

TOP AND FRONT OF ENGINE

Cylinder head: Removal - Refitting

11A

F4R, and 830

- the throttle valve (see **12A, Fuel mixture, Throttle valve: Removal - Refitting**, page **12A-33**) ,
- ☐ Perform the following operations:
 - top up the engine oil (see **10A, Engine and cylinder block assembly, Engine oil: Draining - Refilling**, page **10A-13**) ,
 - refill the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page **19A-16**) .
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Bleed the cooling system (see **Cooling system: Bleed**) .
- ☐ Refit the engine undertray.
- ☐ Using the **Diagnostic tool**, check that there are no faults stored by the injection computer and clear them if necessary.

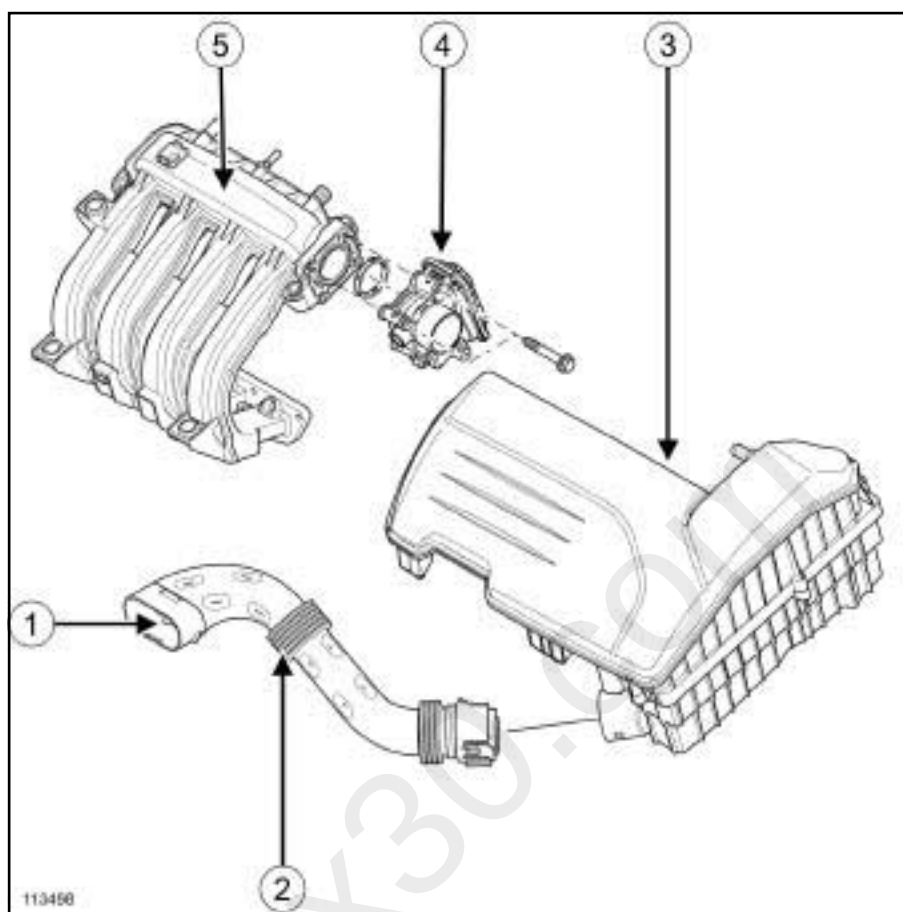
FUEL MIXTURE

Air inlet: Description

12A

D4F

D4F, and 740 or 742 or 764



- (1) Air inlet
- (2) Air inlet trunking
- (3) Air filter unit
- (4) Motorised throttle valve
- (5) Inlet manifold

