

REMOVING - REFITTING : PETROL INJECTOR

URGENT : Observe the safety and cleanliness recommendations.

CAUTION : After switching off the ignition: wait 15 minutes before disconnecting the battery, to ensure that the initialisations of the various ECUs are memorised.

URGENT : Respect the safety and cleanliness requirements that are specific to petrol direct injection (HPi) vehicles.

1. Recommended tools

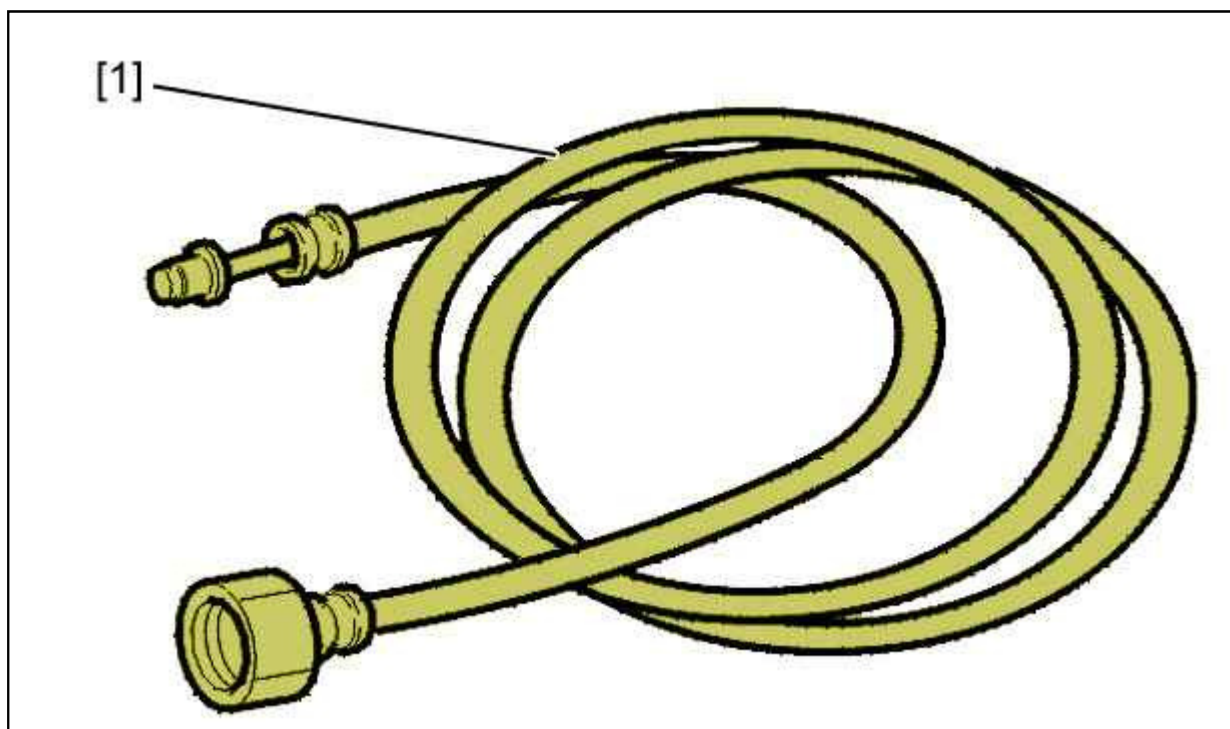


Figure : E5AP377D

[1] Pipe with adaptor for SHRADER valve (-).0141-T1.

