



Repair-10x09x05x03-01x37-1-7-1.xml



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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.) [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 [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 [Exhaust assembly in engine compartment: Exploded view](#) ,



the catalytic pre-converter [Exhaust assembly in engine compartment: Exploded view](#) .

2. REMOVAL OPERATION

1- REMOVAL OF THE TURBO-MANIFOLD OIL SUPPLY PIPE

Remove [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 [Exhaust assembly in engine compartment: Exploded view](#) .



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



Remove the turbo-manifold oil return pipe [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.



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 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 Exhaust assembly in engine compartment: Exploded view :



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

