

## Workshop Manual Audi TT 2007 ➤

### Fitting instructions: Retrofitting jump start terminal in engine compartment

Edition 07.2007

Audi

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## List of Workshop Manual Repair GroupsList of Workshop Manual Repair GroupsList of Workshop Manual Repair Groups

### Repair Group

97 - Wiring

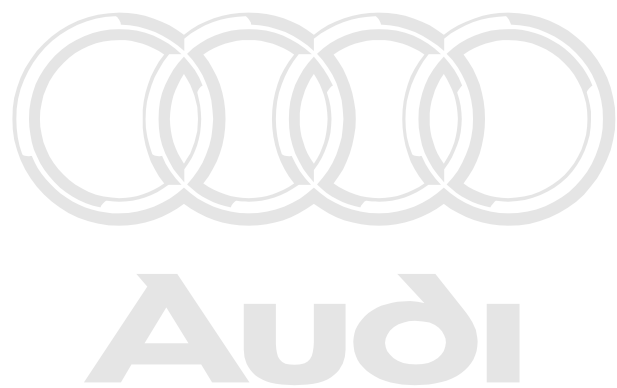


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Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

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Audi TT 2007 ►

**Fitting instructions: Retrofitting jump start terminal in engine compartment - Edition 07.2007**

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## 97 – Wiring

### 1 Retrofitting jump start terminal in engine compartment

#### 1.1 Components for retrofitting

All parts required for installation are included in the retrofit kit.

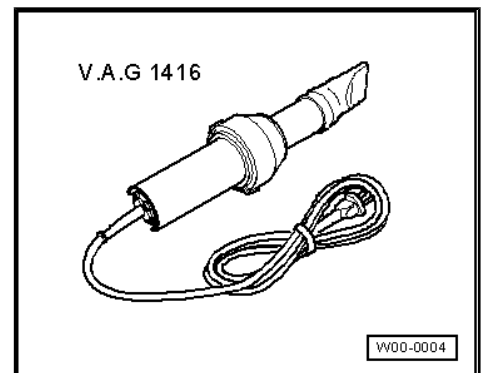
The retrofit kit -8J0 998 075- contains the following components:

- ◆ Pop rivet bolt -N 907 163 03- (2x)
- ◆ Pop rivet bolt -N 908 985 02- (1x)
- ◆ Slave start socket (earth stud) -4F0 972 501- (1x)
- ◆ Slave start socket with wiring harness -8J0 971 513- (1x)
- ◆ Cable tie -N 020 902 2- (3x)
- ◆ Nut -N 011 006 36- (2x)
- ◆ Nut with washer -N 902 867 03- (2x)

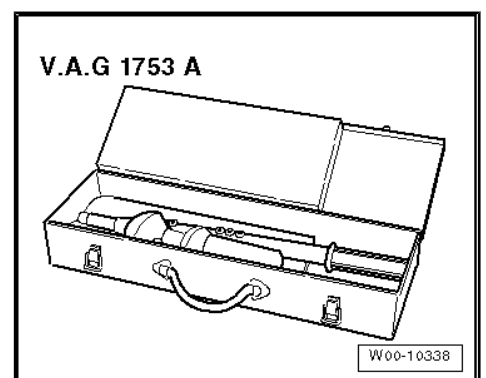
#### 1.2 Retrofitting jump start terminal

Special tools and workshop equipment required

- ◆ Hot air blower -V.A.G 1416-

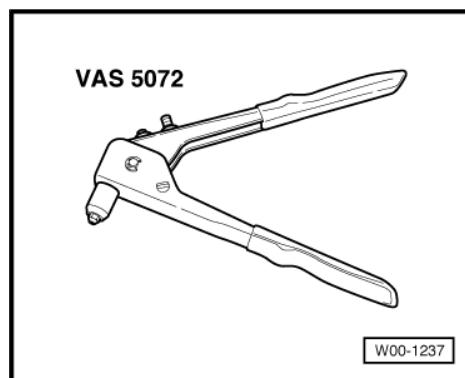


- ◆ Special pop rivet pliers -V.A.G 1753A-



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- ◆ Pop rivet pliers -VAS 5072-

