

2012-2019 Fiat 500 | Advanced | 3-4 hours | \$185 DIY

TOOLS

10mm Socket 13mm Socket 17mm Socket
Socket Wrench Torque Wrench Flathead
Screwdriver Jack Stands Engine Support
Bar Timing Belt Tensioner Tool Pry Bar

PARTS

Timing Belt 5EN125 \$50.00
Water Pump 5EN126 \$75.00
Timing Belt Tensioner 5EN127 \$30.00
Crankshaft Pulley Bolt 5EN128 \$10.00
Coolant 5EN129 \$20.00

STEPS

- 1 Disconnect the battery and drain the cooling system - Work on a cold engine. Disconnect** the negative battery cable. Drain the coolant into a pan. On the Fiat 500, timing-belt service usually includes the water pump - plan to replace the pump, tensioner, and idlers as a kit. Wear gloves and...
- 2 Set engine to TDC and lock the timing - Remove belts, pulleys, and timing covers as** required for access. Rotate the engine by hand to Top Dead Center on cylinder 1 and install the factory cam/crank locking pins or marks specified for this engine. Never rely on guesswork for timi...
- 3 Relieve tension and remove the old belt and pump - Release the timing-belt tensioner,** slide the belt off the sprockets, and remove the water pump with its bolts (note bolt lengths). Clean all gasket surfaces carefully - do not gouge aluminum mating faces.
- 4 Install the new water pump and timing components - Install the new water pump with the** specified gasket or sealant and torque bolts evenly. Fit the new tensioner and idlers. Route the new timing belt per the diagram with correct tooth engagement on crank and cam sprockets.
- 5 Set tension, verify marks, and reassemble - Apply tensioner preload per the procedure,** then double-check that all timing marks/locks still align. Rotate the engine by hand at least two full crank revolutions and reconfirm marks before refitting covers, pulleys, and accessory belts.
- 6 Refill coolant, start, and verify - Reconnect the battery, refill and bleed the cooling** system, then start the engine and listen for unusual timing noise. Confirm stable temperature, no coolant leaks at the pump, and normal oil pressure. Recheck coolant level after cooldown....