the engine belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
7. Install the right rear tire and wheel assembly ([Refer to 22 - Tires and Wheels/Removal and Installation](#)).

ENGINE COMPONENT SINGLE BELT MOVING TENSIONER - R.R. WITH BELT REMOVED

REMOVAL

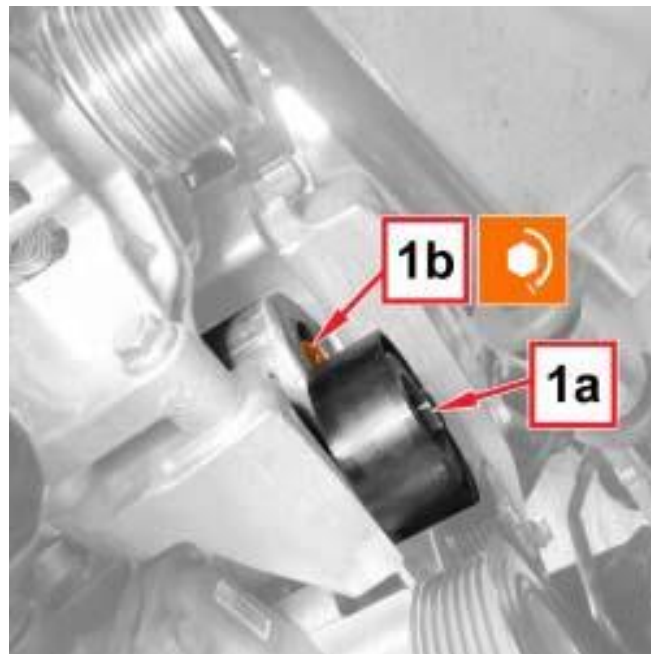
1. Raise and support the vehicle. ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove right rear wheel.
3. Remove the protection/guard under engine. ([Refer to 13 - Frame and Bumpers/Under Body Protection/SIELD/Removal and Installation](#)).
4. Remove the serpentine belt. ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).

5. Undo the fixing screw (1a) and remove the engine accessory drive belt moving tensioner (1b).



INSTALLATION

1. Fit the engine accessory drive belt moving tensioner (1a) in its housing and tighten the fixing screw (1b).



Component	Fixing	dia	Value (daNm)	Validity
Auxiliary drive belt moving tensioner	Screw	M10x1.5x75	4.5 ÷ 5.5	1750 Turbo Petrol

2. Install the serpentine belt. ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).
3. Install the protection/guard under engine. ([Refer to 13 - Frame and Bumpers/Under Body Protection/SHIELD/Removal and Installation](#)).
4. Install the right rear wheel.
5. Remove the car from the lift.

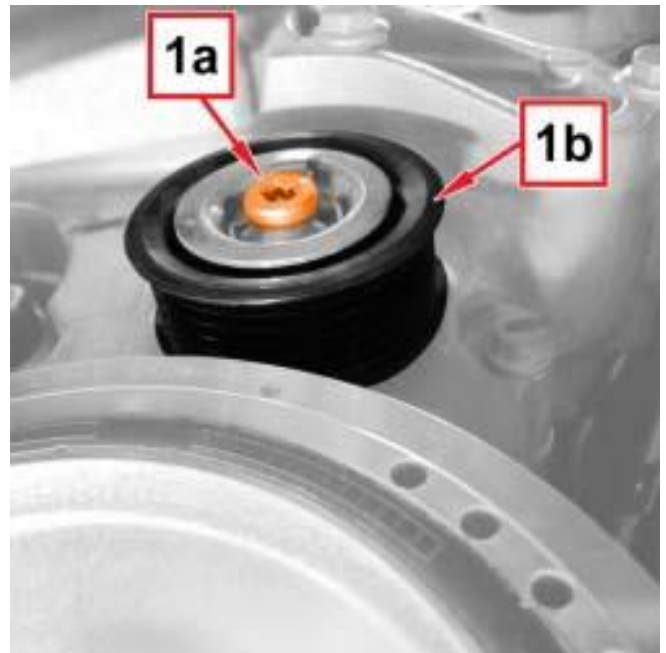
07 - Cooling / Accessory Drive / PULLEY, Idler / Removal and Installation

ENGINE COMPONENT SINGLE BELT FIXED TENSIONER - R + R

REMOVAL

1. Raise and support the vehicle. ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove right rear wheel.
3. Remove the protection/guard under engine. ([Refer to 13 - Frame and Bumpers/Under Body Protection/SIELD/Removal and Installation](#)).
4. Remove the serpentine belt. ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).

5. Undo the fixing screw (1a) and remove the engine accessory drive belt moving tensioner (1b).



INSTALLATION

1. Fit the engine accessory drive belt moving tensioner (1a) in its housing and tighten the fixing screw (1b).



Component	Fixing	dia	Value (daNm)	Validity
Auxiliary drive belt fixed tensioner	Screw	M8x1.25x25	2.3 ÷ 2.8	1750 Turbo Petrol

2. Install the serpentine belt. ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).
3. Install the protection/guard under engine. ([Refer to 13 - Frame and Bumpers/Under Body Protection/SHIELD/Removal and Installation](#)).
4. Install the right rear wheel.
5. Remove the car from the lift.

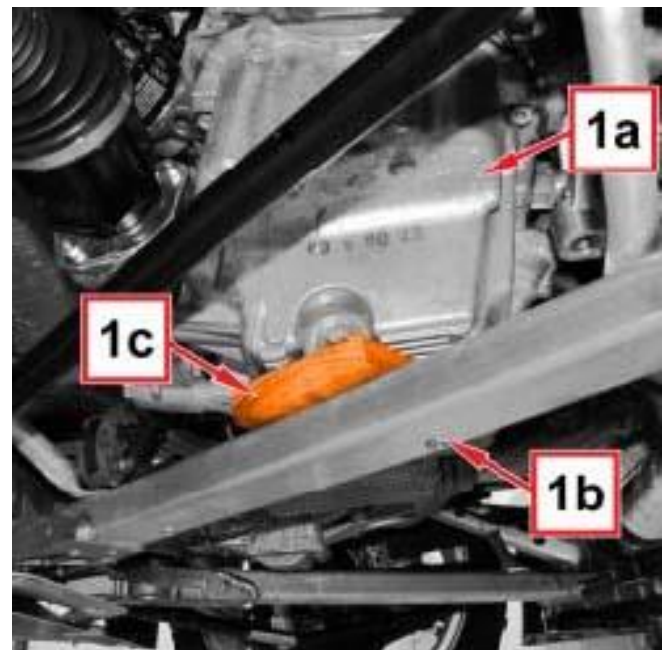
09 - Engine, 1.8L I4 16V Turbo / Engine Mounting / INSULATOR, Engine Mount, Right / Removal and Installation

