

A4 Golf/Jetta timing belt checklist

Remove engine cover

Optional for ease of access.

Remove airbox and intake tube

Remove CCV

Disconnect fuel lines

Remove egr to intercooler pipe elbow

Optional for ease of access.

Remove upper intercooler pipe

Unscrew coolant tank

Unbolt power steering reservoir

Cap coolant tank and move towards headlight

Remove timing belt cover

Remove vac pump

10mm and 13mm box offset wrench

Remove valve cover

Pull flywheel plug

Optional for ease of access.

Loosen lug nuts

Raise car, remove passenger tire, place jack stand

Rotate to TDC

Lock camshaft

Remove belly pan

Remove lower intercooler pipe

Remove side skirt

Loosen vibration damper

Remove v-belt

Remove vibration damper

Support engine from above and or below

Remove upper engine mount alignment plate

Remove upper engine mount

Remove lower engine mount bracket (raise and lower motor to access bolts)

Remove Lower timing belt guard

Remove upper timing belt cover

install crank lock

Loosen camshaft sprocket bolt

Break loose cam sprocket

Loosen timing belt tensioner

Remove cam sprocket

Remove timing belt

Remove tensioner

Lock Injection Pump

Remove rollers

Inspect water pump

Install new water pump if necessary

Water pump bolts 11 ft lb

Install new large roller

Large roller bolt 30 ft lb plus 1/4 turn

Install new lower roller

Lower roller nut 16 ft lb

Install new upper roller

Upper roller bolt 15 ft lb

Replace cam seal

DO NOT DROP NUTS!!!!

Bearing cap Torque 15 ft lbs

Install new tensioner, verify tab properly located.

Install new belt on all pulleys

Loosen injection pump bolts

Set tension on tensioner

Tensioner torque 15 ft lb

Check pump pin, crank at tdc, cam at tdc and double-check cranklock

Tighten cam sprocket bolt

Cam Sprocket 33 ft lb

Tighten injection pump bolts

Remove camlock

Remove pump pin

Remove crank Lock

Rotate engine 2 full turns

Set camlock

Verify crank tdc

Repeat until TDC match

Install vac pump

vac pump bolts 15 ft lb

Install valve cover and ccv

valve cover bolts 84 INCH LBS

Clear all intake ports of obstruction

Bump motor without starting several times

Verify timing belt is tracking properly

VERY BRIEFLY start motor and shut off quickly to ensure engine will run

Install metal timing belt covers

Install engine mount bracket (raise and lower motor to access bolts)

Engine mount bracket 33 ft lb

Install vibration damper/pulley

Vibration damper pulley bolts 18 ft lb

Use blue loctite

Install motor mount

Motor mount bracket bolts 18 ft lb

Motor mount bolts to frame 30 ft lb plus 1/4 turn

Motor mount bolts to mount bracket 44 ft lb plus 1/4 turn

Install coolant tank

Install power steering reservoir

Install Serpentine belt

Install side skirt

Install intercooler pipes and elbow

Install airbox and intake tube

Install belly pan

If removed, reinstall tire

Lug nuts 87 ft lb

Check and set timing via vag-com

Injection pump bolts

(stretch type one time use): 15 ft lb plus 1/4 turn

(non-stretch type): 18 ft lb

If the injection timing is advanced, turn injection pump clockwise towards front of car. If the injection timing is retarded, turn injection pump counterclockwise towards rear of car.

