



Section

**E**





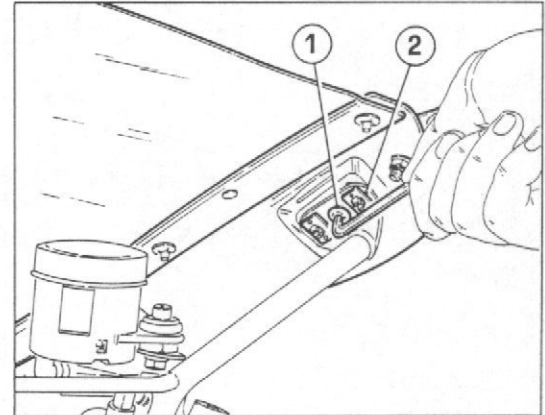
## GENERAL OPERATIONS

Headlight fairing removal (STREAMLINED VERSION)	E.5
Lower fairing removal (STREAMLINED VERSION) .....	E.6
Seat and rear fairing removal .....	E.7
Tank removal .....	E.8
Draining system removal .....	E.10
Cooling system removal .....	E.11
Exhaust valve control removal .....	E.12
Removal of the electric connections of the engine ....	E.12
Removal of the oil pump and clutch control cables ...	E.13
Carburettor removal .....	E.14
Removal of the gearbox control transmission and driving chain .....	E.15
Engine removal .....	E.15

**Headlight fairing removal (STREAMLINED VERSION).**

Unscrew the two screws (1) fastening the headlight fairing and the driving mirrors to the supporting frame.

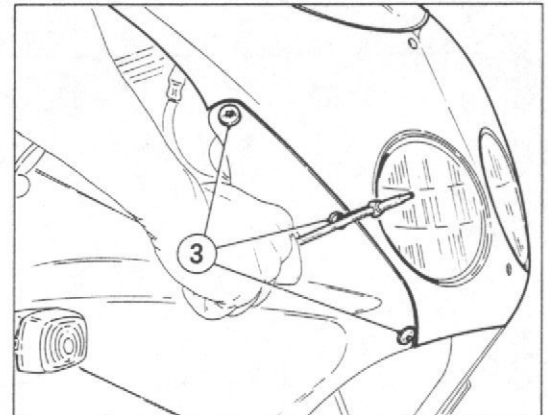
Release the mirrors from the suitable hooks (2) on the frame.

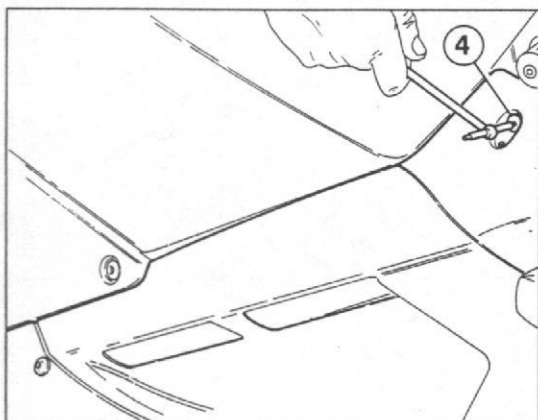
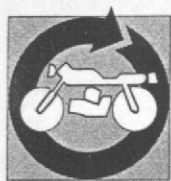


Unscrew the six screws (3) fastening the headlight fairing to the half fairings; remove the headlight fairing.



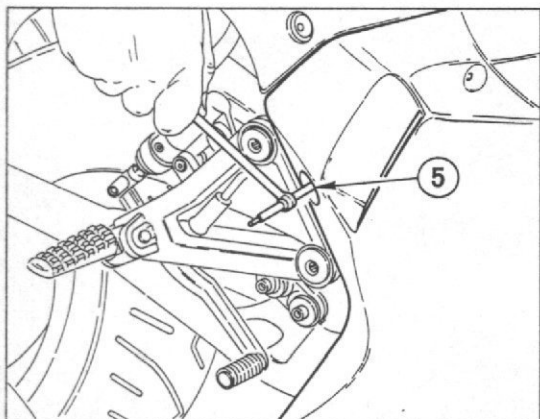
**Pay attention to the nylon washers located under the screws fastening all the body parts; they must be utilized again upon reassembly.**