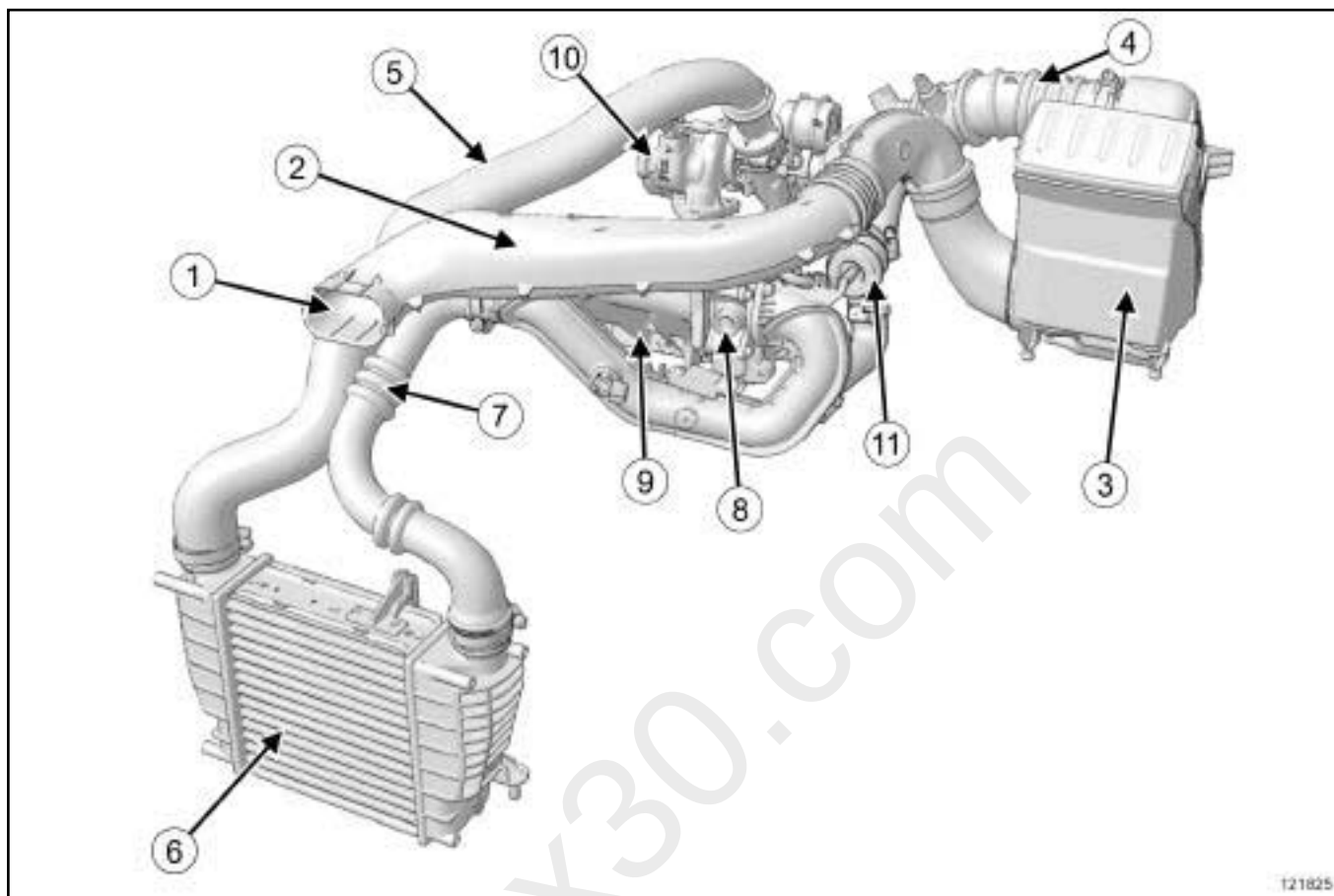
FUEL MIXTURE

Air inlet: Description

12A

D4F

D4F, and 784



121825

121825

- | | |
|------|--------------------------------|
| (1) | air inlet |
| (2) | Air filter box air inlet pipe |
| (3) | Air filter unit |
| (4) | Air filter box outlet air pipe |
| (5) | Turbocharger air outlet pipe |
| (6) | Intercooler |
| (7) | Intercooler air outlet pipe |
| (8) | Motorised throttle valve |
| (9) | Inlet manifold |
| (10) | Turbocharger |
| (11) | Compressor discharge valve |