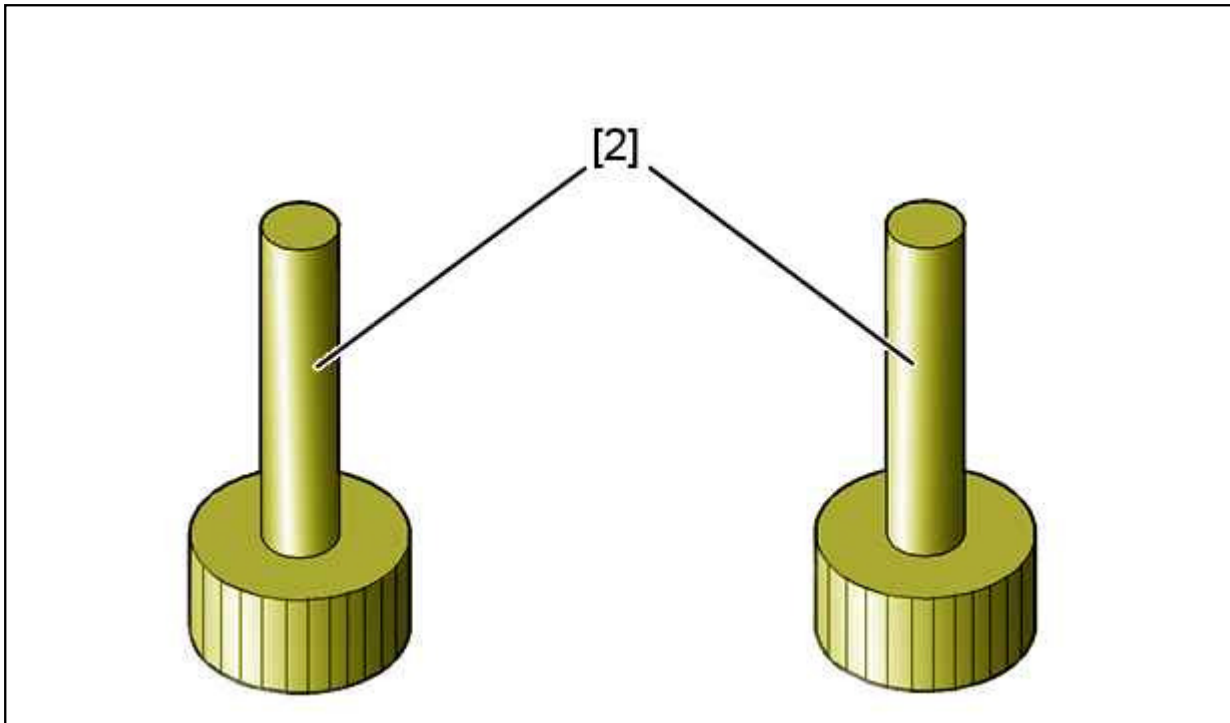


Figure : E5AM01KD

[2] Blanking cover for snap-on unions (-).1520.

2. Removing

CAUTION : Fit plugs at the inlet manifold air inlet.

Place the vehicle on a 2 -post lift.

