



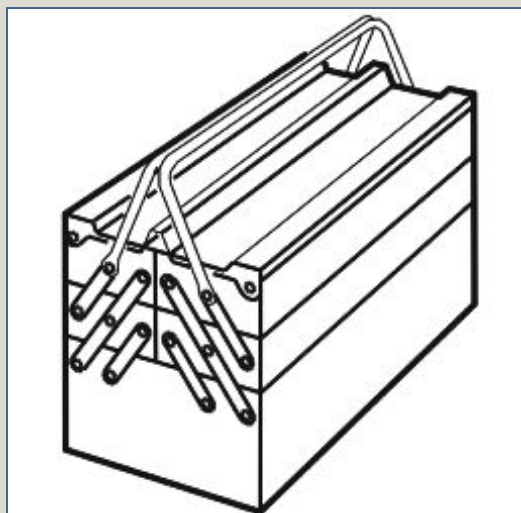
## XC90

Section	Group	Weight(Kg/Pounds)	Year	Month
2	26		2002	02

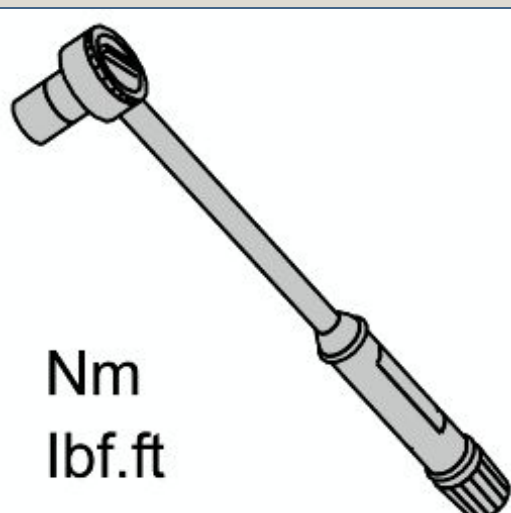
XC90 2003, XC90 2004, XC90 2005, XC90 2006, XC90 2007, XC90 2008, XC90 2009, XC90 2010



## Required tools

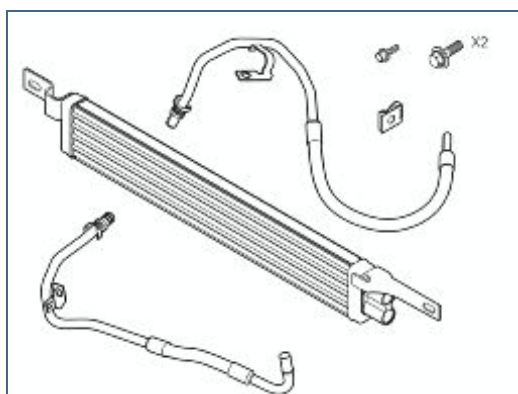


A0000162



Nm  
lbf.ft

A0000161



R2600330



Any comments on this publication? Please contact your nearest dealer. Thank you!

Publication no: MA8685835, Issue: 2002-02
Comments:..... ..... ..... ..... ..... ..... .....
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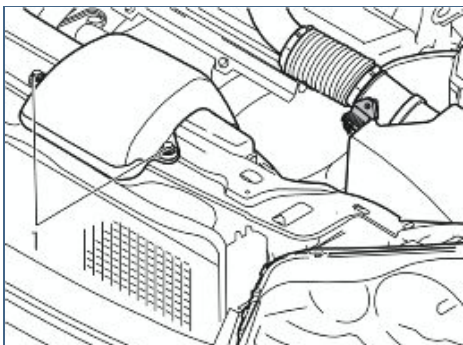
## INTRODUCTION

## Oil cooler

- **NOTE! Read through the whole installation instruction before starting the work.**
- The front page gives the date of this edition and the edition it replaces
- The second page shows the tools needed for the installation and the contents of the installation kit
- The illustrations display the procedure in order of operation. The order of operation is repeated in the text section
- Cut out the text page in order to follow the illustrations and text at the same time.