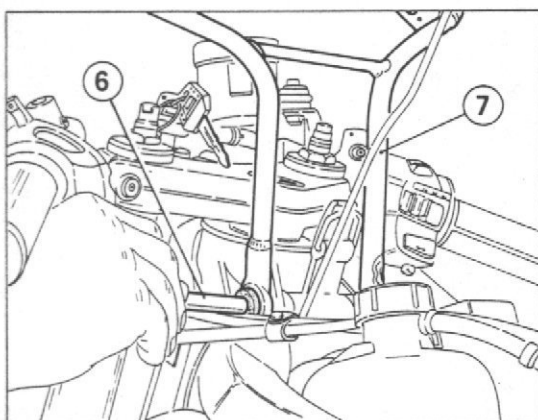


### Lower fairing removal (STREAMLINED VERSION).

Unscrew the two lateral screws (4) fastening the fairing to the fulcrum pin of the headlight fairing supporting frame.



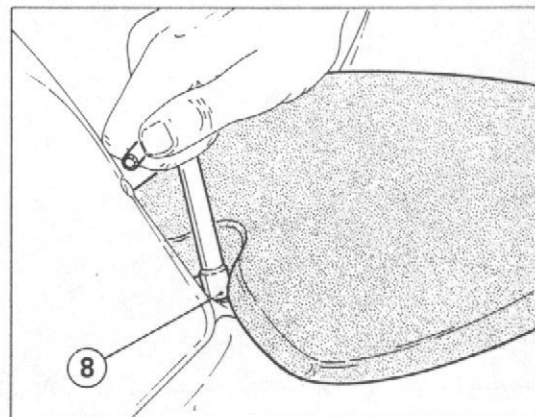
Unscrew the two screws (5) fastening the back of the fairing to the frame.  
Disconnect the connectors of the turn indicators (Blue/Blue cables for the L.H. indicator and Red-Black/Blue cable for the R.H. one).  
Remove the fairing by extracting it from the bottom.



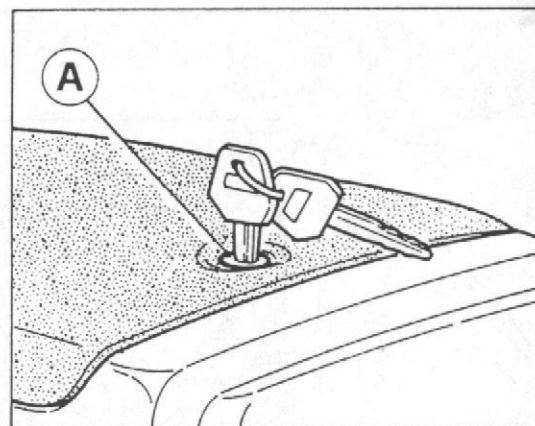
Remove the fulcrum pin (6) of the headlight fairing supporting frame (7); remove the headlight fairing.

**Seat and rear fairing removal.**

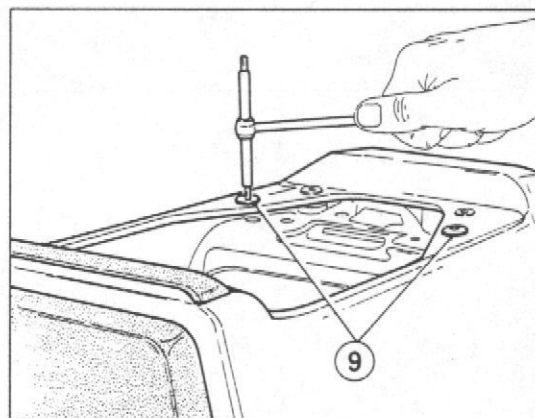
Unscrew the front fastening screw (8) of the pilot seat.  
Extract it from the rear fairing.



Remove the passenger seat by operating on the rear lock (A) with the switch key.

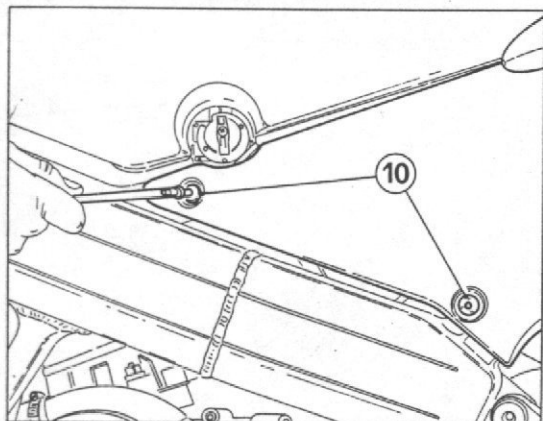


Unscrew the two screws (9) fastening the fairing to the supporting frame in the back.

