

**WARNUNG**

Gefahr des Verlusts der Text-Bild-Zuordnung beim Ausdruck.

- **Aus technischen Gründen kann derzeit nicht ausgeschlossen werden, dass trotz einwandfreier Darstellung auf dem Bildschirm beim Ausdruck der Zusammenhang von Text und zugehörigem Bild verloren geht.**
- **Wird der Fehler nicht bemerkt, besteht die Gefahr, daß Arbeiten nicht korrekt durchgeführt werden und es dadurch zu Personen- und Sachschäden kommt.**

→ Vergleichen Sie deshalb nach dem Druckvorgang unbedingt die Ausdrucke mit der Bildschirmdarstellung. Korrigieren Sie die Ausdrucke im Fehlerfall so, daß der Inhalt der Bildschirmdarstellung zutreffend wiedergegeben wird.

**WARNING**

Danger of losing text-figure correspondence when printing out.

- **For technical reasons, it can currently not be ruled out that the correspondence between text and associated figure can be lost when it is printed out, even though the display on the screen is correct.**
- **If the fault is not noticed, there is the danger that work will not be performed correctly which can cause injury and damage.**

→ Therefore, always compare printouts with the screen display after printing them out. Correct the printouts if they are faulty so that the content of the screen display matches that on the printouts.

**AVERTISSEMENT**

Risque de perte de la correspondance texte-illustration lors de l'impression papier.

- **Pour des raisons techniques, il ne peut pas être exclu à l'heure actuelle que, même en cas d'affichage correct à l'écran, la correspondance entre le texte et l'illustration puisse être erronée sur l'impression papier.**
- **Si l'erreur passe inaperçue, on court le risque d'exécuter certaines opérations de manière incorrecte pouvant conduire à des dommages corporels et matériels.**

→ Comparez impérativement pour cette raison les impressions papier avec l'affichage à l'écran. Corrigez-les en cas d'erreur de manière à reproduire correctement l'affichage à l'écran.

**ATTENZIONE**

Pericolo di perdita dell'abbinamento testo-immagine nella stampa.

- **Per motivi tecnici non è escluso che, nonostante la rappresentazione sullo schermo risulti perfetta, durante la stampa venga persa la corrispondenza fra testo e relativa immagine.**
- **Se tale difetto non viene rilevato vi è il pericolo che i lavori non siano eseguiti correttamente; ciò può avere come conseguenza lesioni e danneggiamenti.**

→ Per questo motivo, dopo la stampa è assolutamente necessario confrontare le stampe con la rappresentazione sullo schermo. In caso di errore si prega di correggere le stampe, così da garantire la riproduzione esatta della rappresentazione sullo schermo.

**ADVERTENCIA**

Al imprimir se corre el riesgo de perder la correcta asignación de las figuras al texto.

- **Por motivos técnicos, por el momento no se puede descartar que, aun siendo correcta la**

imagen que aparezca en la pantalla, al imprimir se pierda la correlación entre el texto y la figura correspondiente.


- Si este error pasara desapercibido, existe el riesgo de que los trabajos no se ejecuten de forma correcta y, por tanto, se produzcan daños personales y materiales.

→ Por ello le rogamos que tras el proceso de impresión compare siempre las copias impresas con la imagen de la pantalla. En caso de error, corrija las copias impresas de forma que se correspondan con el contenido de la imagen de la pantalla.

10 55 19 Removing and installing oil separator - as of MY 2005

- Preliminary work
- Removing oil separator
- Installing oil separator
- Subsequent work

Tools

Designation	Type	Number	Explanation	
3/8" extension, 16°movable	commercially available tool	NR.15		

Preliminary work

Preliminary work for removing oil separator

1. Remove air cleaner housing → 242519 Removing and installing air cleaner housing - chapter on "removing".

Removing oil separator

Removing oil separator



Note

Cover engine openings (e.g. intake openings, crankcase, oil lines, open reservoirs etc.) cover with a cloth to avoid dirt and foreign bodies falling in.



Note

- After removal, place the air-conditioning compressor on a suitable protective support (e.g. foam,

neoprene, etc.).