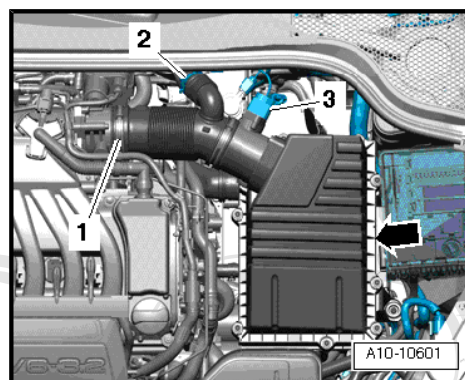


- ◆ Flanging pliers (commercially available)

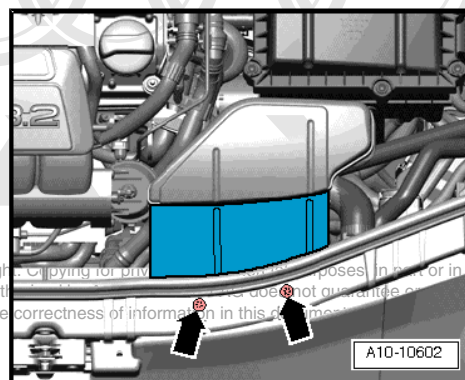
### Procedure

#### Vehicles with 3.2 ltr. MPI engine:

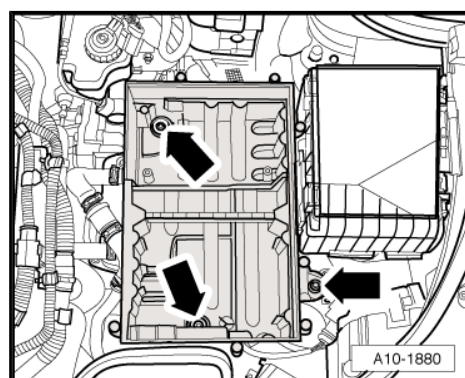
- Detach resonance pipe -2- from air hose.
- Detach air hose -1- from throttle valve module -J338- .
- Unplug electrical connector -3- for air mass meter -G70- .
- Unbolt top section of air cleaner housing -arrow- and remove air filter element.



- Remove bolts -arrows- and detach air duct.



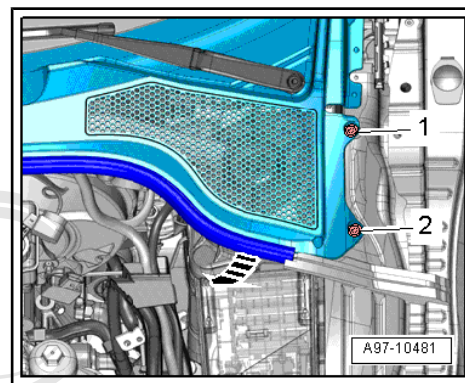
- Unbolt bottom section of air cleaner housing -arrows-.



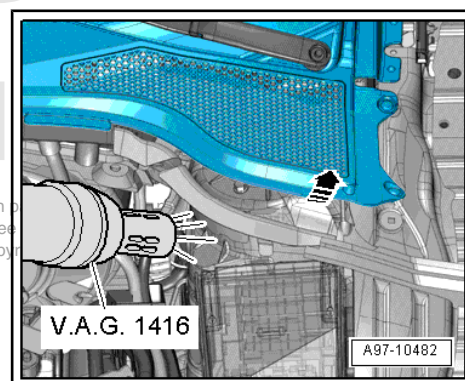
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**All models:**

