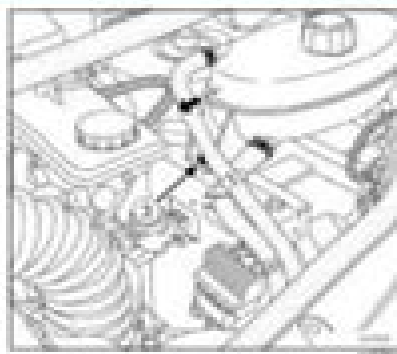
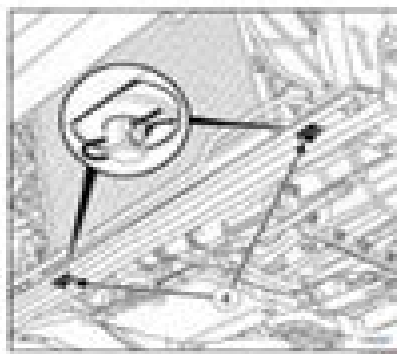


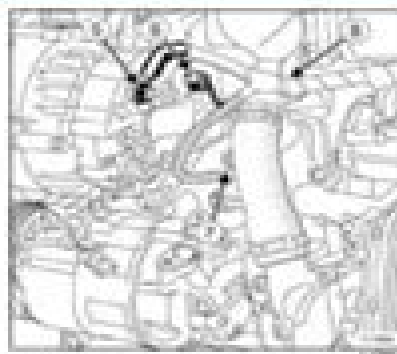
# Opel Vivaro 2001-2014 Workshop Manual



- 1 Remove the expansion bottle lock (B).
- 2 Remove the expansion bottle.



- 1 Remove the pins (B) from the cooling radiator.
- 2 Move the + radiator - condenser - water driven fan assembly forwards.



- 1 Remove the nut (B) from the alternator wiring harness.
- 2 Disconnect:
  - the connector (B) from the alternator wiring harness.
  - the oil pressure sensor (F).
- 3 Disconnect the wiring harness from the oil pump inlet pipe at (B).
- 4 Move the wiring to one side.
- 5 - OPERATION FOR REMOVAL OF PART CONCERNED



- 1 Remove the bolts (F) from the oil filter unit.
- 2 Disconnect the oil filter unit coolant outlet union hose.
- 3 Remove the oil filter unit.

## REFITTING

- 1 - REFITTING PREPARATION OPERATION
- 1 Clean

## REMOVAL

### 1 - REMOVAL PREPARATION OPERATION

- 1 Position the vehicle on a two-point lift (see Vehicle Lifting and strapping).
- 2 Disconnect the battery (see Battery Removal Refitting).
- 3 Drain the engine oil (see OIL Engine and oil sump assembly, Engine oil: Draining, page 10A-23).



- 1 Remove the bolt (F) from the power-assisted steering pipe on the oil filter unit.



- 1 Disconnect the oil pressure switch connector (B).
- 2 Fit hose clamps on the oil filter unit cooling hoses (B).

- 1 Remove the oil exchanger cooler hoses (B).

### 2 - REFITTING PART CONCERNED

1

#### Note:

The oil filter unit supplied by the spare parts department consists of an oil filter, an oil pressure sensor and a cap.

## 3 - REMOVAL OF PART CONCERNED



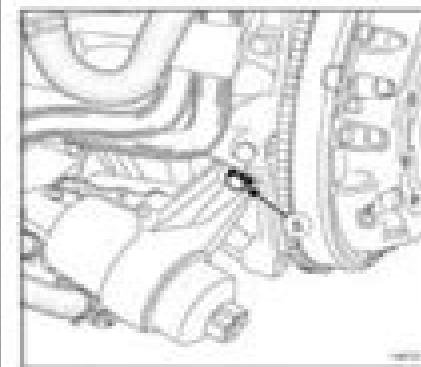
- 1 Remove

- the oil filter unit bolts (B).
- the oil filter unit.

## REFITTING

### 1 - REFITTING PREPARATION OPERATION

- 1 Replace the oil filter unit seal with a new seal.



- 1 Apply MASTROL on the TOC pre-mounting bolt (B).
- 2 Refit:
  - the oil filter unit.
  - the oil filter unit bolts.

### 2 - FINAL OPERATION

- 1 Refit the oil exchanger cooler hoses.
- 2 Remove the hose clamps from the oil filter unit cooling hoses.
- 3 Connect the oil pressure switch connector.
- 4 Refit the bolt to the power-assisted steering pipe on the oil filter unit.

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