

oxygen sensors - 1/2 square drive and 24 mm hexagonal ext.([Mot. 1495](#)) connected to a universal joint
(see **Engine and transmission assembly sensors: List and location of components**) .

REFITTING

1. REFITTING PREPARATION OPERATION



Clean the threading of the upstream and downstream oxygen sensor using a wire brush.



Use surface cleaner [Vehicle: Parts and consumables for the repair](#) to clean and degrease:



the thread hole of the upstream and downstream oxygen sensor on the catalytic pre-converter,



the threading of the upstream and downstream oxygen sensor if it is to be reused.

2. REMOVAL OPERATION



Refit the upstream and downstream oxygen sensor using the tool 22 mm socket for removal - refitting of oxygen sensors - 1/2 square drive and 24 mm hexagonal ext.([Mot. 1495](#)) (see **Engine and transmission assembly sensors: List and location of components**) .



Torque tighten the upstream and downstream oxygen sensor using the tool 22 mm socket for removal - refitting of oxygen sensors - 1/2 square drive and 24 mm hexagonal ext.([Mot. 1495](#)) (see **Engine and transmission assembly sensors: List and location of components**) .



Proceed in the reverse order to removal.



OXYGEN SENSORS: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

22 mm socket for removal - refitting of oxygen sensors - 1/2 square drive and 24 mm hexagonal ext.

Mot. 1495

CAUTION



Do not use any product designed to improve the electrical contact in the injection computer and oxygen sensor connectors or on the bodies of the oxygen sensors.

Failure to respect this advice causes the oxygen sensor to malfunction and results in failure to comply with the emission control standard.



CAUTION

If the connections are corroded, repair the wiring (see Wiring: Precautions for repair) (Technical Note 6015A, 88A, Wiring).

Note:



This procedure is for removal - refitting of the upstream oxygen sensor and the downstream oxygen sensor.

Locations and specifications (tightening torques, parts always to be replaced, etc.)(see **Engine and transmission assembly sensors: List and location of components**) .

REMOVAL

1. REMOVAL PREPARATION OPERATION

1- REMOVING THE DOWNSTREAM OXYGEN SENSOR



Move the clip of the high pressure discharge duct from the turbo-manifold air inlet pipe([see 12A, Fuel mixture, Air inlet assembly: Exploded view](#)) .



Disconnect:



the high pressure discharge duct from the turbo-manifold air inlet pipe([see 12A, Fuel mixture, Air inlet assembly: Exploded view](#)) ,



the air inlet pressure sensor from the turbo-manifold air inlet pipe(see **Engine and transmission assembly sensors: List and location of components**) ,



the petrol vapour rebreather pipe from the turbo-manifold air inlet pipe.