Removal and Installation

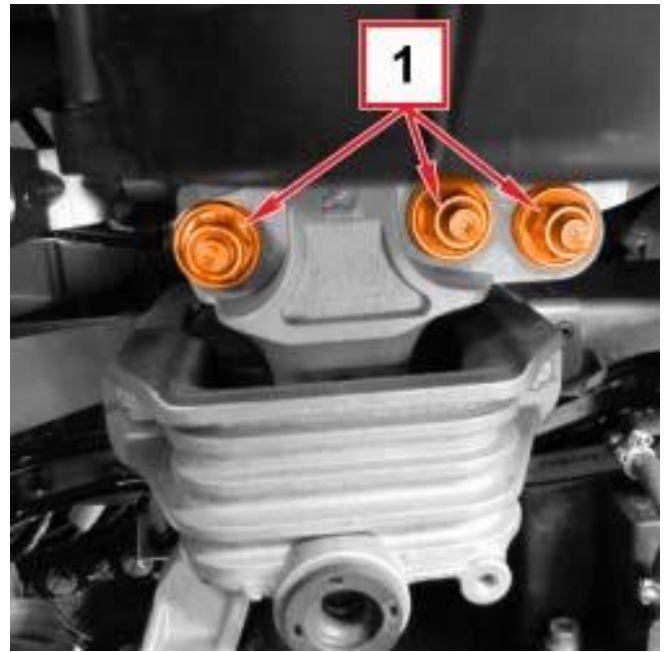
INSULATOR, RIGHT ENGINE MOUNT

REMOVAL

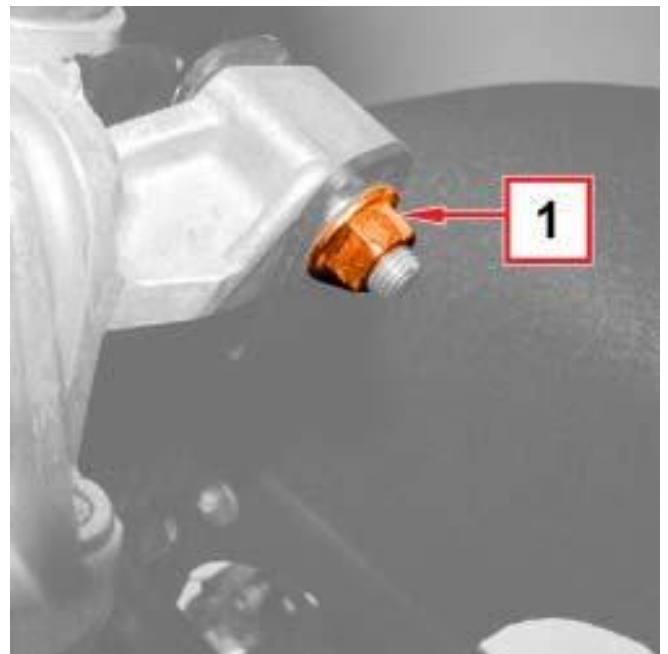
1. Raise and support the vehicle ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the engine cover ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).
3. Remove the rear belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
4. Position a suitable shim (1c) between the oil sump (1a) and lower crossmember (1b) to guarantee support for the power unit after the flexible mounting is removed.



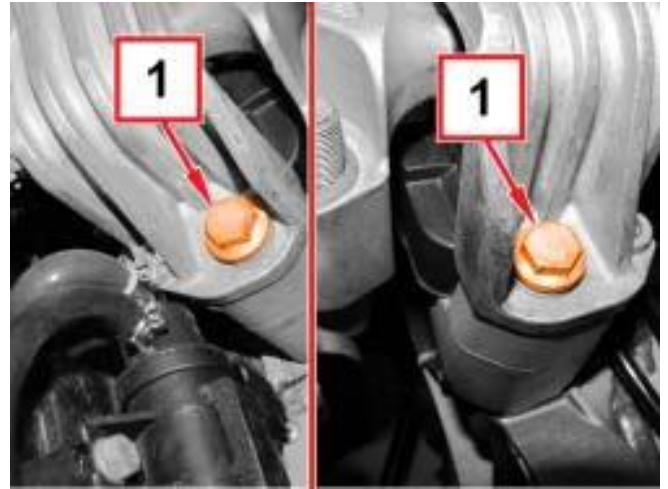
5. Undo the nuts (1) fixing the flexible mounting to the relevant engine mounting.



6. Undo and remove the bolt (1) securing the flexible mounting to the reaction rod.



7. Undo the remaining screws (1) securing the flexible mounting to the body.

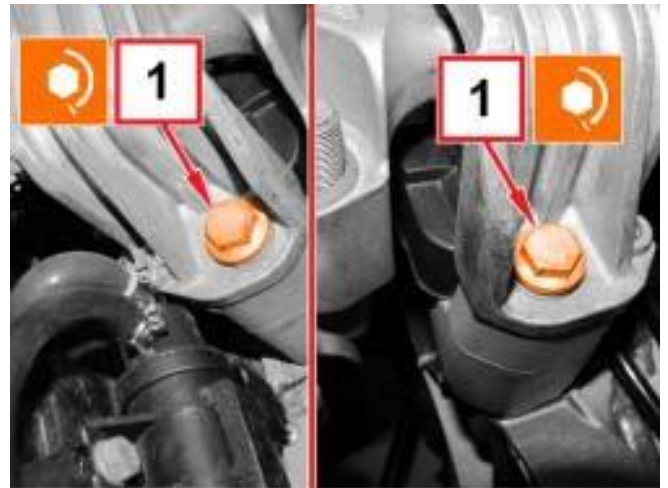


8. Remove the flexible mounting from its housing.

INSTALLATION

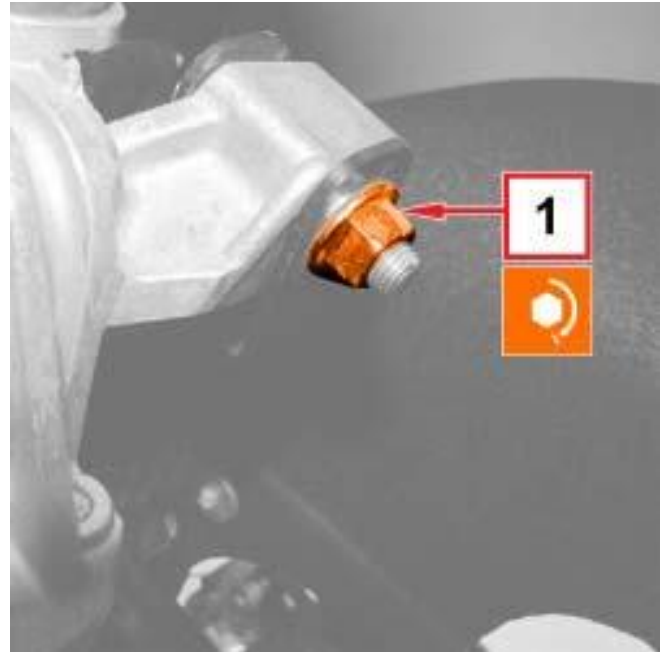
1. Place the flexible mounting in its housing and do up the following, without tightening to torque:
 - the nuts for securing the engine mounting;
 - the screws securing the body;
 - the bolt securing the chassis.

