

Exhaust manifold: Removal - Refitting

D4F, and 784

REFITTING

I - REFITTING PREPARATION OPERATION

- ☐ Use abrasive pads to clean the bearing faces of:
 - the exhaust manifold - cylinder head,
 - the exhaust manifold - turbocharger.
- ☐ Use **SURFACE CLEANER** (see **Vehicle: Parts and consumables for the repair**) (MR 398, 04B, Consumables - Products) and clean cloths to degrease the bearing faces:
 - the exhaust manifold - cylinder head,
 - the exhaust manifold - turbocharger.

WARNING

The joint faces must be clean, dry and free from grease (avoid finger marks).

- ☐ Be sure to replace the exhaust manifold gasket.

WARNING

Any damaged heat shields must be replaced.

The sealing between the exhaust manifold sealing surface and the catalytic converter must be perfect.

Always replace all seals and exhaust pipe to rubber mounting bush mounting bolts whenever they are removed.

The catalytic converter must not be subjected to mechanical impacts during removal or refitting, as this could damage it.

II - REFITTING OPERATION FOR PART CONCERNED

- ☐ Refit:
 - the exhaust manifold heat shield,
 - the exhaust manifold heat shield bolts.

IMPORTANT

Wear protective gloves during the operation.

- ☐ Torque tighten the **exhaust manifold heat shield bolts (18 Nm)**.
- ☐ Refit:
 - the new exhaust manifold gasket,
 - the exhaust manifold,

- the exhaust manifold nuts.

- ☐ Pretighten to torque the **exhaust manifold nuts (initial torque) (20 Nm)**.
- ☐ Torque tighten the **exhaust manifold nuts (30 Nm)**.

III - FINAL OPERATION.

- ☐ Refit:
 - the turbocharger (see **12B, Turbocharging, Turbocharger: Removal - Refitting**, page **12B-4**),
 - the catalytic pre-converter (see **19B, Exhaust, Catalytic pre-converter: Removal - Refitting**, page **19B-21**),
 - the front right-hand driveshaft (see **Front right-hand driveshaft: Removal - Refitting**) (MR 392, 29A, Driveshafts).
- ☐ Fill the gearbox with oil (see **Manual gearbox oils: Draining - Filling**) (MR 392, 21A, Manual gearbox).
- ☐ Refit:
 - the engine undertray,
 - the engine cover.
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).