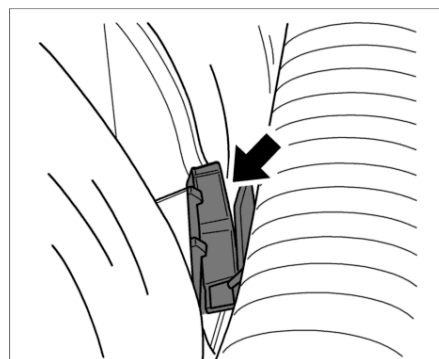


Note

The air-conditioning lines on the compressor do not have to be disconnected in order to remove engine/transmission unit.

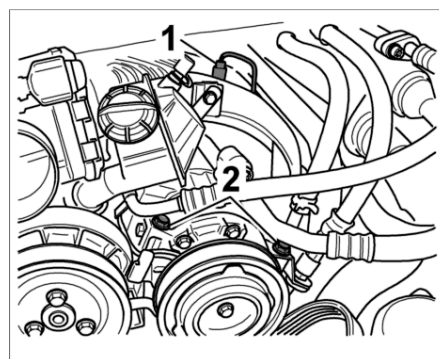
1. Detach air-conditioning compressor without disconnecting the air-conditioning lines → 873409 11 *Detaching and fastening compressor - detaching.*

2. Disconnect ground connector from intake distributor side 4-6 **-arrow-** .



Air-conditioning compressor ground line

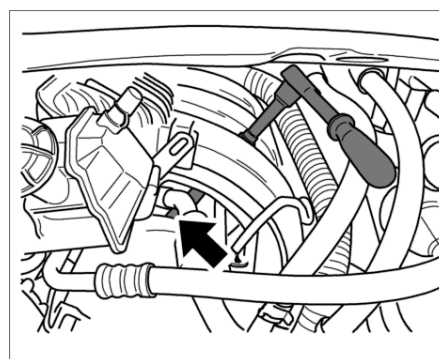
3. Pull the engine compartment temperature sensor out of the intake distributor 4-6 together with the rubber sleeve **-1-** and unscrew the rear fastening screws **-2-** of the air-conditioning compressor.



Rear fastening of the air-conditioning compressor

4. Unscrew the front fastening screw **-arrow-** of the air-conditioning compressor. Due to the restricted accessibility, the use of a **3/8" extension, 16°movable NR.15** with a long Torx E10 socket wrench is recommended. To lift out the air-conditioning compressor, the screw must be pulled upwards and held in position.

5. Lift out the air-conditioning compressor with the leads connected and lay to one side on a protective support. Secure additionally with a tie-wrap.

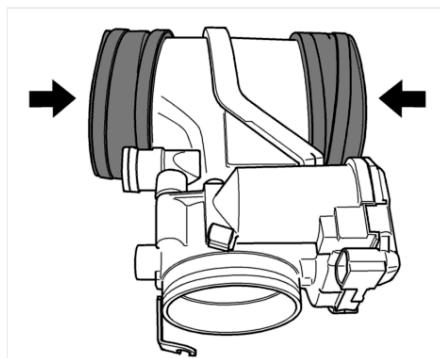


Front fastening screw of the air-conditioning compressor

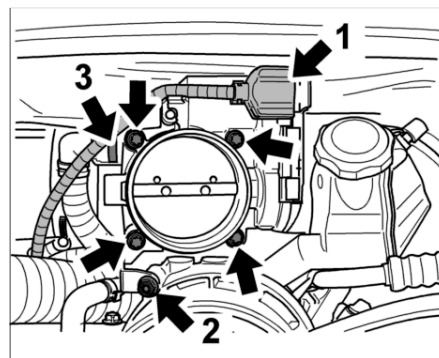
6. Remove distributor pipe. To do this, remove the fastening nut M6 of the throttle body from the rubber mount of the servo pump **-2-** .