2. Tighten the screws (1) fixing the flexible mounting to the body.



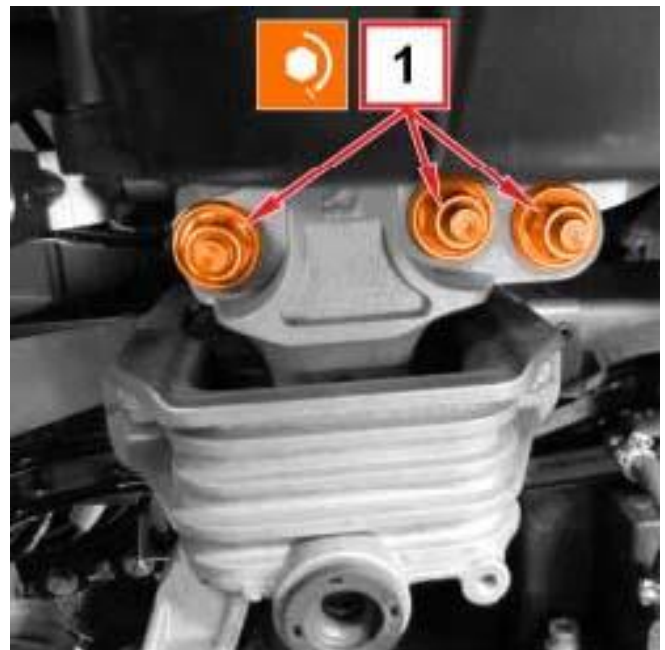
Component	Fixing	Ø	Value (Nm)
Timing side engine flexible mounting (on body)	Screw	M10x1.25x130	75

- Tighten the nut (1) fixing the flexible mounting to the reaction rod.



Component	Fixing	Ø	Value (Nm)
Timing side engine flexible mounting to reaction rod	Nut	M10x1.25x50	50

- Tighten the nuts (1) fixing the flexible mounting to the relevant engine mounting.



Component	Fixing	Ø	Value (Nm)
Timing side engine flexible mounting	Nut	M12x1.25	11

5. Remove the hydraulic lift from underneath the power unit.
6. Install the rear belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
7. Install the engine cover ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).

Removal and Installation

VACUUM PUMP

REMOVAL

1. Remove engine cover ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).

2. Disconnect the quick coupling (1) for the vacuum pipe from the vacuum unit.



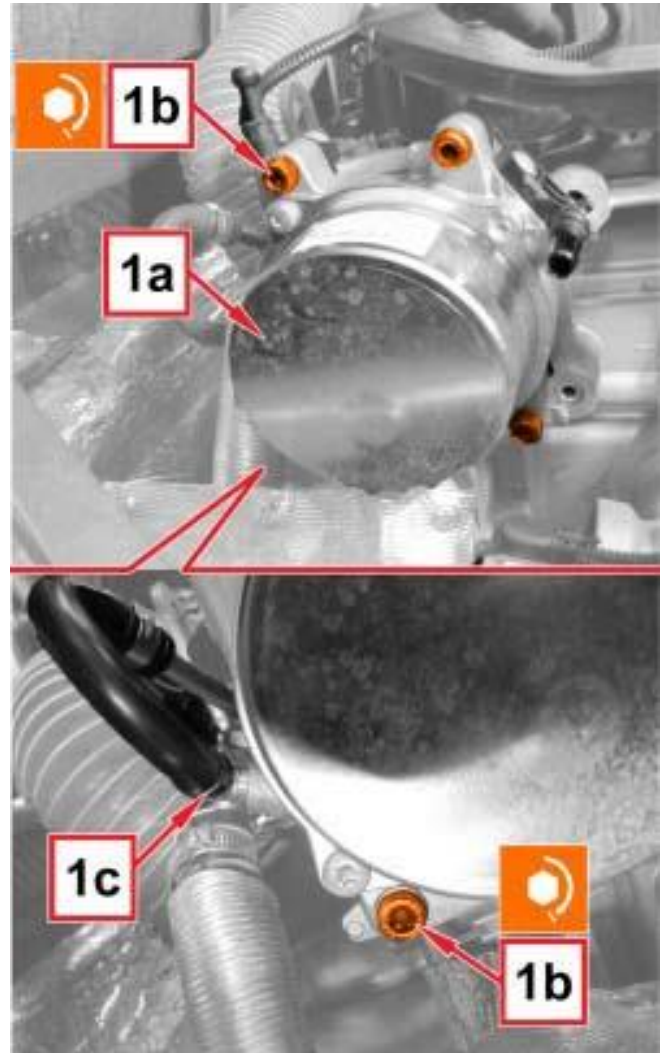
3. Disconnect the vacuum pipe (1) from the vacuum pump.
4. Undo the fixing screws (2a) and remove the vacuum unit (2b) complete with gasket.



INSTALLATION

NOTE: Apply some thread-locking compound on the vacuum unit new fixing screws.

1. Reposition the vacuum unit (1a) complete with new gasket in its housing, tighten the new fixing screws (1b) and connect the vacuum pipe (1c).



Component	Fixing	dia	Value (Nm)
Vacuum unit	Screw	M6x1x35	9

2. Connect the quick coupling for the vacuum pipe to the vacuum unit.
3. Install engine cover ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).

09 - Engine, 1.8L I4 16V Turbo / Valve Timing / COVER(S), Engine Timing / Removal and Installation

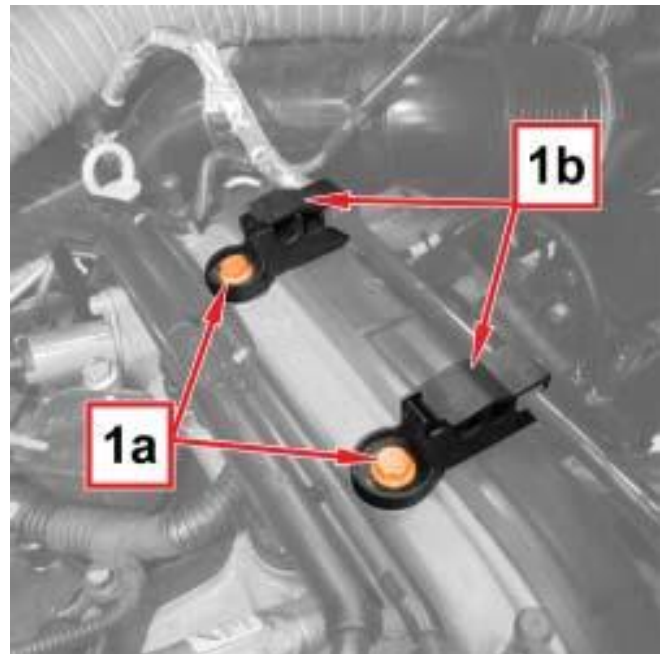
Removal and Installation

TIMING SYSTEM PROTECTIVE COVER(S)

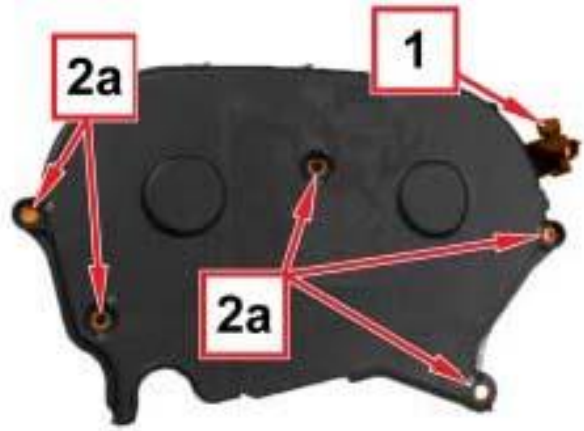
REMOVAL

1. Raise and support the vehicle ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the engine cover ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).

3. Undo the fixing screws (1a) and place the vapour recovery pipe retaining clips (1b) to one side.



4. Open the retaining clips (1) and release the engine electrical wiring.
5. Undo the fixing screws (2a) and remove the timing control protection cover (2b).