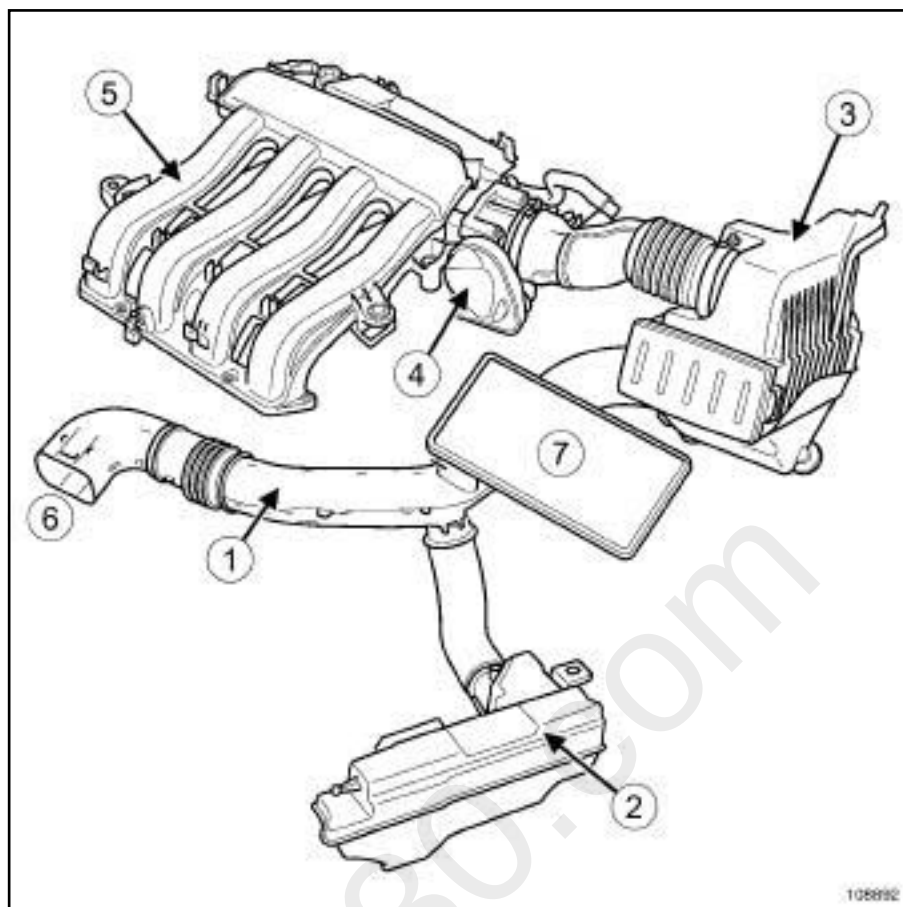
FUEL MIXTURE

Air inlet: Description

12A

K4J or K4M

Diagram of the air inlet circuit



- (1) Air inlet sleeve
- (2) Air resonator
- (3) Air filter unit
- (4) Throttle valve
- (5) Plenum chamber
- (6) Air inlet
- (7) Air resonator