7. Release cable plug on throttle body, and pull out and release cable **-1-** .

8. Release crankcase venting pipe connection from distributor pipe and remove **-3-** .

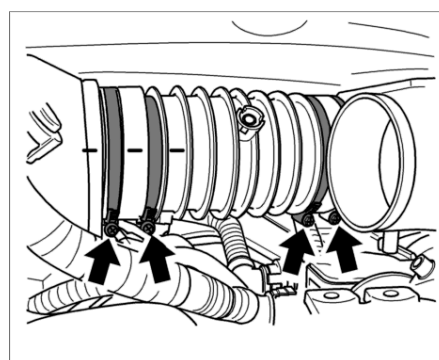


Distributor pipe



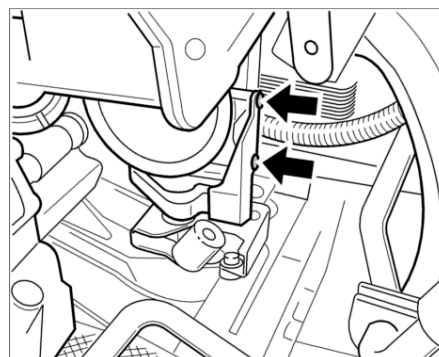
Throttle body

9. Loosen the four screw-type hose clamps on the rubber sleeves to the side intake distributors and push the rubber sleeves onto the distributor pipe. Remove distributor pipe together with mounted throttle body. Remove distributor pipe from the engine compartment.
10. Release tuning pipe. To do this, mark the installation position of the tuning pipe and loosen screw-type hose clamps **-arrows-** .



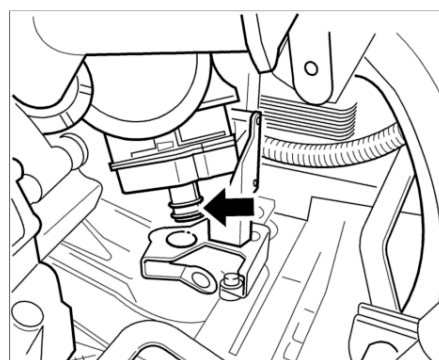
Tuning pipe

11. Remove both side fastening screws **-arrows-** .



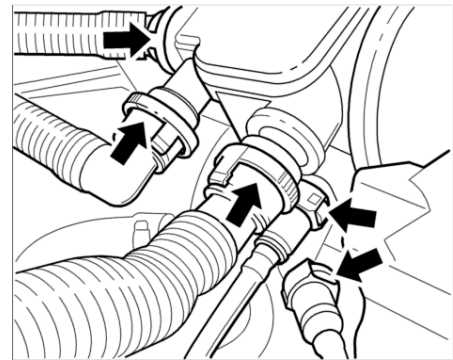
Mounting of oil mist separator

12. Carefully turn the oil separator and pull it out of the bore. Check sealing rings and replace if necessary **-arrow-** .



Oil mist separator sealing rings

13. Remove connections to the oil separator . For this purpose, place a cloth underneath as coolant emerges from the bottom vent line. Press and remove the connections **-arrows-** . Remove oil separator from the engine compartment.

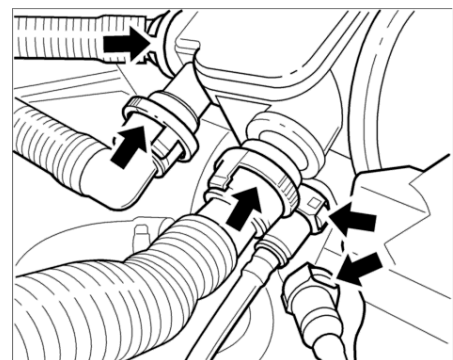


Oil mist separator connections

Installing oil separator

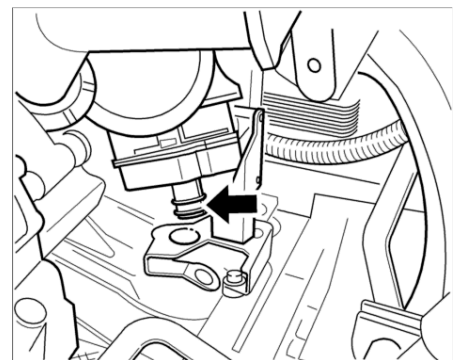
Installing oil separator

1. Check seals of oil separator and replace if necessary. Place oil separator in the installation position and make all connections **-arrows-**.