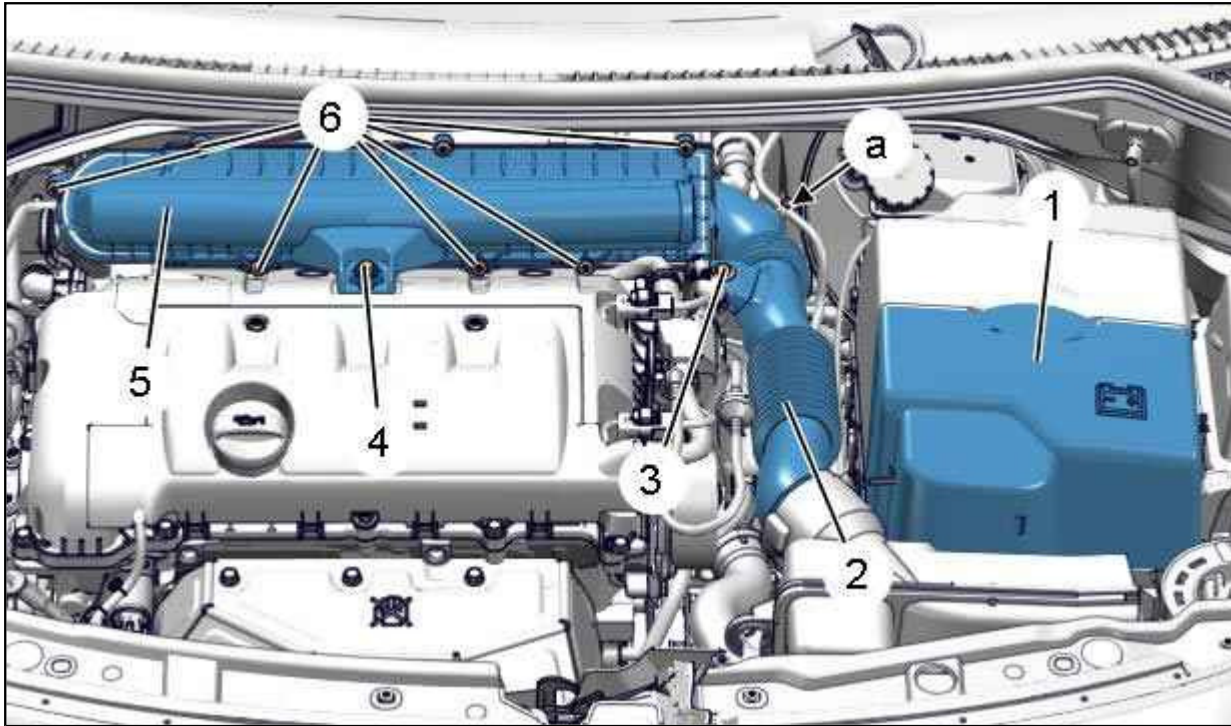


Figure : B1HM0AWD

Remove : The battery style cover (1).

Disconnect the battery.

Unclip : The vacuum circuit pipe (as "a").

Remove :

- The air inlet hose fixing bolt (3)
- The air entry union (2)
- The air filter cover fixing bolts (6), (4)
- The air filter cover (5)

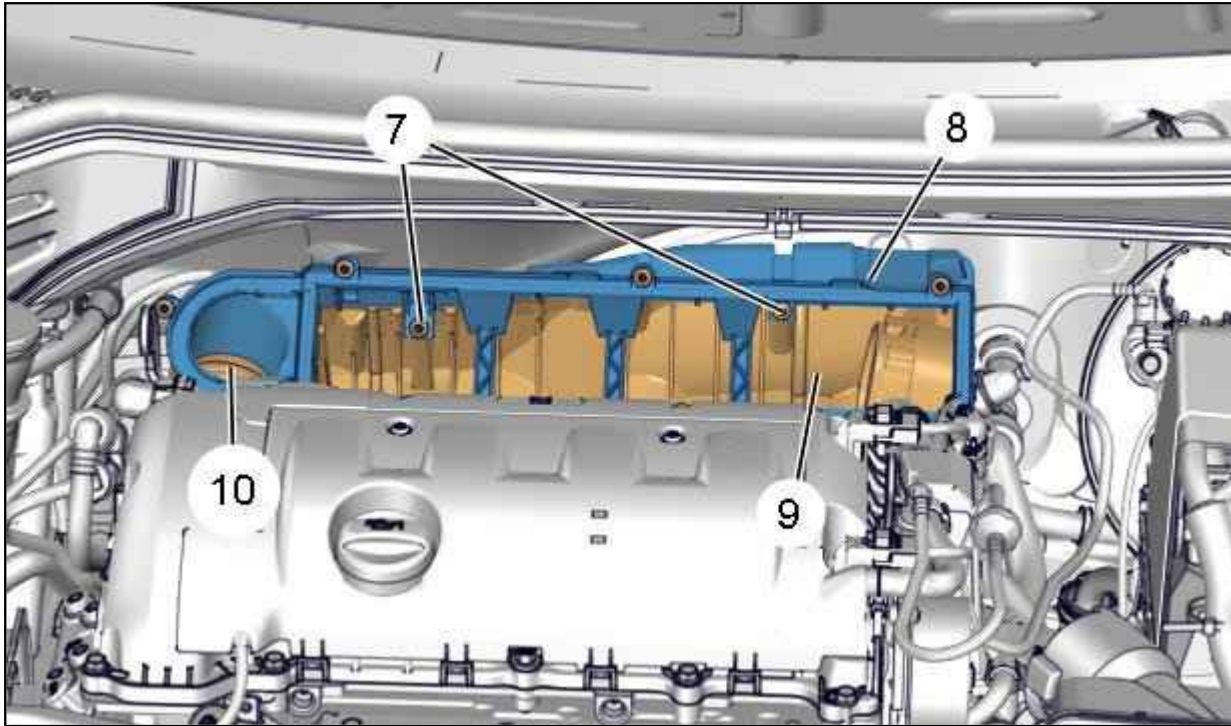


Figure : B1HM0AXD

Remove :

- The bolts (7)
- The intermediate mounting (8)
- The air filter housing (9)
- The air entry union (10)

CAUTION : Block the inlet air entry to the butterfly housing ; Using plugs .