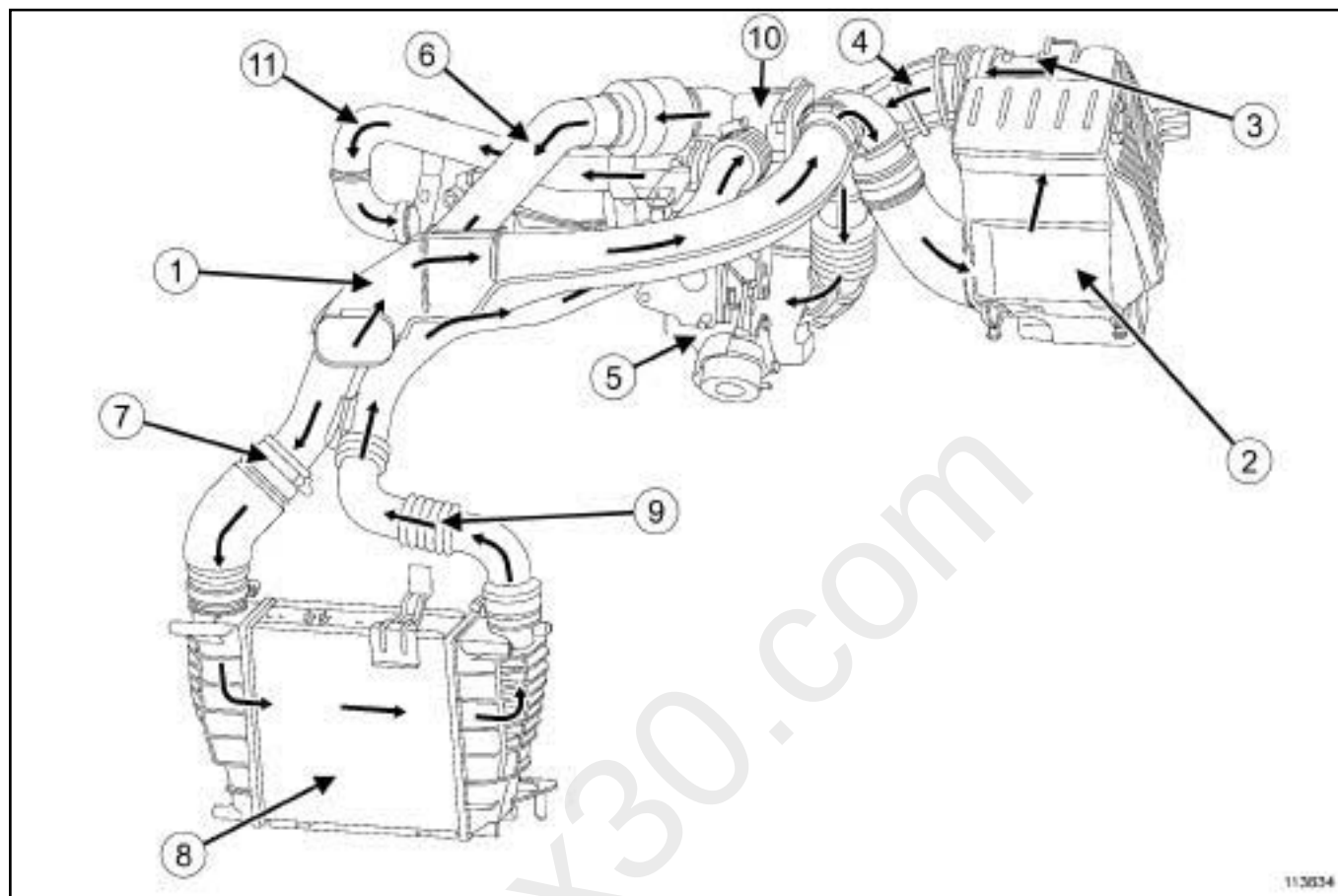
FUEL MIXTURE

Air inlet: Description

12A

K9K

K9K, and 764 or 772



113834

- | | |
|------|---------------------------------|
| (1) | Air filter unit air inlet pipe |
| (2) | Air filter unit |
| (3) | Air flowmeter |
| (4) | Air filter unit air outlet pipe |
| (5) | Turbocharger |
| (6) | Turbocharger air outlet pipe |
| (7) | Intercooler air inlet pipe |
| (8) | Intercooler |
| (9) | Intercooler air outlet pipe |
| (10) | Damper valve |
| (11) | Metal air inlet tube |