INSTALLATION

1. Position the timing control protection cover in its housing and tighten the fixing screws.
2. Reposition the retaining clips for the vapour recovery pipe and tighten the fixing screws.
3. Install the engine cover [\(Refer to 09 - Engine/COVER, Engine/Removal and Installation\)](#) .

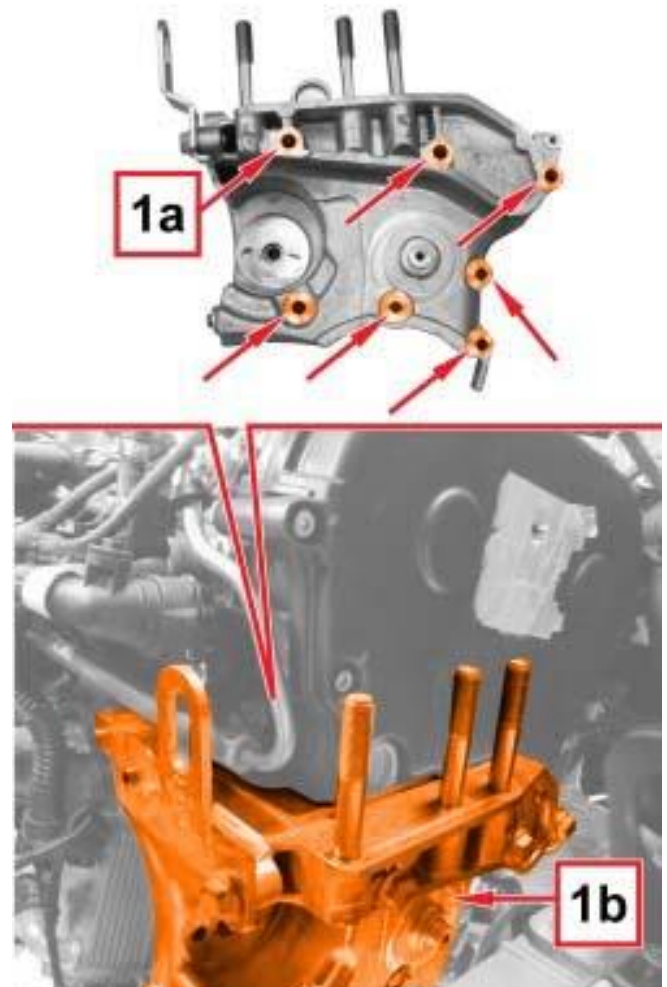
09 - Engine, 1.8L I4 16V Turbo / Engine Mounting / BRACKET, Engine Mount, Right / Removal and Installation

Removal and Installation

RIGHT ENGINE MOUNT BRACKET

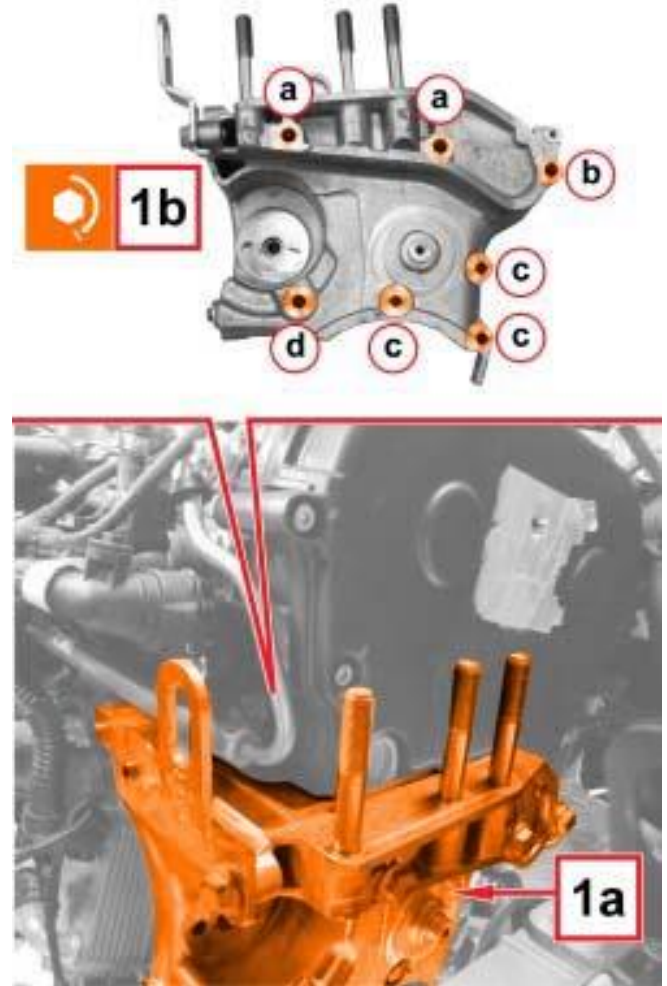
REMOVAL

1. Remove the right rear tire and wheel assembly ([Refer to 22 - Tires and Wheels/Removal and Installation](#)).
2. Remove the alternator ([Refer to 08 - Electrical/Charging/GENERATOR/Removal and Installation](#)).
3. Remove the vibration damper ([Refer to 09 - Engine/Engine Block/DAMPER, Vibration/Removal and Installation](#)).
4. Remove the belt tensioner ([Refer to 07 - Cooling/Accessory Drive/TENSIONER, Belt/Removal and Installation](#)).
5. Remove the idler pulley ([Refer to 07 - Cooling/Accessory Drive/PULLEY, Idler/Removal and Installation](#)).
6. Remove the right engine mount insulator ([Refer to 09 - Engine/Engine Mounting/INSULATOR, Engine Mount/Removal and Installation](#)).
7. Undo the fixing screws (1a) and remove the rigid support (1b).



INSTALLATION

1. Reposition the rigid support (1a) in its housing and tighten the fixing screws (1b).



Fixing screws A

Component	Fixing	Ø	Value (Nm)
Timing side engine mounting (to block)	Screw	M10x1.5x95	50

2. Fixing screws B

Component	Fixing	Ø	Value (Nm)
Timing side engine mounting (to block)	Screw	M10x1.5x80	50

3. Fixing screws C

Component	Fixing	Ø	Value (Nm)
Timing side engine mounting (to block)	Screw	M8x1.25x45	26

4. Fixing screws D

Component	Fixing	Ø	Value (Nm)
Timing side engine mounting (to block)	Screw	M10x1.5x40	50

5. Install the right engine mount insulator ([Refer to 09 - Engine/Engine Mounting/INSULATOR, Engine Mount/Removal and Installation](#)).
6. Install the idler pulley ([Refer to 07 - Cooling/Accessory Drive/PULLEY, Idler/Removal and Installation](#)).
7. Install the belt tensioner ([Refer to 07 - Cooling/Accessory Drive/TENSIONER, Belt/Removal and Installation](#)).
8. Install the vibration damper ([Refer to 09 - Engine/Engine Block/DAMPER, Vibration/Removal and Installation](#)).
9. Install the alternator ([Refer to 08 - Electrical/Charging/GENERATOR/Removal and Installation](#)).
10. Install the right rear tire and wheel assembly ([Refer to 22 - Tires and Wheels/Removal and Installation](#)).