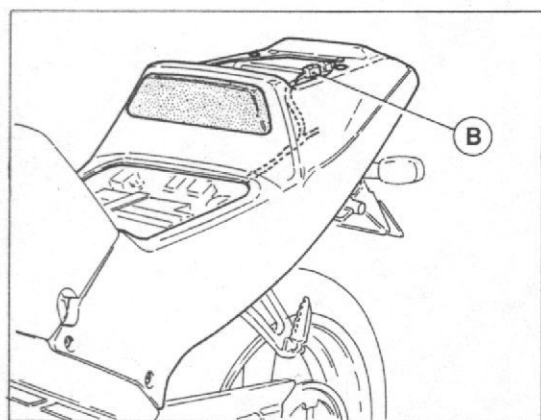




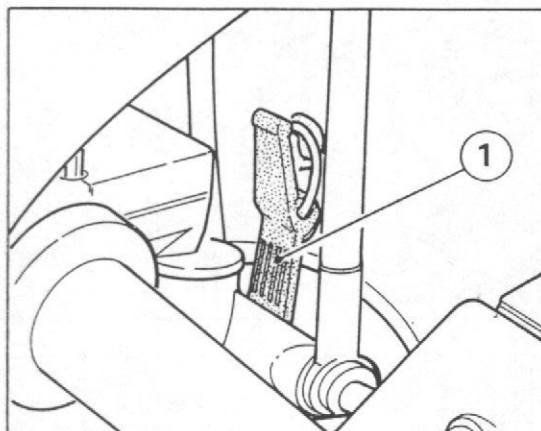
## GENERAL OPERATIONS



Unscrew the four screws (10) fastening the rear fairing to the bearing frame.



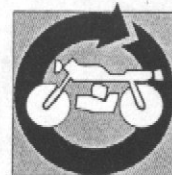
Disconnect the connector (B) of the rear harness, located in the inner compartment under the passenger seat. Remove the full rear fairing.



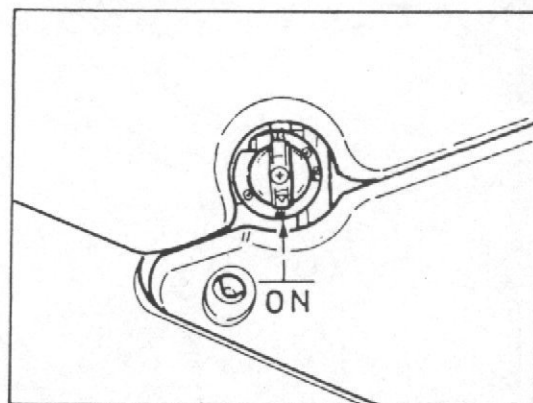
### **Tank removal.**

Release the front belt (1) and lift the fuel tank, holding it by means of the suitable rod.

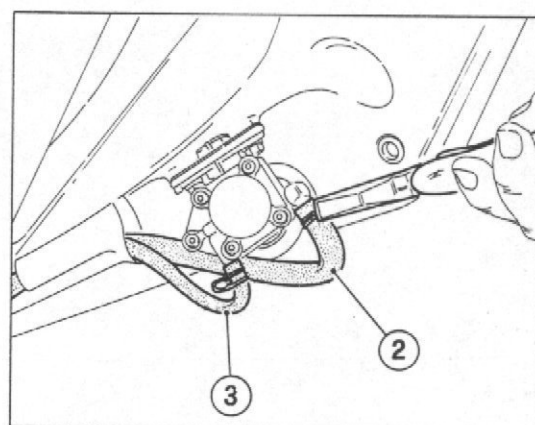




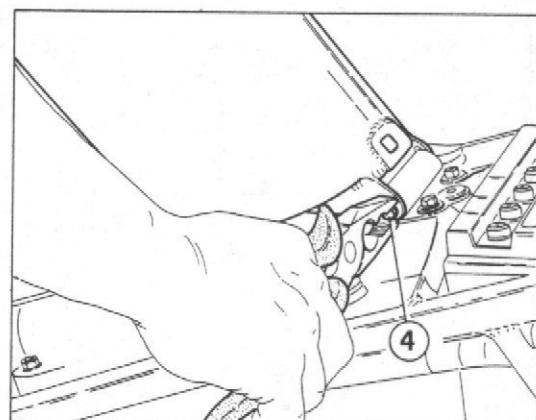
Set the fuel cock on "ON" position.

