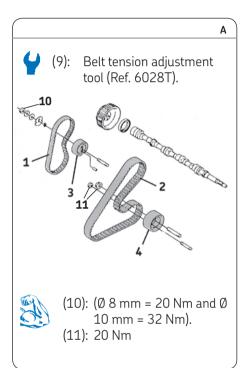
VKMA 03050

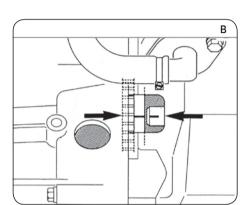
Citroën / Fiat / Peugeot





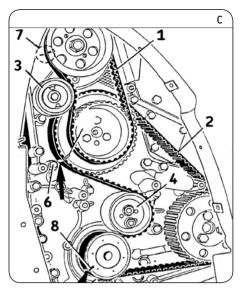
Removal

- 1) Disconnect the battery according to the vehicle manufacturing guidelines.
- 2) Prepare the vehicle for the timing replacement according to the vehicle manufacturing guidelines.
- Engage the 5th gear and set cylinder Nr1 at TDC by turning the raised wheel: alignment of the marks on the flywheel and the engine casing (Fig. B) and mark (5) on the camshaft gear opposite the bolt (6) (Fig. C).
- 4) Remove the wheel.
- 5) Trace a mark (7) on the gear of the injection pump and the engine block (Fig. C).
- 6) Loosen the nuts (10) and (11) on the tensioner rollers (3 and 4) (Fig. C) and compress the spring on each tensioner, tighten the nuts.
- 7) Remove the injection pump belt (1) then the timing belt (2).
- 8) Remove the tensioner rollers (3) and (4).



Install Confidence

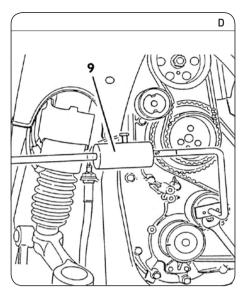






Caution! First carefully clean thoroughly the bearing surfaces of the rollers and of the tensioning device.

- Refit the new tensioner rollers (3 and 4) and tighten the nut (10) on the roller (3) with the spring compressed.
- 10) Fit the new timing belt (2) by aligning the belt on the marks (8) on the crankshaft gear and the mark (5) on the camshaft gear (Fig. C).
- 11) Loosen the nuts (11) on the tensioner roller (4).
- **12)** Fit onto the roller the tool (9): the tool weight on the mark 2 on the rod (**Fig. D**).
- Tighten the nuts (11) on the tensioner roller (4)
 (Ø 8 mm = 20 Nm and Ø 10 mm = 32 Nm).
- 14) Remove tool (9).
- **15)** Fit the injection pump belt **(1)** while matching the marks **(7)** on the injection pump gear and the engine block **(Fig. C)**.



- **16)** Loosen the nut of the tensioner roller (3), the belt tightens automatically.
- 17) Tighten the nut (10) at 20 Nm
- Turn the engine by 2 revolutions in the rotation direction and check the alignment of the marks (5), (7) and (8) (Fig. C).
- 19) Refit all the equipment removed previously.
- **20)** Refit the elements removed in reverse order to removal.
- **21)** Fill the cooling circuit with the permanent fluid recommended.
- 22) Check the circuit's leak-tightness when the engine reaches its running temperature and secure the level of coolant when the engine is at ambient temperature (20 °C).

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