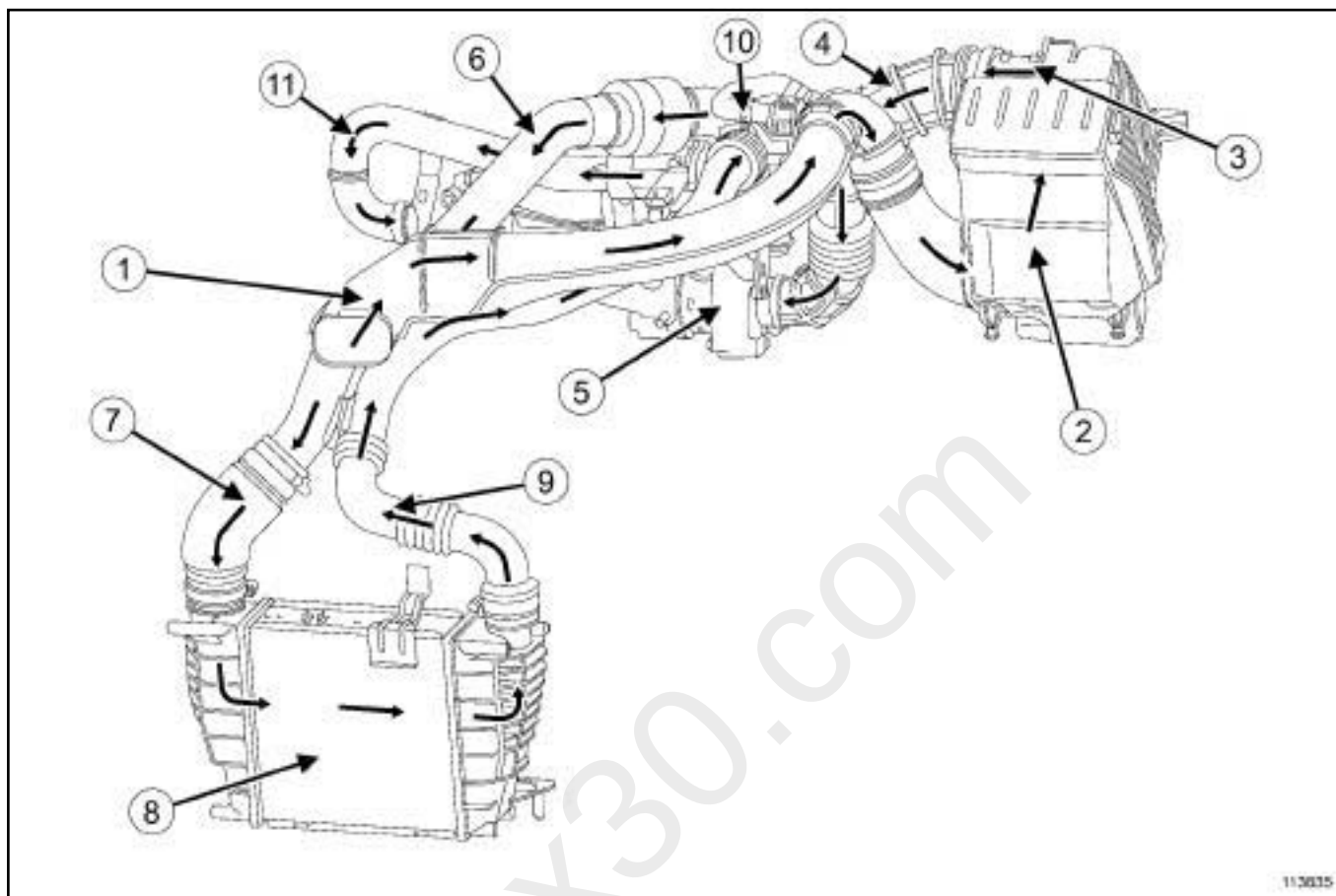
FUEL MIXTURE

Air inlet: Description

12A

K9K

K9K, and 766



113835

- | | |
|------|---------------------------------|
| (1) | Air filter unit air inlet pipe |
| (2) | Air filter unit |
| (3) | Air flowmeter |
| (4) | Air filter unit air outlet pipe |
| (5) | Turbocharger |
| (6) | Turbocharger air outlet pipe |
| (7) | Intercooler air inlet pipe |
| (8) | Intercooler |
| (9) | Intercooler air outlet pipe |
| (10) | Oil vapour recirculation valve |
| (11) | Metal air inlet tube |