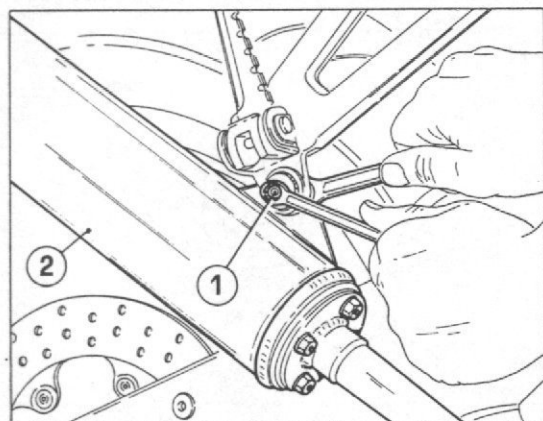


Unloose the clamps on the supply pipes (2) (bigger pipe) and on the piping (3) connected to the suction union. Remove the said pipings from the cock.



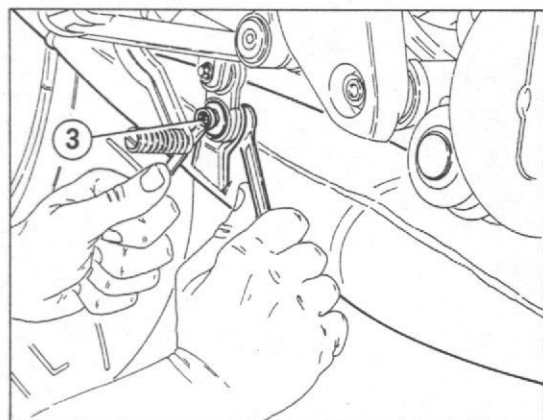
Take out the cotter on the rear fulcrum pin (4) of the fuel tank. Take out the pin and remove the tank with the breather piping.



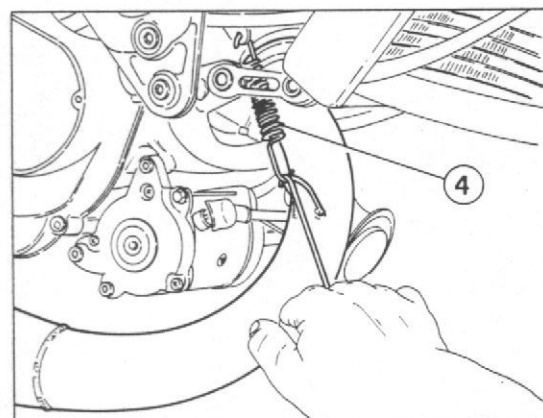


### Draining system removal.

By means of a 8 mm setscrew wrench for the screw (1) and a 10 mm one for the relevant nut, release the silencer (2) from its fastening to the passenger foot-rest support. Recover the spacer, rubber pad and washer.



By means of the same wrenches, unscrew the screw (3) on the plate fastening the drain pipe to the R.H. pilot foot-rest support. Recover the spacer, rubber pad and washer.