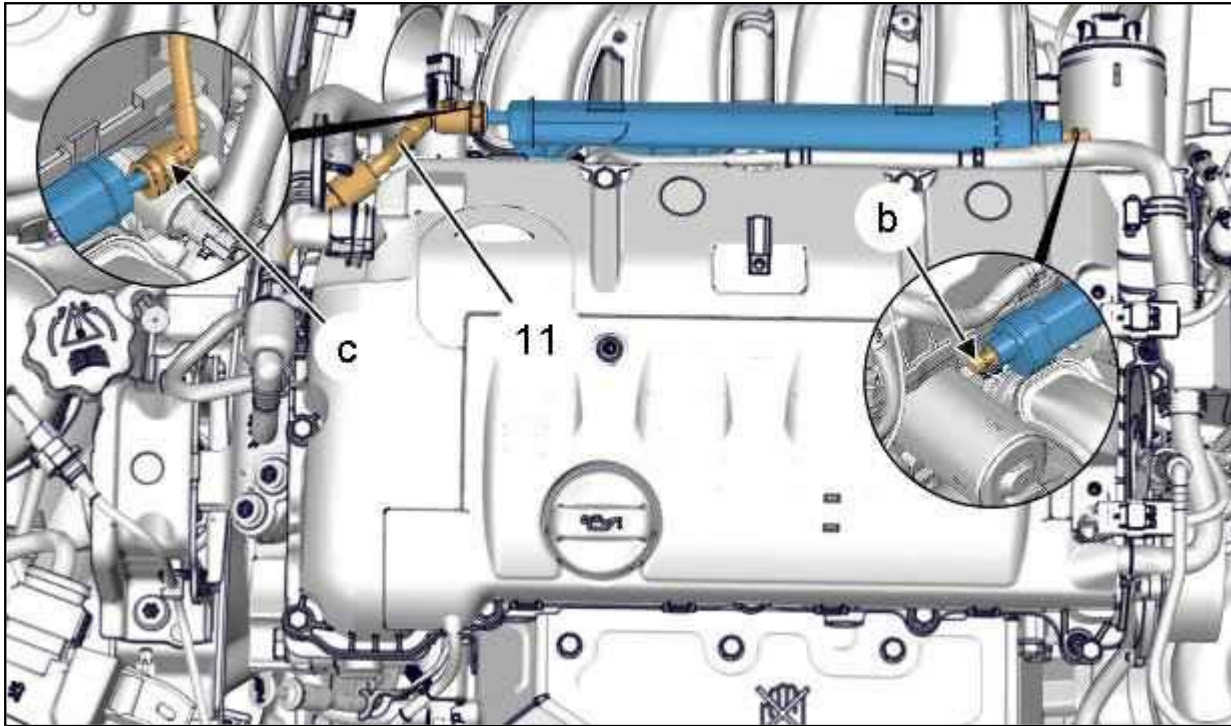


Figure : B1HM0AYD

URGENT : Drop the petrol pressure by connecting the end of the tool [1] onto the valve SHRADER and collect the fuel in a receptacle(as "b").

URGENT : When connecting tool [1] protect yourself with a rag, to prevent any fuel spraying out(maximum residual pressure of 4,5 bar in the common injection rail).

CAUTION : Clean : The unions of the fuel supply pipes on the injection manifold.

Uncouple : The fuel supply pipe (11) (as "c").

N.B. : Close : The fuel supply pipe (11) ; Using tool [2].

