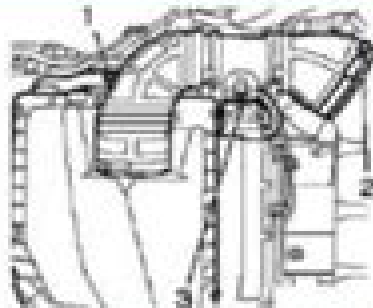


# Vauxhall Astra 2004-2009 Workshop Manual

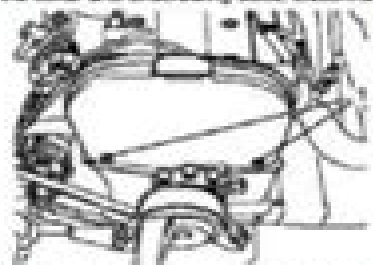


**Fig. 2.88.** Removing the air filter housing: 1 - the front cover of the toothed belt; 2 - mounting corners; 3 - Latch

Remove the air filter housing with the sensor mass air flow (**Fig. 2.88**).

Simply unplug the wiring harness connector sensor mass air flow.

Release the collar and unscrewing bolts, disconnect the air intake hose (inlet pipe).



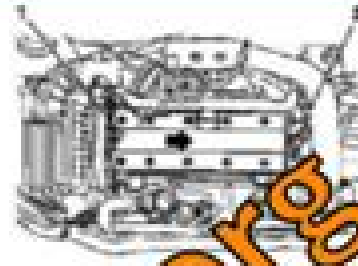
**Fig. 2.89.** Bolts for fastening the top of the belt toothed belt: 1 - bolts fastening

Loosen the mounting bolts and remove the upper belt toothed belt and the belt rear cover

Test



**Fig. 2.90.** Crankshaft position sensor (TPC) of the crankshaft: 1 - marks on the crankshaft head; 2 - a label at the crankshaft



**Fig. 2.91.** Components affecting in dismantling the ignition module: 1 - ignition module cover; 2 - wiring harness connector ignition module; 3 - a cap

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Loosen the mounting bolts and detach the ignition module from the spark plugs, using a special tool M-1009 (**Fig. 2.92**).

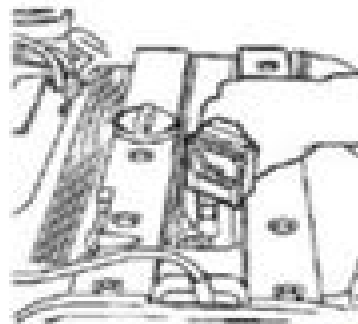
Remove the spark plug using a special tool M-104-B.

Open the throttle, using the device TSCM 2.

Use verification program compression (TSCM 2).

Use a compression tester with a rubber cone and a measurement range up to 1750 kPa (17.5 bar).

Verification procedure



**Fig. 2.94.** Connecting tester

Connect the tester and turn the starter at the 4 s (**Fig. 2.94**).

#### NOTE

Use a compression tester with a rubber cone and a measurement range up to 1750 kPa (17.5 bar).

# Vauxhall Astra Engine Repair Manual

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