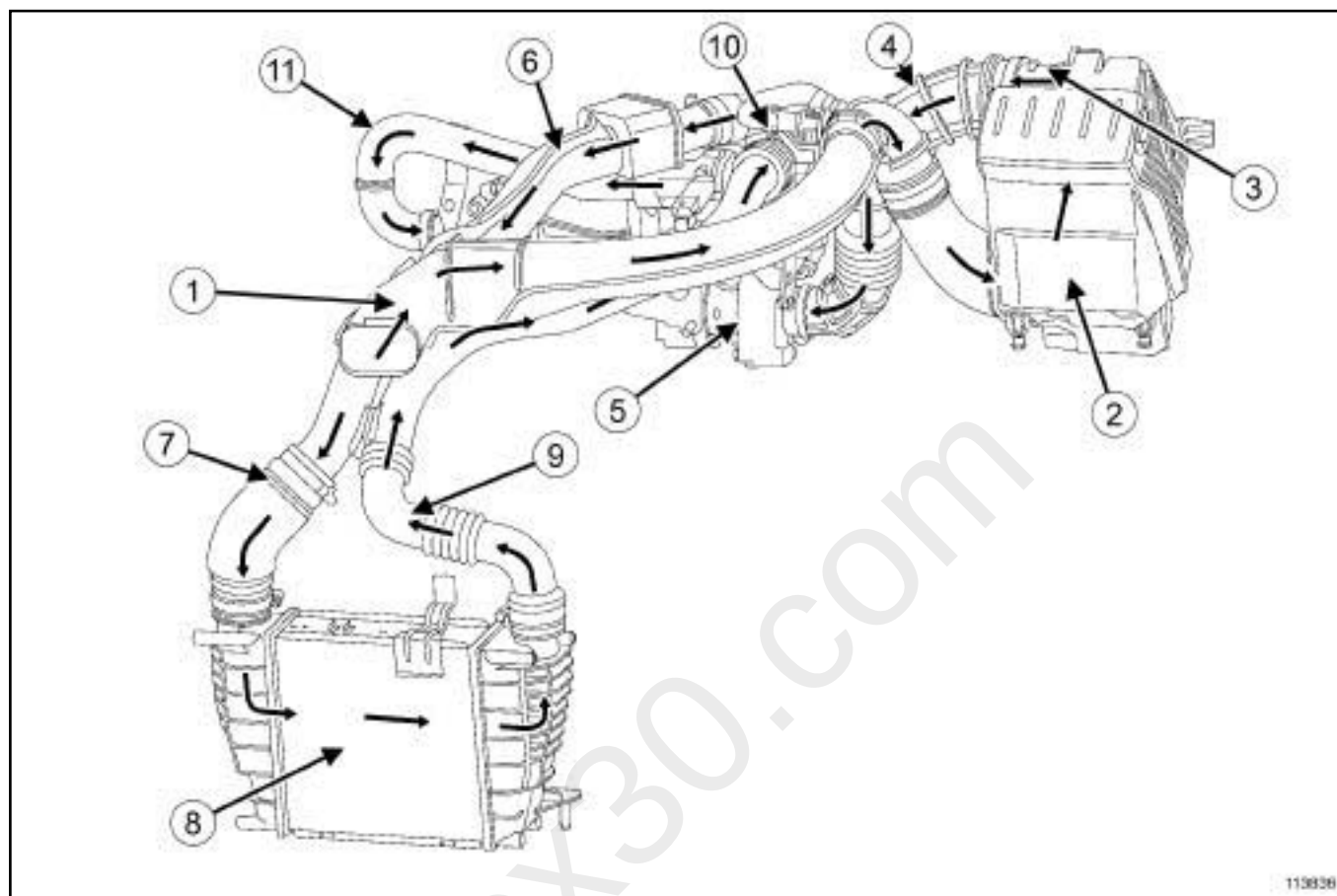
FUEL MIXTURE

Air inlet: Description

12A

K9K

K9K, and 768

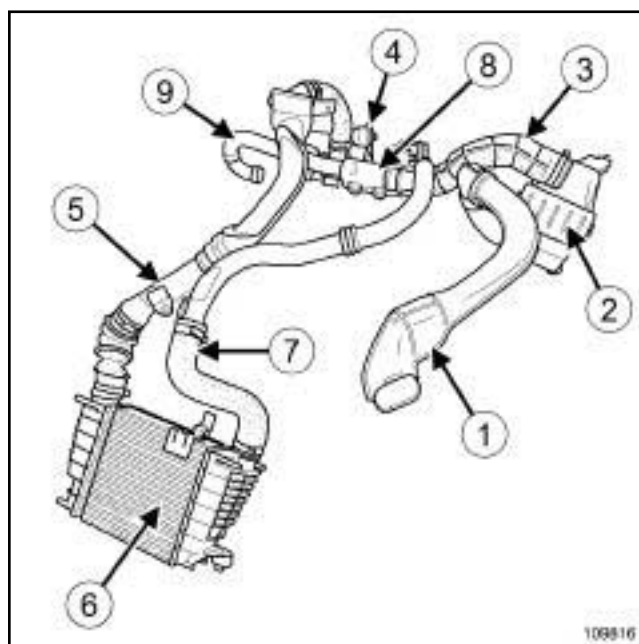


113836

113836

- (1) Air filter unit air inlet pipe
- (2) Air filter unit
- (3) Air flowmeter
- (4) Air filter unit air outlet pipe
- (5) Turbocharger
- (6) Turbocharger air outlet pipe
- (7) Intercooler air inlet pipe
- (8) Intercooler (if equipped)
- (9) Intercooler air outlet pipe
- (10) Oil vapour recirculation valve
- (11) Metal air inlet tube

K9K, and 750



109816

109816

FUEL MIXTURE