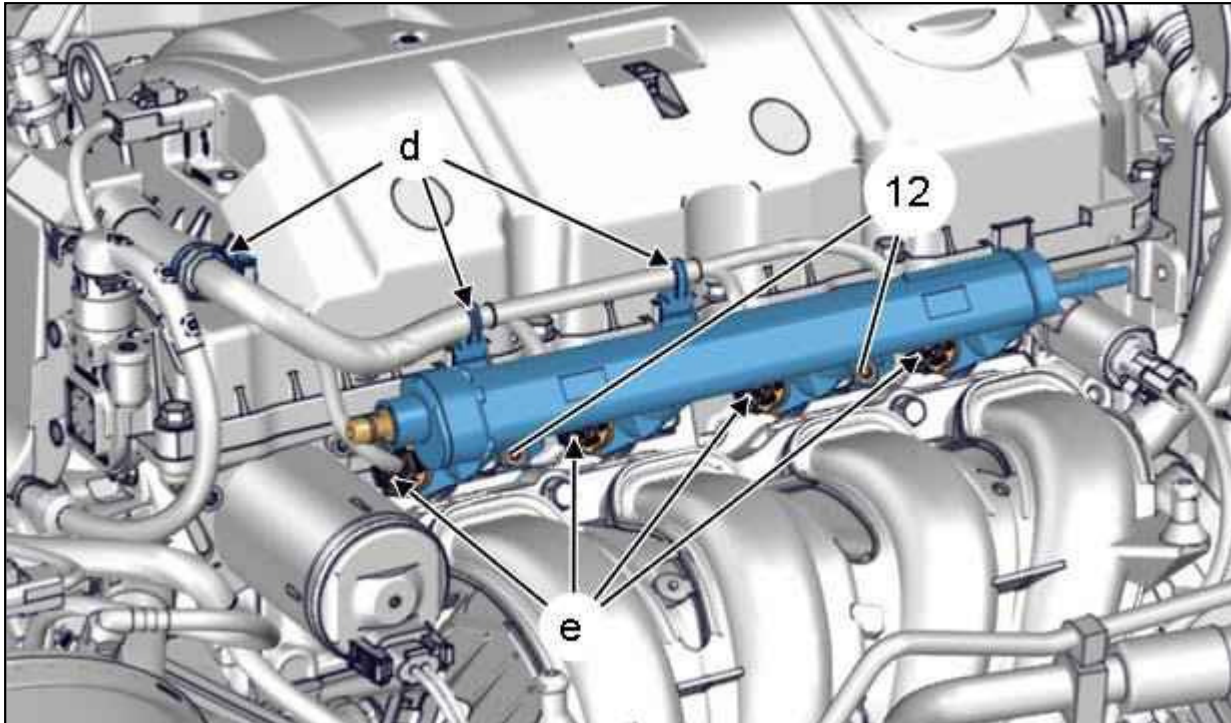


Figure : B1HM0AZD

Unclip : The injection supply harness (as "d").
 Remove the bolts (12).
 Release ; Raise : The injection rail/petrol injectors assembly.
 Unplug : The supply connectors of the petrol injectors (as "e").

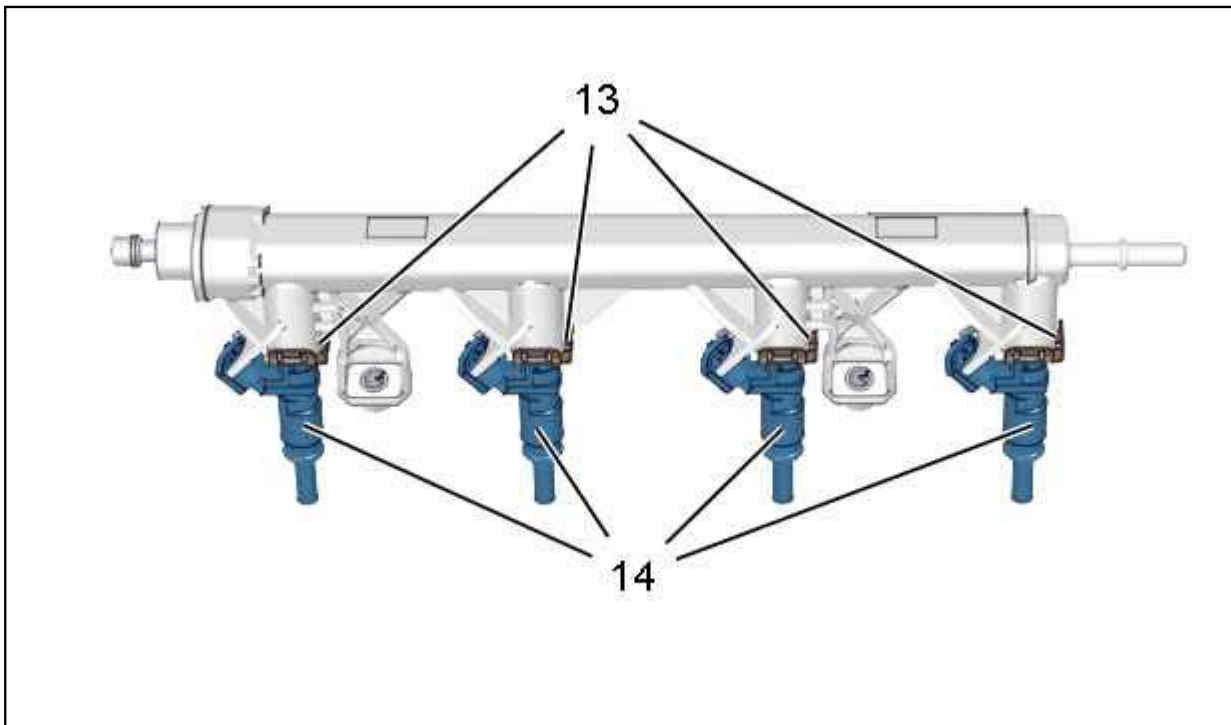


Figure : B1HM0B0D

Remove :

- The clips (13)
- The petrol injectors (14)

3. Refitting

CAUTION : Replace the seals with new seals.