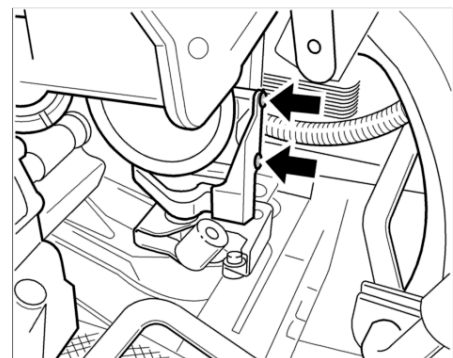
Oil mist separator connections

2. Lightly coat the sealing rings to the crankcase with Optimol MP3 **-arrow-**. Carefully turn the oil separator and press it into the bore of the crankcase.



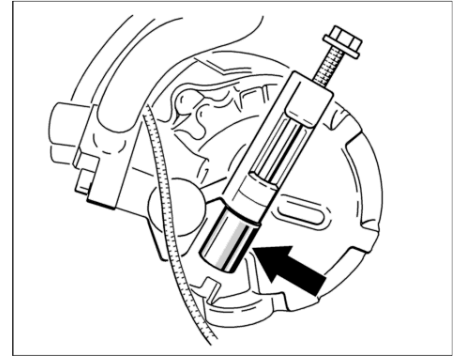
Oil mist separator sealing rings

3. Fit both side fastening screws **-arrows-**.



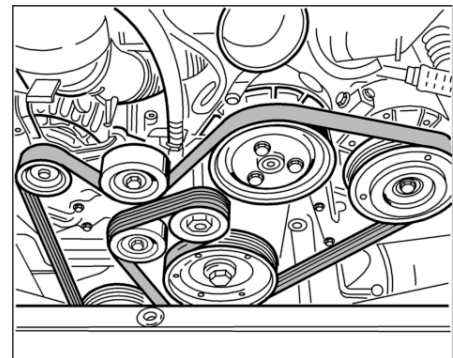
Mounting of oil mist separator

4. Fit air-conditioning compressor: before installing the compressor check whether the aluminium spacer sleeve **-arrow-** is inserted. Grease and fit sleeve. Also guide through ground cable before installation.



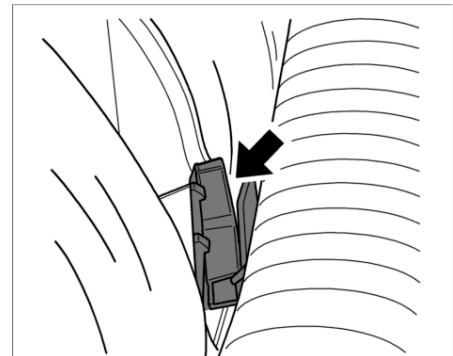
*Front air-conditioning compressor
fastening screw and sleeve*

5. Fit air-conditioning compressor and fasten using three M8 Torx screws (two short ones at the rear, one long one at the front). See details and tightening torques → 873419 Removing and installing compressor - chapter on "installing".
6. Fit drive belt. Pay attention to operating direction of used belts. Double-check that the position of the belt on the belt pulleys is correct.
7. Fit engine compartment temperature sensor with the rubber sleeve in the intake distributor 4-6.



Drive belt

8. Connect ground connector to intake distributor side 4-6 **-arrow-** .



*Air-conditioning compressor ground
line*

Subsequent work

Subsequent work for installing oil separator

1. Install air cleaner housing → 242519 Removing and installing air cleaner housing - section on "Installing".

997120, 997121, 997320, 997321, 997430, 997431, 997620, 997621

as of MY 2005

Country C00, C02, C05, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C18, C19, C20, C21, C22,

C23, C24, C25, C26, C27, C28, C32, C33, C34, C35, C36, C37, C38, C39, C45, C46, C98, C99