09 - Engine, 1.8L I4 16V Turbo / Valve Timing / BELT, Timing / Removal and Installation

Removal and Installation

TIMING BELT

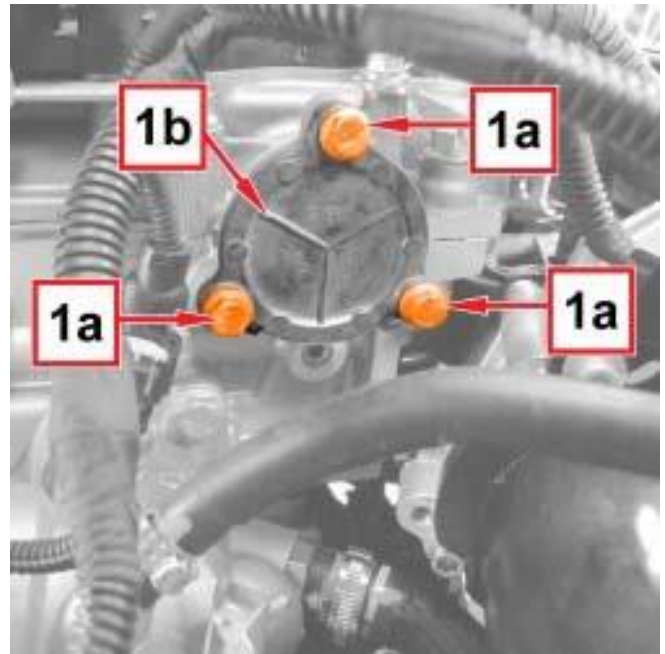
REMOVAL

1. Raise and support the vehicle ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the right rear tire and wheel assembly ([Refer to 22 - Tires and Wheels/Removal and Installation](#)).
3. Remove the rear belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
4. Remove the alternator ([Refer to 08 - Electrical/Charging/GENERATOR/Removal and Installation](#)).
5. Remove the vibration damper ([Refer to 09 - Engine/Engine Block/DAMPER, Vibration/Removal and Installation](#)).
6. Remove the belt tensioner ([Refer to 07 - Cooling/Accessory Drive/TENSIONER, Belt/Removal and Installation](#)).
7. Remove the idler pulley ([Refer to 07 - Cooling/Accessory Drive/PULLEY, Idler/Removal and Installation](#)).
8. Remove the right engine mount ([Refer to 09 - Engine/Engine Mounting/INSULATOR, Engine Mount/Removal and Installation](#)).
9. Remove the engine cover ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).
10. Remove the vacuum pump ([Refer to 09 - Engine/Cylinder Head/PUMP, Vacuum/Removal and Installation](#)).
11. Remove the timing covers ([Refer to 09 - Engine/Valve Timing/COVER\(S\) , Engine Timing/Removal and Installation](#)).
12. Remove the flywheel locking tool used to undo the service pulley fixing screws on the crankshaft.

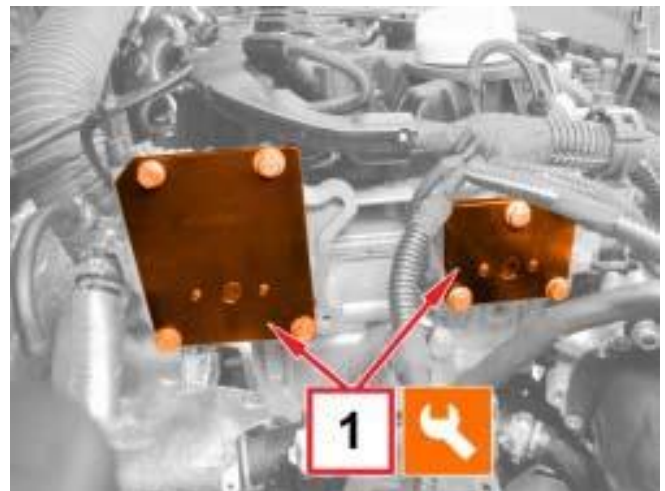
Tool	Denomination	Function
1.860.898.000	Counter-torque	Flywheel lock

13. Remove the right engine mounting bracket ([Refer to 09 - Engine/Engine Mounting/BRACKET, Engine Mount/Removal and Installation](#)).