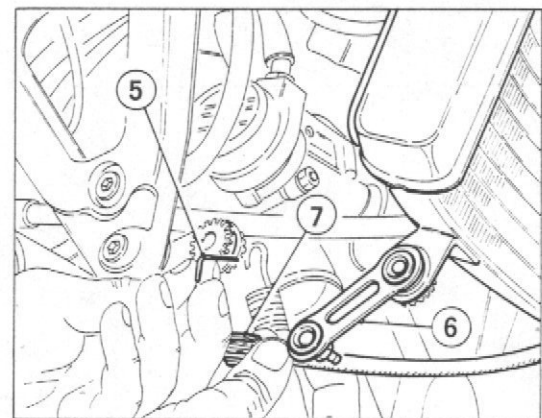
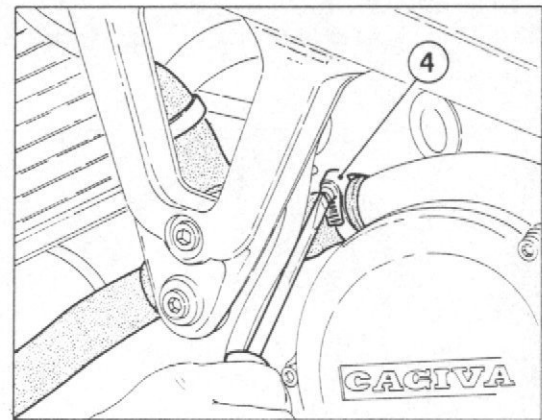
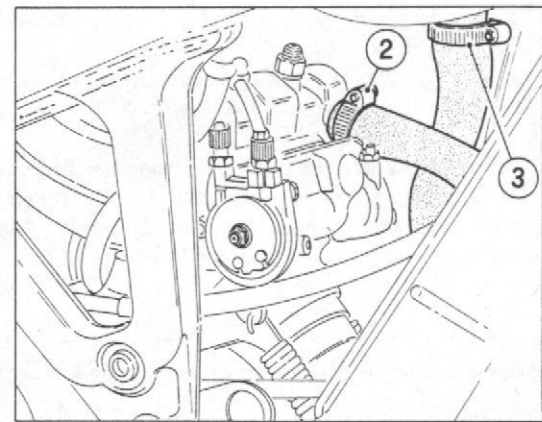
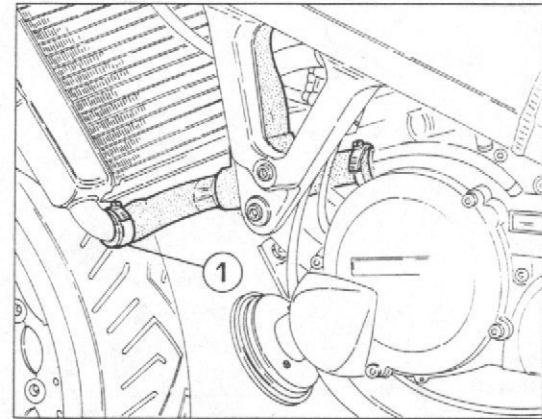


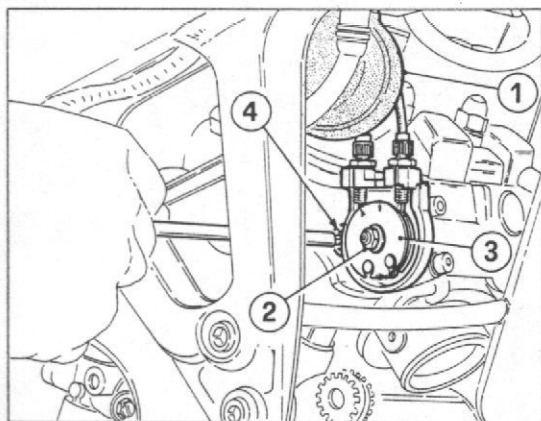
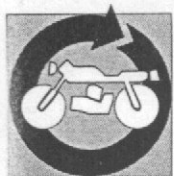
By means of the suitable tool, unhook the springs (4) from the fastening on the drain pipe. Remove the full drain pipe and recover the sealing gaskets on the cylinder.



**Cooling system removal.**

Drain the cooling fluid as described in the chapter "ADJUSTMENTS".  
 Unloose the clamps on the sleeve connecting the radiator (1), the head (2), the expansion tank (3) and the pump (4). Remove the said sleeve.  
 Take out the retainer (5) and disconnect the radiator support (6) on the R.H.side.  
 Unscrew the ring nut on the rev. counter cable (7), on the engine transmission.  
 After this operation, the radiator can be moved back as to the engine.

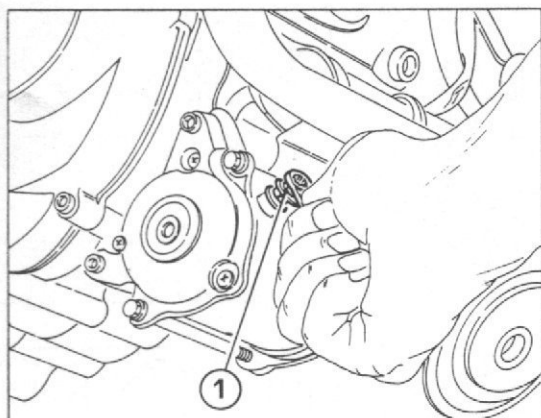




### Exhaust valve control removal.

Lift the protection cap (1) from the valve.