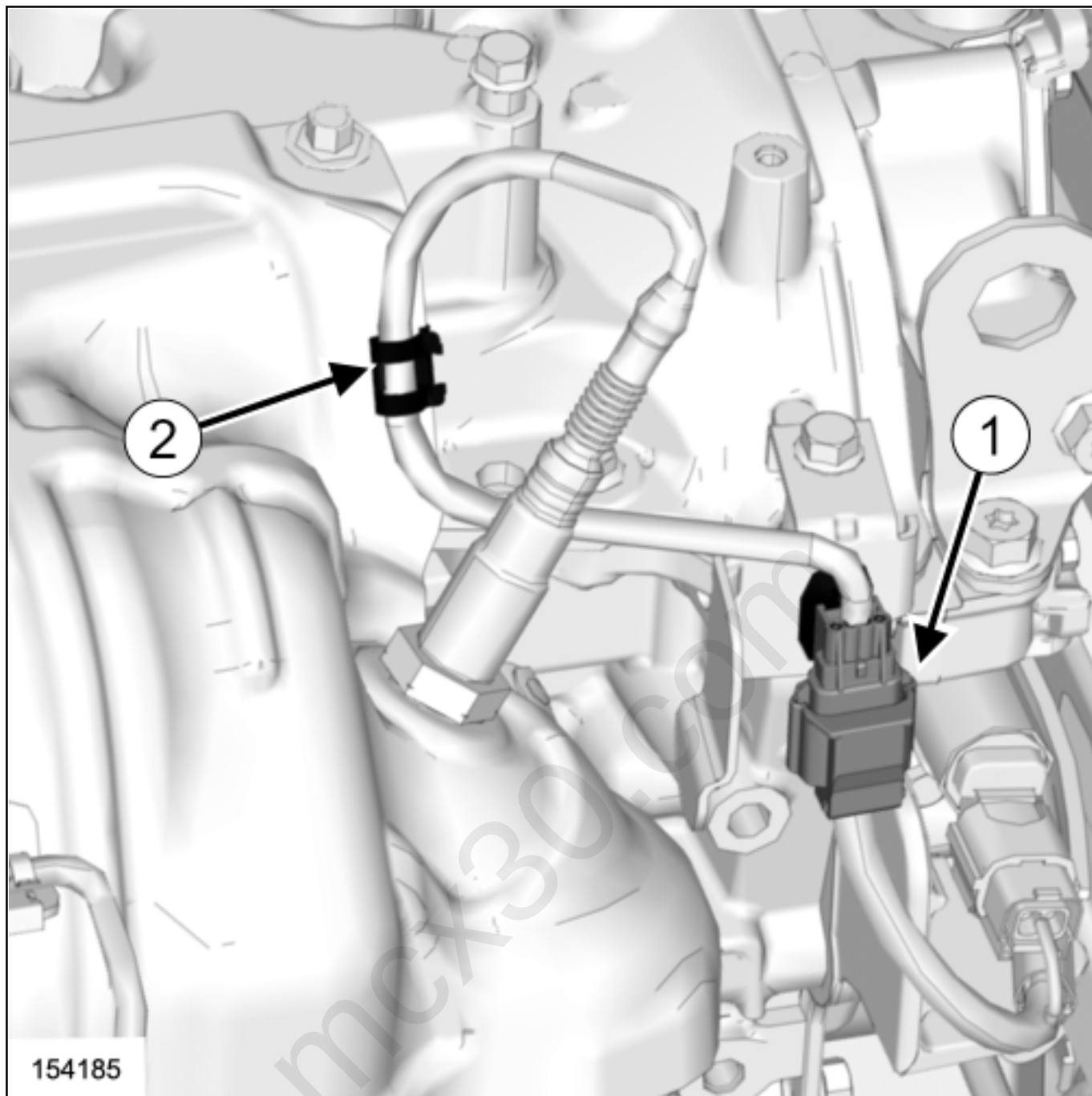
Loosen the clips from the turbo-manifold air inlet pipe([see 12A, Fuel mixture, Air inlet assembly: Exploded view](#)) .



Remove the turbo-manifold air inlet pipe([see 12A, Fuel mixture, Air inlet assembly: Exploded view](#)) .

2. REMOVAL OPERATION

1- REMOVING THE UPSTREAM OXYGEN SENSOR



Disconnect the upstream oxygen sensor connector(1) .

Unclip:



the upstream oxygen sensor connector,

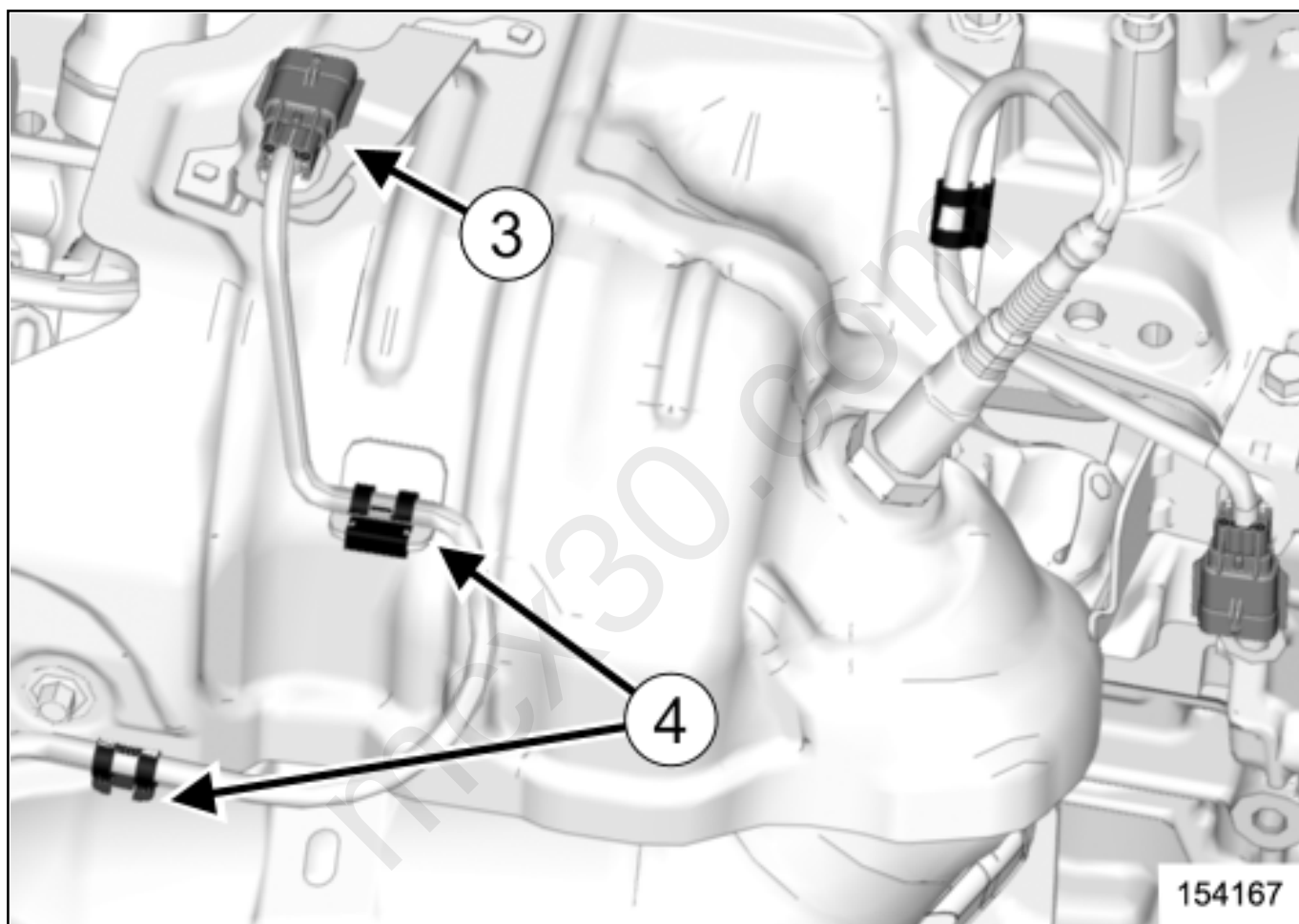


the upstream oxygen sensor wiring from the upper turbo-manifold heat shield(2) .

Remove the upstream oxygen sensor using the tool 22 mm socket for removal - refitting of oxygen sensors - 1/2 square drive and 24 mm hexagonal ext. (Mot. 1495) (see Engine and transmission assembly sensors: List and location of components) .

2- REMOVING THE DOWNSTREAM OXYGEN SENSOR

Disconnect the downstream oxygen sensor connector.



Unclip:

- the downstream oxygen sensor connector(3) ,

- the downstream oxygen sensor wiring(4) from the upper turbo-manifold heat shield.

Remove the downstream oxygen sensor using the tool 22 mm socket for removal - refitting of