1

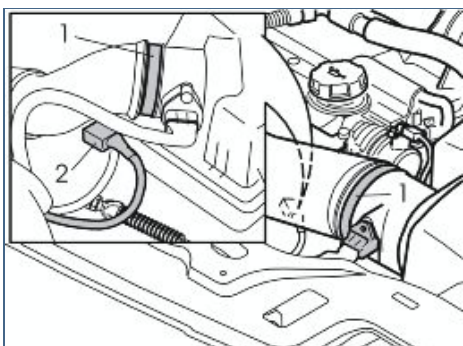


R2000373

## Preparations

- remove the two screws (1) from the intake pipe for the air cleaner (ACL)
- Remove the intake pipe. Place the intake manifold to one side.

2

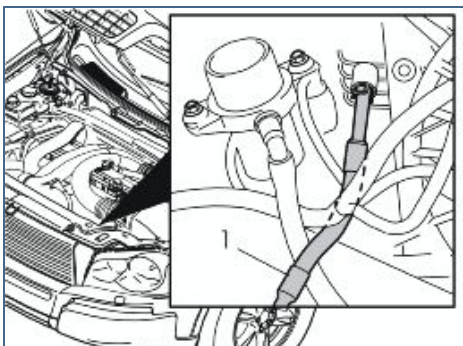


R2000378

## Preparations

- Fully disconnect the hose clamp (1)
- Remove the vacuum valve and its hoses and the cable (2) from the mounting on the reverse of the air cleaner (ACL), in the lower right-hand corner. Move the vacuum valve away from the gearbox
- Pull the air cleaner (ACL) from its mounting in the side member. Pull the air cleaner (ACL) up slightly. Detach the hose from the air cleaner (ACL). The hose may need to be heated with a hot-air gun before it can be detached
- Move the air cleaner (ACL) to one side so that the gearbox is accessible.

3

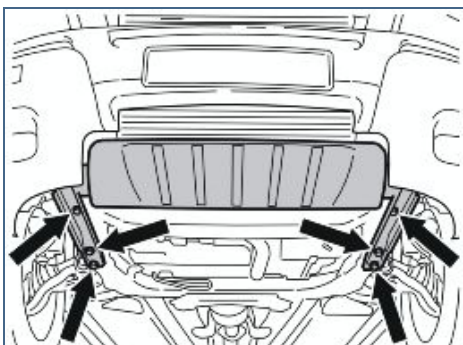


R2600332

## Preparations

- Remove the hose (1) between the radiator and the gearbox
- Place the hose to one side. It will not be reused.

4



R2102465

## Preparations

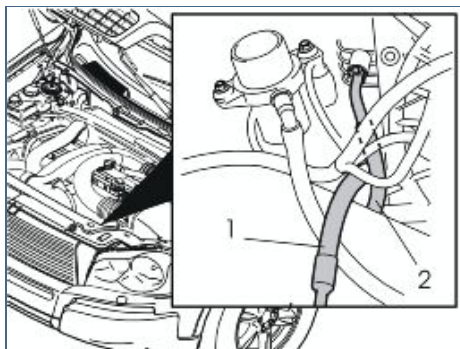
- Remove the front skid plate. First remove the six screws (1) on the underneath
- With the assistance of a colleague, pull the skid plate forwards. Pull one of the corners until the mounting lug on that side of the skid plate releases from the sub-frame. Then pull off the other corner

### Note!

It may be necessary to carefully bend down the lower edge of the bumper cover while pulling the skid plate forward.