Using a 8 mm Allen wrench, loosen the nut (2) corresponding to the control pulley fulcrum (3) of the shaft. Loosen the screw (4) of the control cables support base and extract the base-pulley unit from the shaft; in this way, the control cables will remain connected to the pulley, so, during reassembly, it won't be necessary to check its clearance.



### Removal of the electric connections of the engine.

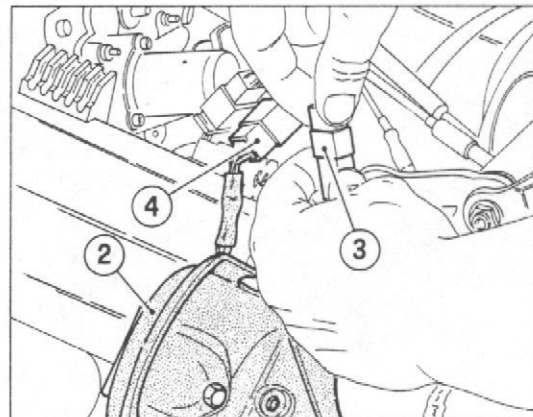
Disconnect the pipe from the sparking plug.

Disconnect the cable on the cooling fluid temperature indicator on the head.

Unscrew the nut (1) on the start motor and disconnect the supply cable.

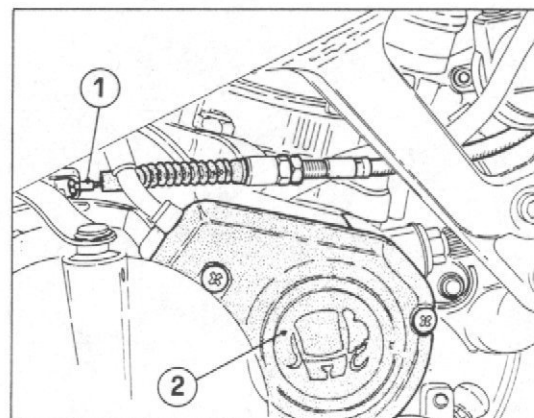


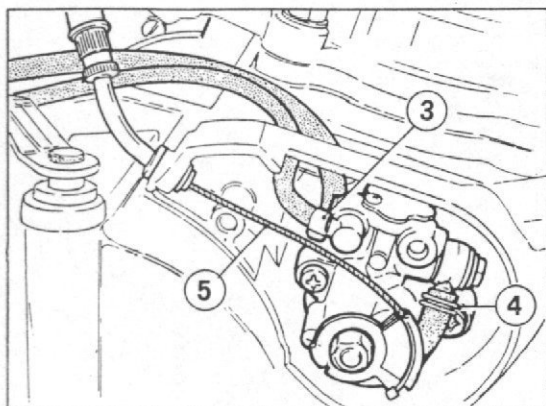
By operating on the inner L.H. side of the bearing frame, unscrew the nut and remove the protection cover (2) of the electric wiring harness. Disconnect the connector (3) of the alternator (Yellow cables) and the control box (4) (Red/black cables). Disconnect the pin on the cable of the idle gearbox indicator (R.H. side of the frame).



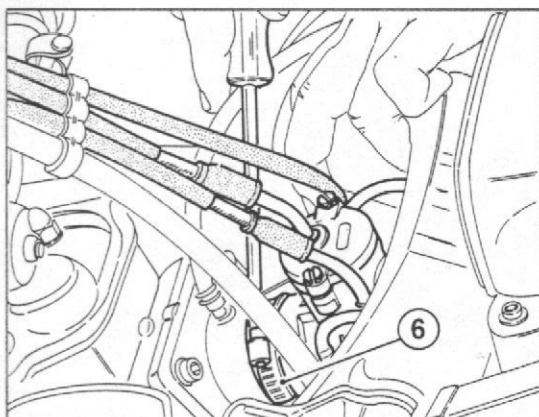
#### Removal of the oil pump and clutch control cables.

Unhook the terminal of the clutch control cable (1) from the disconnecting lever on the engine; take out this cable from the supporting plate on the engine. Remove the cover (2) of the oil pump compartment on the R.H. side of the engine.





By means of the suitable pliers code **49767**, unloose the clamp (3) on the oil delivery piping from the pump to the carburettor; disconnect this piping.  
Unloose the clamp (4) on the pump-oil tank piping; disconnect this piping from the union on the pump.  
Take out the terminal of the control cable (5) from the pump pulley and remove this cable from the casing.