14. Undo the fixing screws (1a) and remove the intake side camshaft rear cover (1b), with seal.

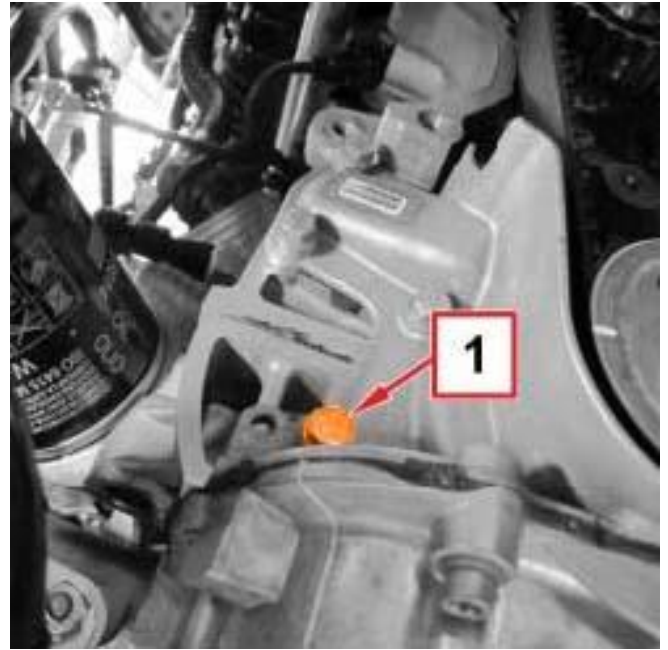


15. Install the camshaft timing tools (1), exhaust and intake side.



Tool	Denomination	Function
2.000.033.500	Templates	Engine tuning

16. Undo the lower screw (1) fixing the front cover to the engine block.

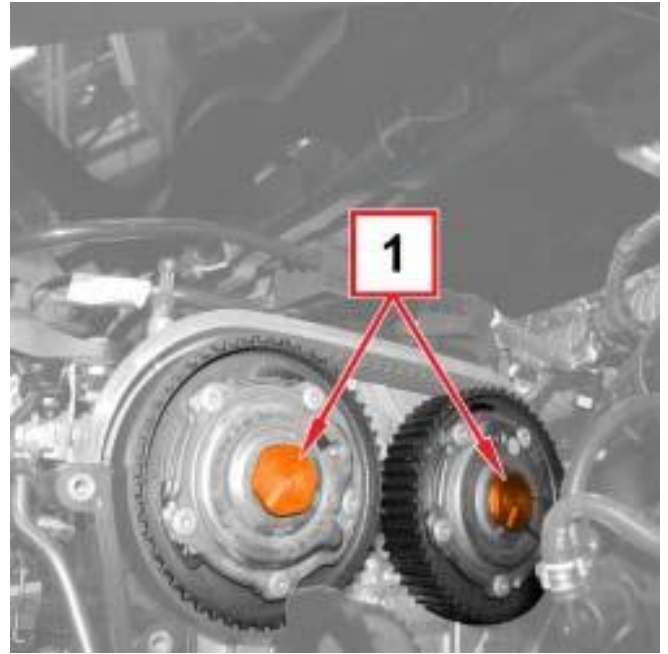


17. Fit the crankshaft timing tool (1).

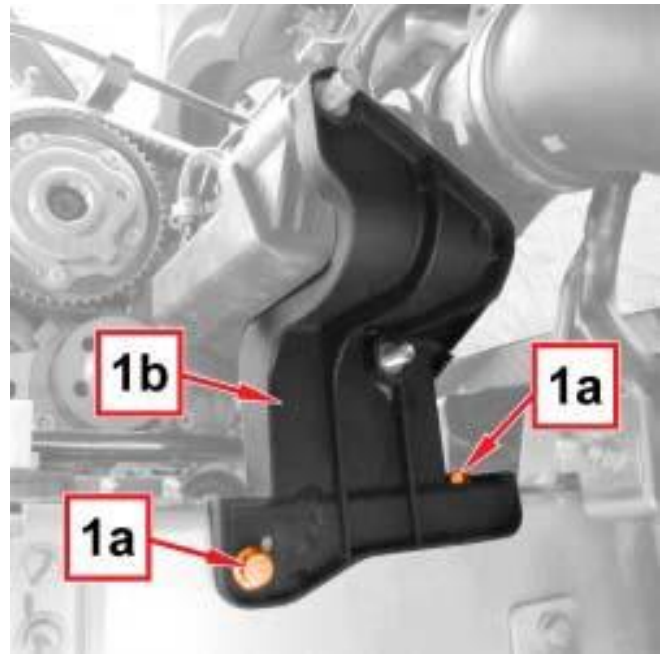


Tool	Denomination	Function
2.000.003.000	Templates	Engine tuning

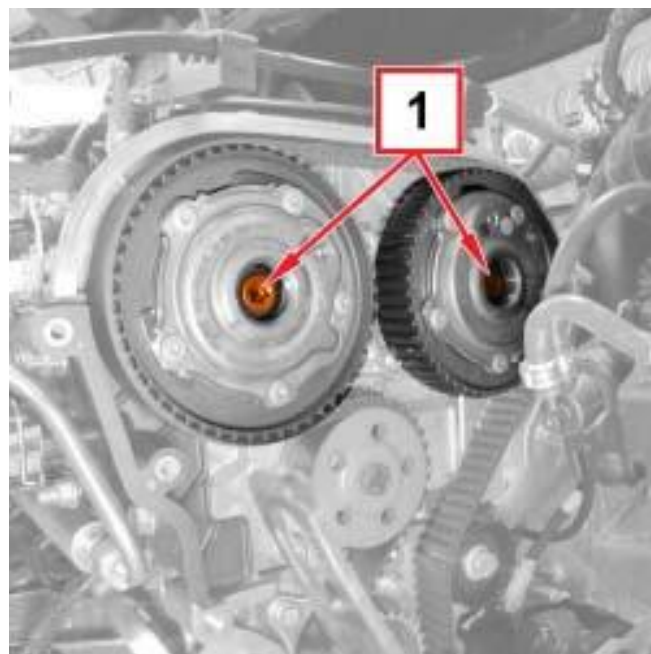
18. Unscrew and remove the protection covers for the variable valve timing system/pulley fixing screws (1).



19. Undo the fixing screws (1a) and place the vacuum reservoir mounting (1b) to one side.



20. Loosen the variable valve timing system/pulley fixing screws (1).

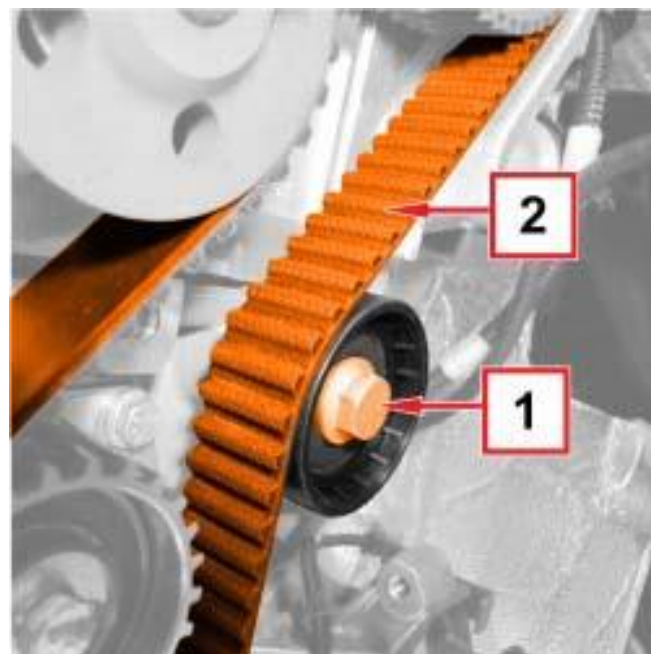


21. Remove the tool fitted to check the crankshaft timing.

Tool	Denomination	Function
2.000.003.000	Templates	Engine tuning

22. Loosen the screw (1) fixing the toothed timing drive belt moving tensioner.

23. Release and remove the toothed timing drive belt (2).



INSTALLATION



NOTE: The belt must be handled and installed preventing all sharp bends to avoid damaging the belt structure, because stresses caused by an excessive bending might damage internally the fibres, without any exterior effect, and this might cause the early breakage of the belt during engine operation.

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

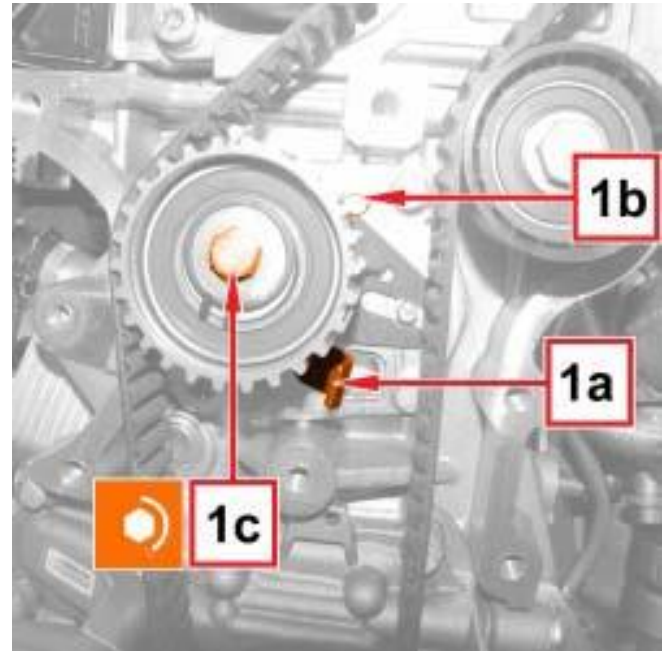
Tool	Denomination	Function
2.000.003.000	Templates	Engine tuning