5A



R2600333

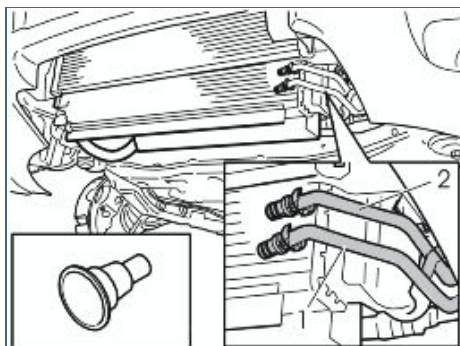
## Installing the oil cooler

**Illustration A shows how the hoses are connected to the gearbox and oil cooler**

**Illustration B shows how the hoses are routed to the oil cooler**

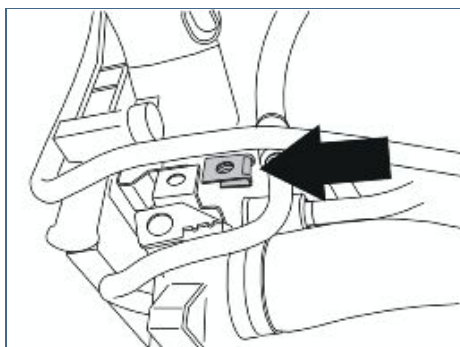
- Remove the two hoses from the kit and remove the dust covers
- Insert the hoses down to the left-hand side of the radiator. Connect the hoses in the engine compartment to the gearbox (1) and radiator (2) where the hose was removed earlier. Do not tighten the connection nut
- Route the hoses between the left-hand side of the radiator and the pipe to the air conditioning (A/C) system.

5B



R2600334

6

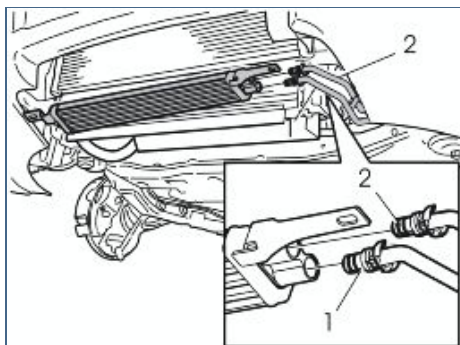


R2600331

## Installing the oil cooler

- Take the nut clip from the kit and press it into place on the lower left edge of the radiator on the existing mounting.

7A



R2600337

## Installing the oil cooler

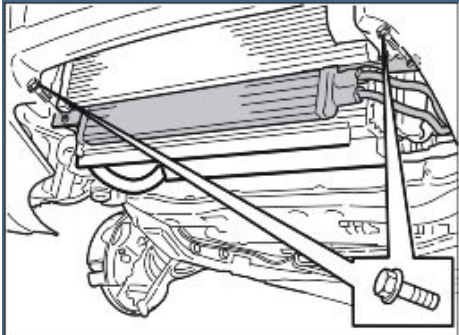
**Illustration A shows how the hoses are connected to the oil cooler**

**Illustration B shows how the oil cooler is secured**

- Take the oil cooler from the kit. Connect the hose from the gearbox (1) and the hose from the radiator (2) to the oil cooler
- Ensure that the mounting lug for the lower hose is beneath the mounting lug for the upper hose
- Take the two M6x16 screws from the kit. Secure the oil cooler to the existing mountings. Tighten the screws. Tighten to **10 Nm (7 lbf. ft)**.

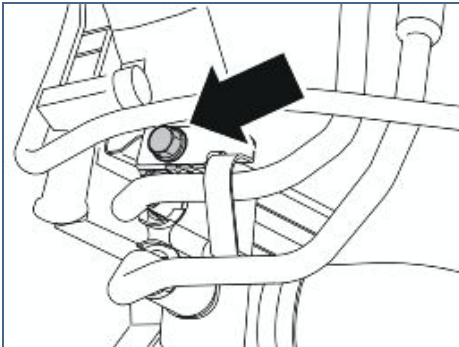


7B



R2600336

8



R2600335

## Installing the oil cooler

- Take the M6x14 screw from the kit. Tighten both the mounting lugs for the hoses to the mounting in the radiator. Tighten the screw. Tighten to **10 Nm (7 lbf. ft)**
- Tighten the connection nut on the hose to the gearbox. Tighten to **40 Nm ((29 lbf. ft.))**.

9

## Finishing work

- Reinstall the front skid plate. Tighten the screws. Tighten to **50 Nm (37 lbf. ft.)**
- Reinstall the air cleaner (ACL). Connect the removed components
- Reinstall the intake manifold on the air cleaner (ACL). Tighten the screws. Tighten to **10 Nm (7 lbf. ft.)**.

10

## Finishing work

- Fill with 0.2 l of oil (see the manual for the oil type)
- Run the engine and top up the oil to the correct level.