

the turbo-manifold oil supply pipe hollow bolt on the engine,

the turbo-manifold oil supply pipe bolt.

Proceed in the reverse order to removal.

Top up the engine oil if necessary.

2- REFITTING THE TURBO-MANIFOLD OIL RETURN PIPE

Refit the new turbo-manifold oil return pipe [Exhaust assembly in engine compartment: Exploded view](#) .

Connect the turbo-manifold oil return pipe on the cylinder block [Exhaust assembly in engine compartment: Exploded view](#) .

Refit the turbo-manifold oil return pipe bolts on the turbo-manifold [Exhaust assembly in engine compartment: Exploded view](#) .

Torque tighten the turbo-manifold oil return pipe bolts on the turbo-manifold [Exhaust assembly in engine compartment: Exploded view](#) .

Proceed in the reverse order to removal.

Top up the engine oil if necessary.



TURBOCHARGER OIL PIPE: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



parts always to be replaced:



[turbocharger oil supply pipe](#)

[Turbocharger oil return pipe](#)



WARNING

Wear heat protective gloves during the operation.



CAUTION

To prevent the surrounding components from overheating, do not damage (tear, pierce, bend, etc.) a heat shield.

Any damaged heat shields must be replaced.



Note:

This procedure deals with removal and refitting of the turbo-manifold oil supply pipe and the turbo-manifold oil return pipe.

Locations and specifications (tightening torques, parts always to be replaced, etc.) [\(see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view\)](#) .

REMOVAL

1. REMOVAL PREPARATION OPERATION



Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .

Remove:



the battery [Battery: Removal - Refitting](#) ,



the air filter unit [\(see 12A, Fuel mixture, Air inlet assembly: Exploded view\)](#) ,



the front right-hand wheel [Front hub carrier assembly: Exploded view](#) .

Remove the engine undertray.

Drain the automatic gearbox oil [Automatic gearbox oil: Draining - Filling](#) .

Remove the front right-hand wheel driveshaft [Front hub carrier assembly: Exploded view](#) .

Remove:



the lower engine tie-bar [Engine-gearbox unit support assembly: Exploded view](#) ,



the upstream oxygen sensor [\(see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view\)](#) ,



the catalytic pre-converter [\(see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view\)](#) .

2. REMOVAL OPERATION

1- REMOVAL OF THE TURBO-MANIFOLD OIL SUPPLY PIPE

Remove [\(see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view\)](#) :



the turbo-manifold oil supply pipe hollow bolt from the engine,



the turbo-manifold oil supply pipe bolt,



the turbo-manifold oil supply pipe hollow bolt from the turbo-manifold,

the turbo-manifold oil supply pipe.

2- REMOVAL OF THE TURBO-MANIFOLD OIL RETURN PIPE



Remove the turbo-manifold oil return pipe bolts from the turbo-manifold([see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view](#)) .



Disconnect the turbo-manifold oil return pipe from the cylinder block([see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view](#)) .



Remove the turbo-manifold oil return pipe([see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view](#)) .

REFITTING

1. REFITTING PREPARATION OPERATION

1- REFITTING THE TURBOCHARGER OIL SUPPLY PIPE



parts always to be replaced: [turbocharger oil supply pipe](#) .



Clean and degrease, using surface cleaner[Vehicle: Parts and consumables for the repair](#) the joint faces

at the turbocharger oil supply pipe hollow bolts.

2- REFITTING THE TURBOCHARGER OIL RETURN PIPE



parts always to be replaced: Turbocharger oil return pipe .



Use surface cleaner Vehicle: Parts and consumables for the repair to clean and degrease:



the turbocharger oil return pipe joint face,



the cylinder block oil return pipe joint face.



Lubricate the O-ring of the turbocharger oil return pipe.

2. REFITTING OPERATION

1- REFITTING THE TURBO-MANIFOLD OIL SUPPLY PIPE



Refit (see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view) :



the new turbo-manifold oil supply pipe,



the turbo-manifold oil supply pipe hollow bolt on the turbo-manifold,



the turbo-manifold oil supply pipe hollow bolt on the engine,



the turbo-manifold oil supply pipe bolt.



Torque tighten (see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view) :



the turbo-manifold oil supply pipe hollow bolt on the turbo-manifold,

the turbo-manifold oil supply pipe hollow bolt on the engine,

the turbo-manifold oil supply pipe bolt.

Proceed in the reverse order to removal.

Top up the engine oil if necessary.

2- REFITTING THE TURBO-MANIFOLD OIL RETURN PIPE

Refit the new turbo-manifold oil return pipe([see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view](#)).

Connect the turbo-manifold oil return pipe on the cylinder block([see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view](#)).

Refit the turbo-manifold oil return pipe bolts on the turbo-manifold([see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view](#)).

Torque tighten the turbo-manifold oil return pipe bolts on the turbo-manifold([see 19B, Exhaust, Exhaust assembly in engine compartment: Exploded view](#)).

Proceed in the reverse order to removal.

Top up the engine oil if necessary.