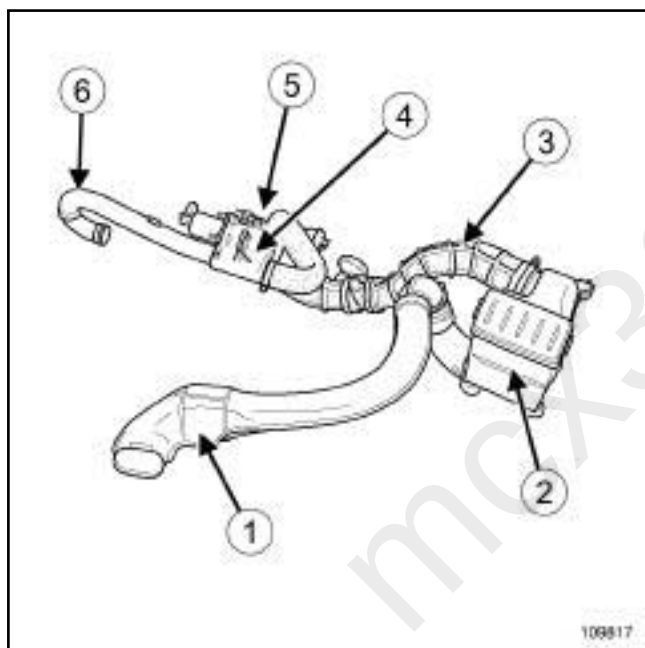
Air inlet: Description

12A

K9K

- (1) Air filter unit air inlet pipe
- (2) Air filter unit
- (3) Air filter unit air outlet pipe
- (4) Turbocharger
- (5) Intercooler air inlet pipe
- (6) Intercooler
- (7) Intercooler air outlet pipe
- (8) Exhaust gas recirculation unit
- (9) Metal air inlet tube

K9K, and 752



109817

- (1) Air filter unit air inlet pipe
- (2) Air filter unit
- (3) Air filter unit air outlet pipe
- (4) Exhaust gas recirculation unit
- (5) Turbocharger
- (6) Metal air inlet tube