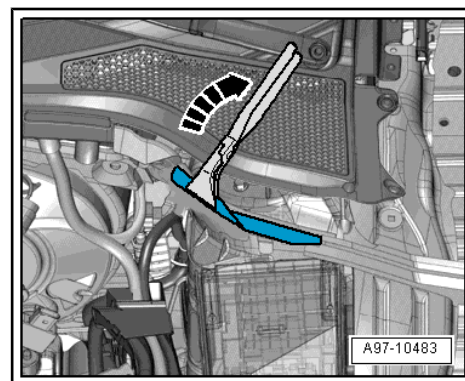
- Remove bolts -1- and -2- from plenum chamber cover (left-side).
- Detach seal -arrow-.



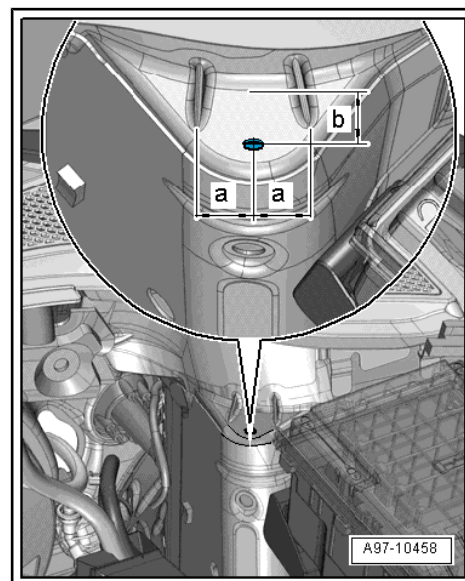
- Pull plenum chamber cover upwards -arrow- and heat paint-work at flange using hot air blower -V.A.G 1416-.



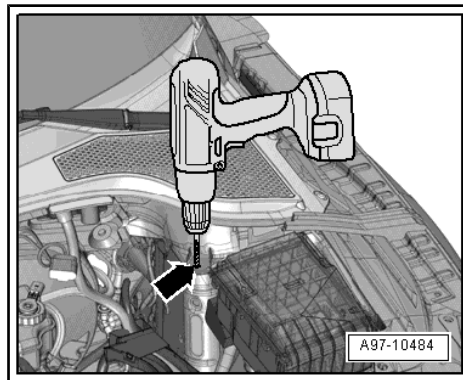
- Use commercially available flanging pliers to bend flange upwards (right angle) at that location -arrow- as shown in illustration.



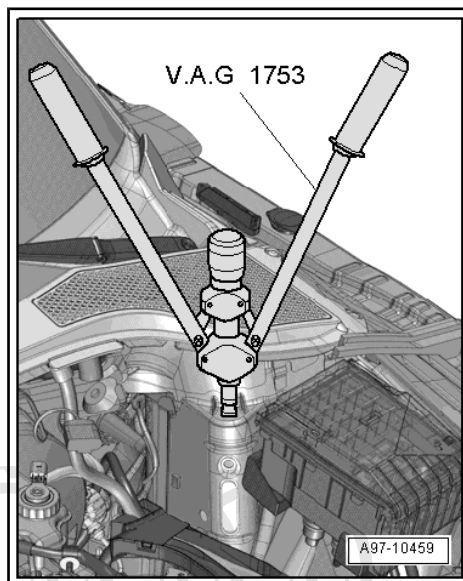
- Mark location for hole for earth stud as follows:
  - The hole must be located in the centre between the two metal ridges on the suspension turret (dimension -a- = dimension -a-).
  - The distance -b- to the vertical part of the suspension turret must be 20 mm.



