

Part # 7380

Volvo Timing Tool Kit - 2.0L VEA

- Holds the engine when replacing the timing belt
- Aligning the camshaft and crankshaft position
- Services vehicles with the "VEA" 2.0L turbocharged and twin-charged engines
- Kit includes: Position setting (999 7490), Puller (999 7493), Counter-hold Plate (999 7495), Drift (999 7496) & Counter-hold Dials (999 7497)
- Applications: 2.0L (T5 Engine) - S60, S80, S90, V60, V90, XC40, XC60, XC70, XC80 & XC90 w/ Transmissions: M66, TF-71SC, TG-81SC & TG-81SC AWD
- Compare to Volvo Factory Tools: #9997490, #9997493, #9997495, #9997496 & #9997497



CAUTION: To prevent injury, always wear gloves and eye protection that meets ANSI Z87.1 and OSHA standards.
CAUTION: To prevent equipment damage, clean and lubricate threaded screws and holes before and after use.

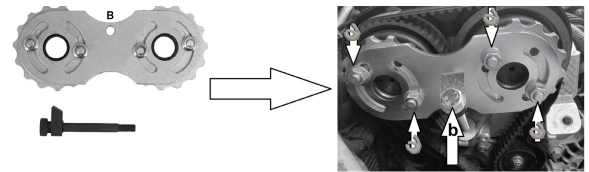
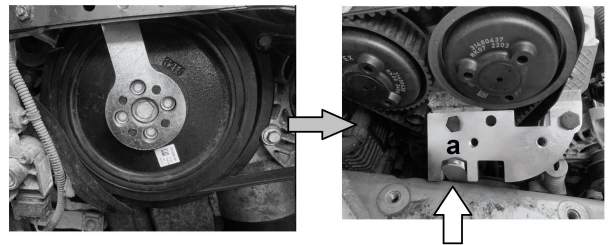
INSTRUCTIONS:

Notes

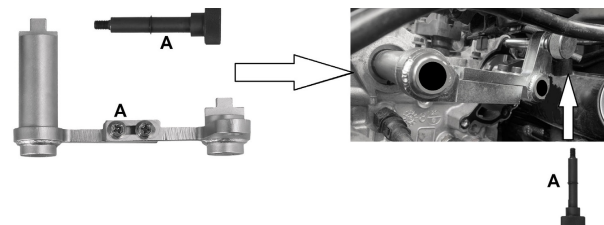
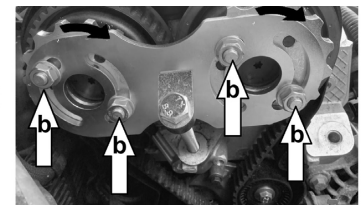
- Always refer to manufacturer specific data and instructions
- Support the engine from underneath.
- Mark the position of and then remove the right hand engine mounting, upper torque reaction link and bracket.
- For crankshaft locking and holding additional tools will be required. Please see Laser 8108 available separately.

Instructions

1. Verify engine type - Gasoline VEA 2.0L or Diesel 2.0L and check code stamp on block.
 - Gasoline compatible codes: B4154T5, B4154T6, B4204T10 - B4204T41, B4204T9, B4154T4
 - Diesel compatible codes: D4204T4 - D4204T9, D4204T11 - D4204T14, D4204T16, D4204T17, D4204T20, D4204T23
2. Remove any covers or components necessary to access front of engine.
3. Remove timing belt covers and support engine from underneath.
4. Gasoline Engines:
 - Install counter-hold plate (9997495) and tighten bolts to secure crankshaft.
 - Install puller (9997493) on camshaft and turn bolt clockwise to lock on sprocket.
 - Install position tool (9997490) on rear of camshaft, line up marks.
 - Turn crankshaft clockwise using puller bolt until camshaft rotates counter-clockwise and pin on position tool engages.
5. Diesel Engines:
 - Install crankshaft holding tool (9997495) as shown in figures 1 and 2 to secure crankshaft.
 - Remove crank pulley bolt and remove pulley and lower cover.
 - Install fuel pump locking tool (9997233) to hold fuel pump sprocket.
6. Remove and install timing belt per manufacturer instructions.
7. Once timing belt installed, remove all tools.
8. Reinstall all covers and components removed.
9. Turn engine over by hand 2 revolutions and verify timing before starting.
10. Refer to Factory service manual for complete timing belt replacement procedure. Use tools to hold timing.



b = 25Nm



IMPORTANT:

Ensure the camshaft locking tool remains in place to hold the camshafts in their timed positions. Follow the OEM vehicle manufacturer's procedure for fitting the camshaft sprockets and camshaft drive belt.