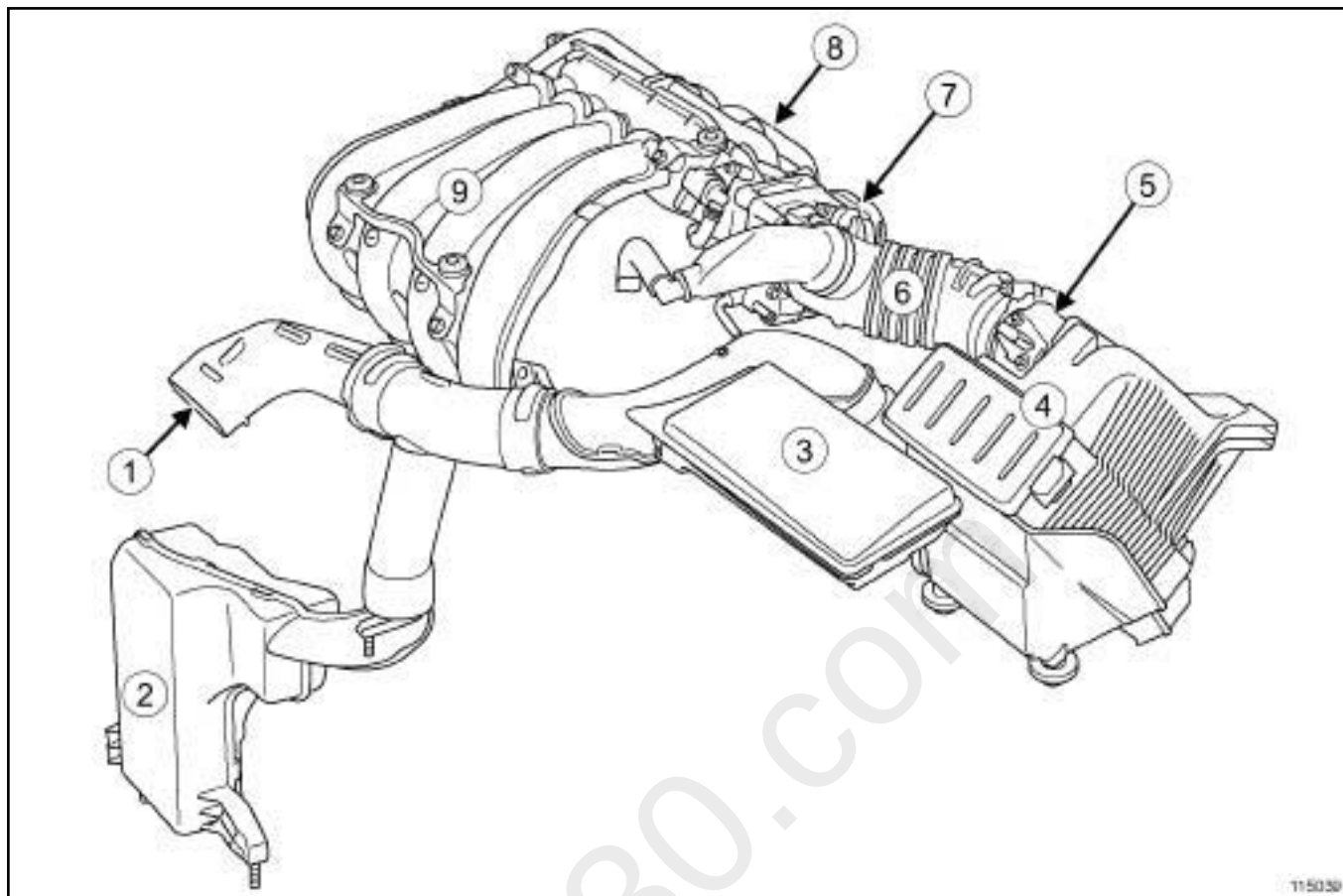
FUEL MIXTURE

Air inlet: Description

12A

M4R

Air inlet circuit



115039

115039

- | | |
|-----|----------------------------------|
| (1) | Air inlet sleeve |
| (2) | Air resonator on front end panel |
| (3) | Air resonator on battery |
| (4) | Air filter unit |
| (5) | Air flowmeter |
| (6) | Air inlet duct |
| (7) | Motorised throttle valve |
| (8) | Air resonator on inlet manifold |
| (9) | Inlet manifold |