2. Remove the crankshaft timing tool and install the toothed timing drive belt.

Tool	Denomination	Function
2.000.003.000	Templates	Engine tuning

3. Fit the crankshaft timing tool.

Tool	Denomination	Function
2.000.003.000	Templates	Engine tuning

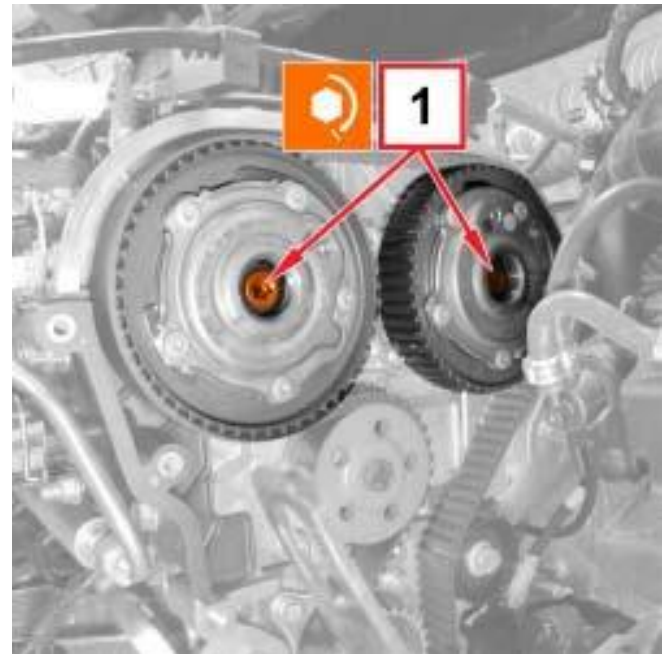


NOTE: Pre-treat the moving tensioner fixing screw with a "self-locking" product.

4. Lever up the spring (1a) with a screwdriver until the pointer of the tensioner (1b) is in the maximum tension position. Then tighten the fixing screw (1c).

Component	Fixing	Ø	Value (Nm)
Timing control moving tensioner	Screw	M8x1.25x50	26

- Tighten the variable valve timing system/pulley fixing screws (1).



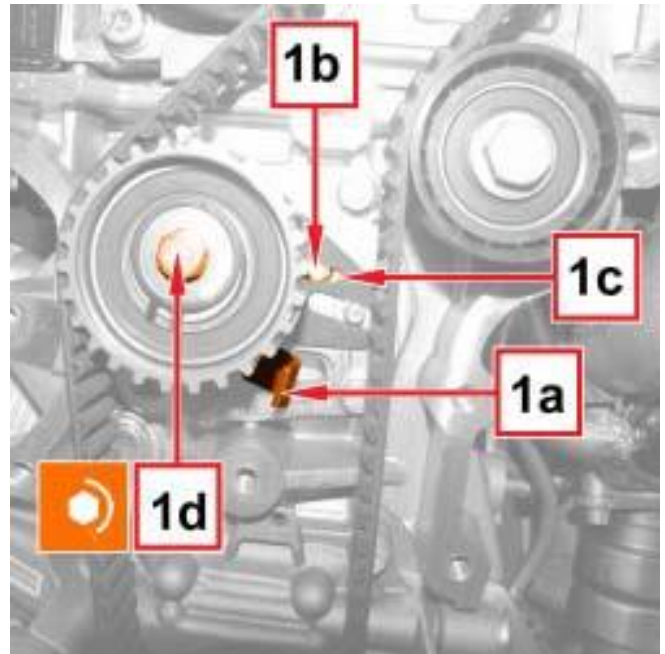
Component	Fixing	Ø	Value (Nm)
Driven toothed pulley with variable valve timing system (intake and exhaust side)	Screw	M12x1.25x32	60 + 25°

- Remove the timing tools fitted previously.

Tool	Denomination	Function
2.000.003.000	Templates	Engine tuning
2.000.033.500	Templates	Engine tuning

- Turn the crankshaft through two revolutions to settle the toothed timing drive belt.
- Loosen the screw fixing the toothed timing drive belt moving tensioner.

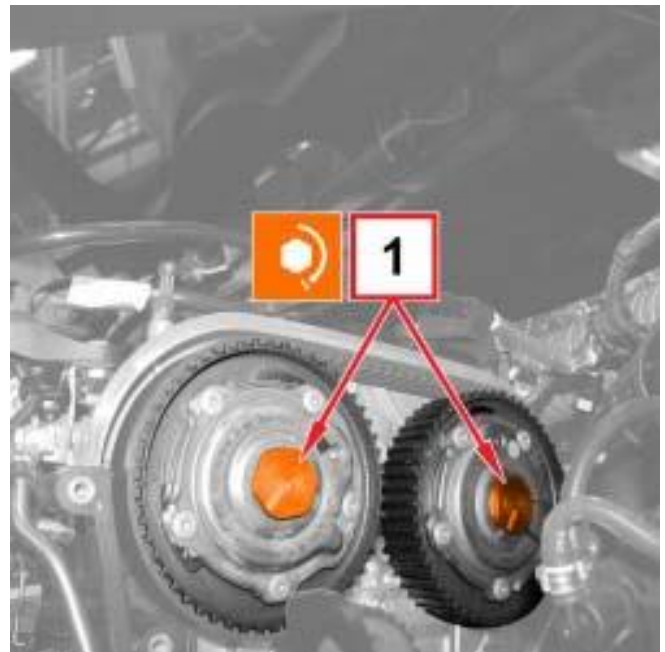
9. Lever up the spring (1a) with a screwdriver until the pointer (1b) is aligned with the hole (1c), then tighten the fixing screw (1d).



Component	Fixing	Ø	Value (Nm)
Timing control moving tensioner	Screw	M8x1.25x50	26

10. Turn the crankshaft through two revolutions to settle the toothed timing drive belt.
11. Recheck the engine timing by refitting the timing tools.
12. Remove the previously installed timing tools and tighten the new lower screw securing the block front cover.

13. Tighten the protection covers (1) for the variable valve timing system/pulley fixing screws with new O-rings, lubricated with clean engine oil.



Component	Fixing	Ø	Value (Nm)
Driven toothed pulley fixing screw protection plug (intake and exhaust side)	Plug	M27x1.25	30

14. Reposition the camshaft rear cover in its housing, on the intake side, with a new gasket, then tighten the fixing screws.
15. Reposition the vacuum reservoir mounting and tighten the fixing screws.
16. Install the right engine mounting bracket ([Refer to 09 - Engine/Engine Mounting/BRACKET, Engine Mount/Removal and Installation](#)).
17. Fit the flywheel locking tool used to tighten the service pulley fixing screws on the crankshaft.

Tool	Denomination	Function
1.860.898.000	Counter-torque	Flywheel lock

18. Install the right engine mounting bracket ([Refer to 09 - Engine/Engine Mounting/BRACKET, Engine Mount/Removal and Installation](#)).

Tool	Denomination	Function
1.860.898.000	Counter-torque	Flywheel lock

19. Remove the flywheel locking tool used to undo the service pulley fixing screws on the crankshaft.
20. Install the timing covers ([Refer to 09 - Engine/Valve Timing/COVER\(S\) , Engine Timing/Removal and Installation](#)).
21. Install the vacuum pump ([Refer to 09 - Engine/Cylinder Head/PUMP, Vacuum/Removal and Installation](#)).
22. Install the engine cover ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).
23. Install the right engine mount ([Refer to 09 - Engine/Engine Mounting/INSULATOR, Engine Mount/Removal and Installation](#)).
24. Install the idler pulley ([Refer to 07 - Cooling/Accessory Drive/PULLEY, Idler/Removal and Installation](#)).
25. Install the belt tensioner ([Refer to 07 - Cooling/Accessory Drive/TENSIONER, Belt/Removal and Installation](#)).
26. Install the vibration damper ([Refer to 09 - Engine/Engine Block/DAMPER, Vibration/Removal and Installation](#)).