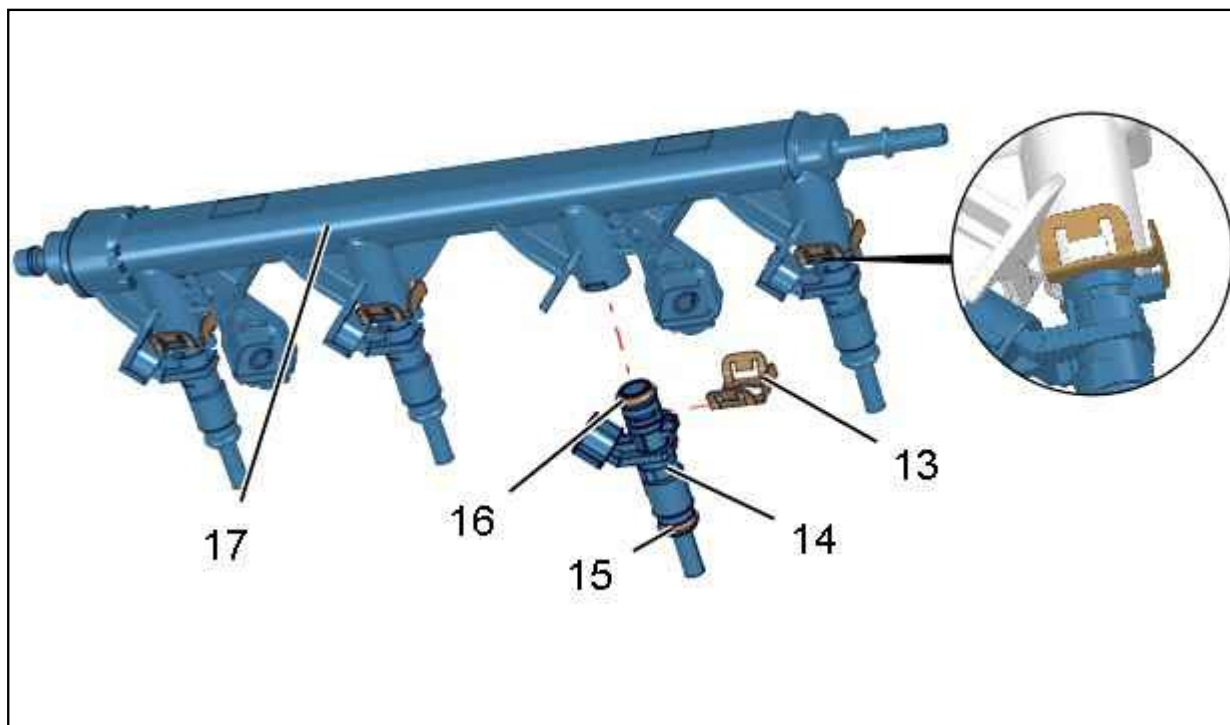


Figure : B1HM0B1D

Fit : The new seals (15), (16) (On the petrol injectors (14)).

Fit : The clips (13) (On the petrol injectors (14)).

Engage and clip the petrol injectors (14) into the injection manifold (17).

Refit the injector rail/petrol injectors assembly.

Connect : The supply connectors of the petrol injectors (as "e").

Refit the bolts (12) ; Tighten to the specified torque.

Clip :

- The injection supply harness (as "d")
- The fuel supply pipe (11) (as "c")

CAUTION : Remove : The plug from the inlet air entry of the butterfly housing.

Fit :

- The air entry union (10)
- The air filter housing (9)
- The intermediate mounting (8)
- The bolts (7)
- The air filter cover (5)
- The bolts (Air filter cover (4), (6))
- The air entry union (2)
- The bolt (Air inlet union (3))

Clip : The vacuum circuit pipe (as "a").

Connect the battery.

Fit : The battery style cover (1).