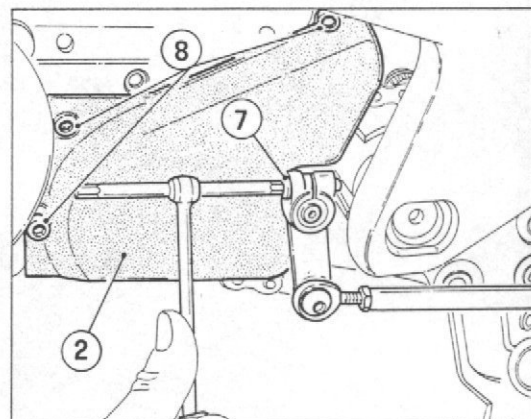
### Carburettor removal.

Remove the air inlet sleeve from the filter box.  
Unloose the clamp (6) on the union between the carburettor and the suction union; remove the carburettor from the union and hold it connected to the filter box and the control cables.

**Removal of the gearbox control transmission and driving chain.**

Fully unscrew the fastening screw (7) from the gearbox control transmission lever. Remove this lever from the gearbox control shaft.

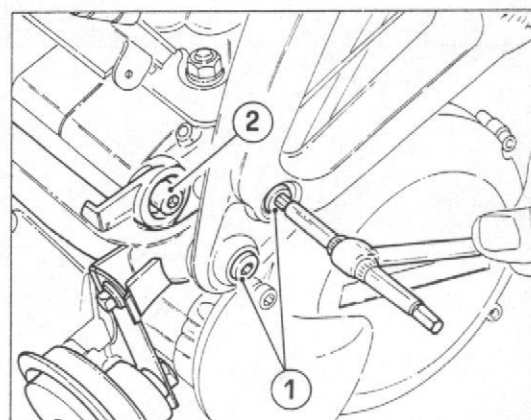
Unscrew the three fastening screws (8) of the pinion protection cover and remove it. Break the links of the chain and take it out of the engine pinion.

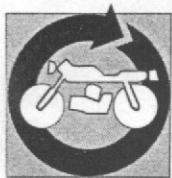
**Engine removal.**

Arrange a support under the engine.

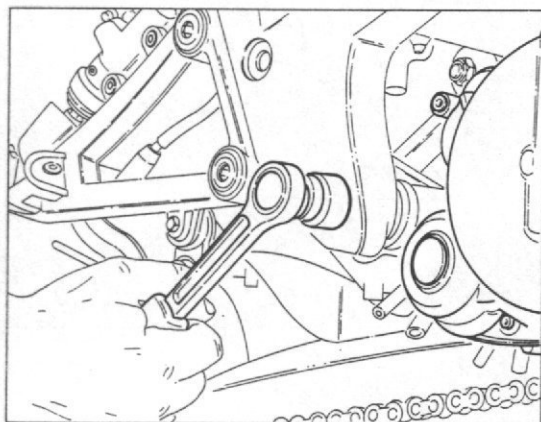
By means of a 6 mm setscrew wrench, unscrew the four screws (1) fastening the engine front support to the frame.

In order to better carry out the following operations, it is advisable to unscrew the screw (2) fastening the support to the engine, locking the nut on the opposite side; remove the front support.

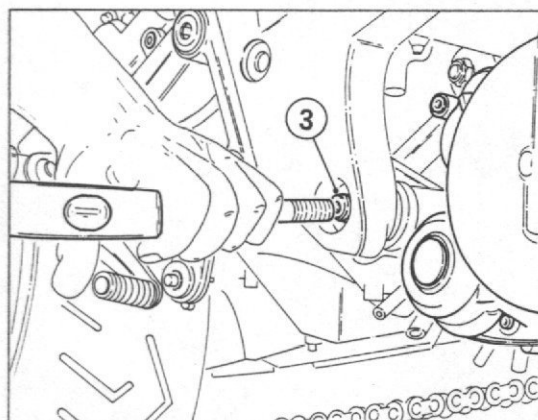




## GENERAL OPERATIONS



By means of a 22 mm socket wrench, operate on the R.H. side of the frame and unscrew the fastening nut of the fork pin.



By means of a suitable pad, make the fork pin (3) come out of its seat, until the engine is released from this fastening.  
Remove the full engine from the frame.