27. Install the alternator ([Refer to 08 - Electrical/Charging/GENERATOR/Removal and Installation](#)).
28. Install the rear belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
29. Install the right rear tire and wheel assembly ([Refer to 22 - Tires and Wheels/Removal and Installation](#)).

07 - Cooling / Engine / PUMP, Water / Removal and Installation

WATER PUMP - R.R.

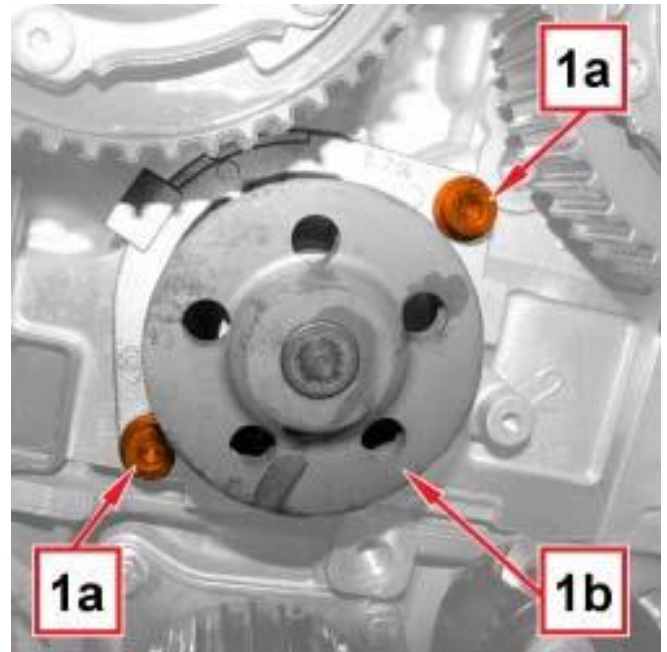
REMOVAL

1. Raise and support the vehicle. ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove right rear wheel.
3. Remove the protection/guard under engine. ([Refer to 13 - Frame and Bumpers/Under Body Protection/SHIELD/Removal and Installation](#)).
4. Remove the auxiliary single drive belt. ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).
5. Remove the alternator. ([Refer to 08 - Electrical/Charging/GENERATOR/Removal and Installation](#)).
6. Remove the service pulley on crankshaft. ([Refer to 09 - Engine/Engine Block/DAMPER, Vibration/Removal and Installation](#)).
7. Remove the belt tensioner. ([Refer to 07 - Cooling/Accessory Drive/TENSIONER, Belt/Removal and Installation](#)).
8. Remove the idler pulley. ([Refer to 07 - Cooling/Accessory Drive/PULLEY, Idler/Removal and Installation](#)).
9. Remove the power unit front support flexible mounting (timing side). ([Refer to 09 - Engine/Engine Mounting/INSULATOR, Engine Mount/Removal and Installation](#)).
10. Remove the engine sound proofing cover. ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).
11. Remove the vacuum unit. ([Refer to 05 - Brakes, Base/Electrical/PUMP, Electric Vacuum/Removal and Installation](#)).
12. Remove the valve timing covers. ([Refer to 09 - Engine/Valve Timing/COVER\(S\) , Engine Timing/Removal and Installation](#)).
13. Remove the flywheel locking tool used to undo the service pulley fixing screws on the crankshaft.

Tool	Denomination	Function	Validity
1.860.898.000	Counter-torque	Flywheel lock	1750 Turbo Petrol

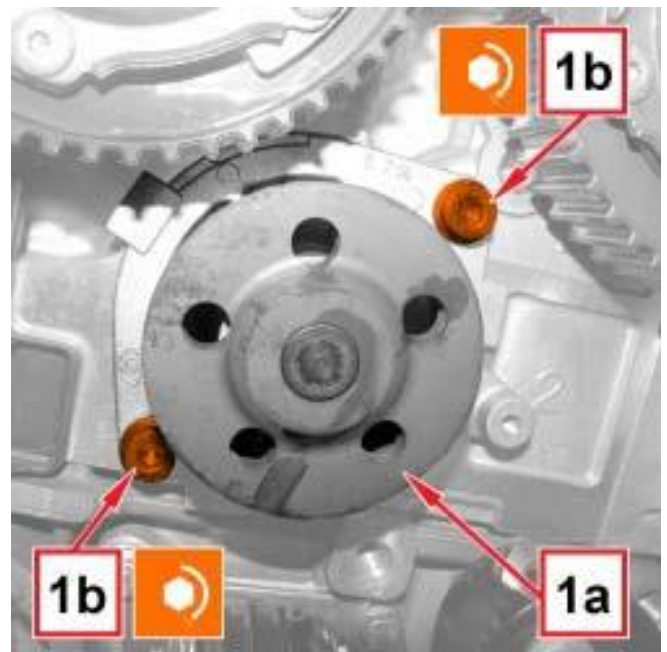
14. Remove the timing side power unit rigid support. ([Refer to 09 - Engine/Engine Mounting/BRACKET, Engine Mount/Removal and Installation](#)).
15. Remove toothed timing belt. ([Refer to 09 - Engine/Valve Timing/BELT, Timing/Removal and Installation](#)).

16. Undo the fixing screws (1a) and remove the water pump (1b).



INSTALLATION

1. Fit the water pump (1a) in its housing and tighten the fixing screws (1b).



Component	Fixing	Ø	Value (daNm)	Validity
Water pump	Screw	M8x1.25x16	2.3 ÷ 2.8	1750 Turbo Petrol

2. Install toothed timing belt. ([Refer to 09 - Engine/Valve Timing/BELT, Timing/Removal and Installation](#)).
3. Install the timing side power unit rigid support. ([Refer to 09 - Engine/Engine Mounting/BRACKET, Engine Mount/Removal and Installation](#)).
4. Fit the flywheel locking tool used to tighten the service pulley fixing screws on the crankshaft.

Tool	Denomination	Function	Validity
1.860.898.000	Counter-torque	Flywheel lock	1750 Turbo Petrol

5. Install the valve timing covers. ([Refer to 09 - Engine/Valve Timing/COVER\(S\) . Engine Timing/Removal and Installation](#)).
6. Install the vacuum unit. ([Refer to 05 - Brakes, Base/Electrical/PUMP, Electric Vacuum/Removal and Installation](#)).
7. Install the engine sound proofing cover. ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).
8. Install the power unit front support flexible mounting (timing side). ([Refer to 09 - Engine/Engine Mounting/INSULATOR, Engine Mount/Removal and Installation](#)).
9. Install the idler pulley. ([Refer to 07 - Cooling/Accessory Drive/PULLEY, Idler/Removal and Installation](#)).
10. Install the belt tensioner. ([Refer to 07 - Cooling/Accessory Drive/TENSIONER, Belt/Removal and Installation](#)).
11. Install the service pulley on crankshaft. ([Refer to 09 - Engine/Engine Block/DAMPER, Vibration/Removal and Installation](#)).
12. Install the alternator. ([Refer to 08 - Electrical/Charging/GENERATOR/Removal and Installation](#)).
13. Install the auxiliary single drive belt. ([Refer to 07 - Cooling/Accessory Drive/BELT, Serpentine/Removal and Installation](#)).
14. Install the protection/guard under engine. ([Refer to 13 - Frame and Bumpers/Under Body Protection/SHIELD/Removal and Installation](#)).
15. Install right rear wheel.
16. Install the car from the lift.