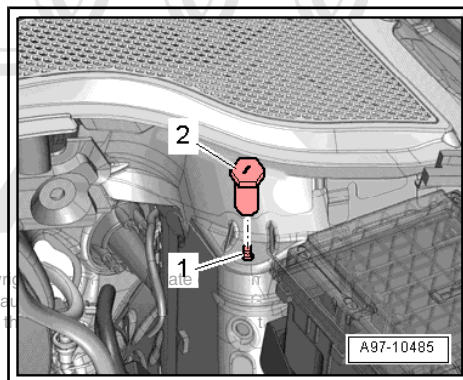
- Centre-punch the marked location for the hole -arrow-.
- Pre-drill using a  $\varnothing$  5 mm bit.
- Then use a  $\varnothing$  9 mm bit to drill the final hole.
- Remove swarf with a vacuum cleaner.



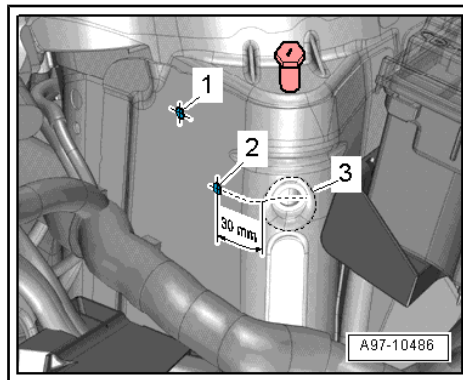
- Insert pop rivet bolt -N 908 985 02- into hole and secure rivet using special pop rivet pliers -V.A.G 1753A- .



- Secure slave start socket (earth stud) -4F0 972 501- -item 2- on pop rivet bolt -1- (9 Nm).

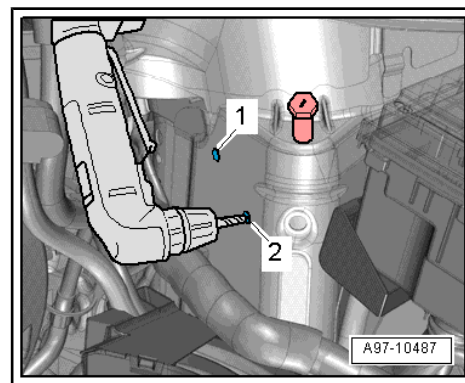


- Mark the location for the holes for the slave start socket -U6- on the left suspension turret as follows:
  - Hole -2- must be located on a level with the centre of the egg-shaped indentation -3-.
  - The distance -a- from the edge of the indentation to the hole must be 30 mm.
- Hold the slave start socket -U6- with the front mounting eye horizontally over the marking -2-.
- Mark the location for the hole -1- for the rear mounting eye of the slave start socket -U6- on the suspension turret.

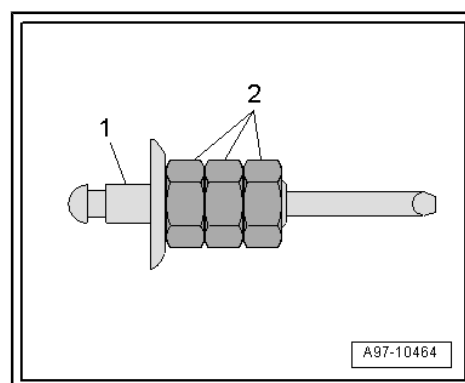




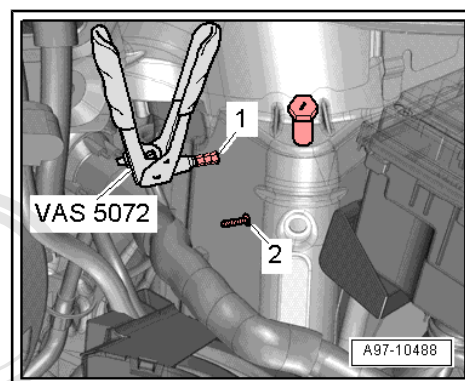
- Centre-punch the marked locations for the holes.
- Drill both holes using an angle drill and a  $\varnothing$  5.0 mm bit.
- Remove swarf with a vacuum cleaner.



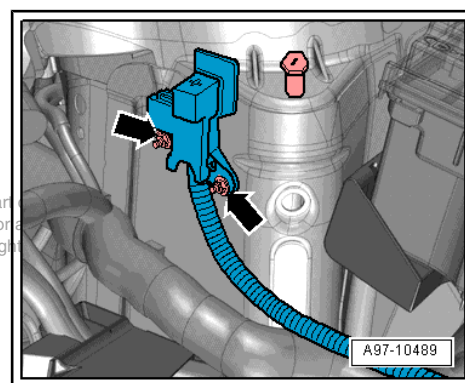
- To prevent the thread from becoming compressed during the rivetting process, screw 3 M6 nuts -2- onto the threaded pin of each rivet -1-.



- Insert pop rivet bolts -N 907 163 03- -item 1- and -item 2- into holes and secure rivets using pop rivet pliers -VAS 5072- .
- Remove nuts from threaded pins of rivets.



- Secure slave start socket -U6- with wiring harness -8J0 971 513- using two nuts with washers -N 902 867 03- -arrows- (5.5 Nm).



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- Route wiring harness under main wiring harness -arrow- towards the front to engine compartment electronics box.
- Position contact terminal at free screw connection -1- of "B+" bar and secure with nuts -N 011 006 36- -items 1 and 2- (7.5 Nm).

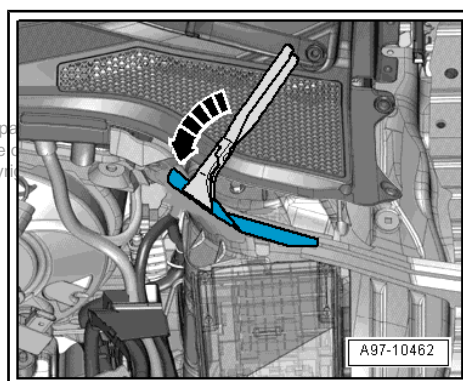
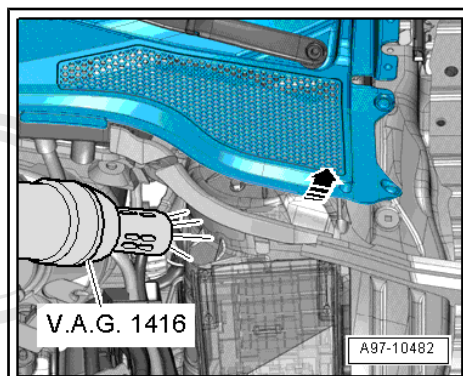
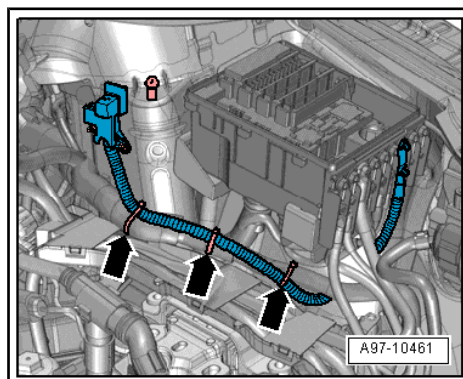
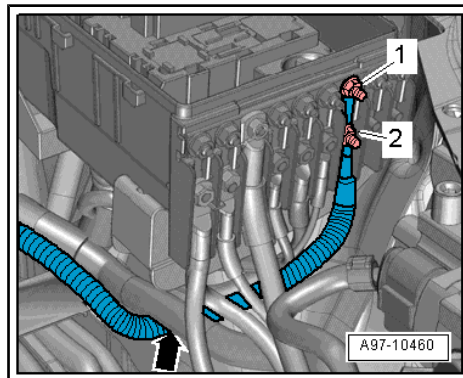

**Note**

*Depending on the version, there can be one or two threaded pins for securing the contact terminal.*

- Secure wiring harness to main wiring harness with the three cable ties -N 020 902 2- , as shown in illustration.

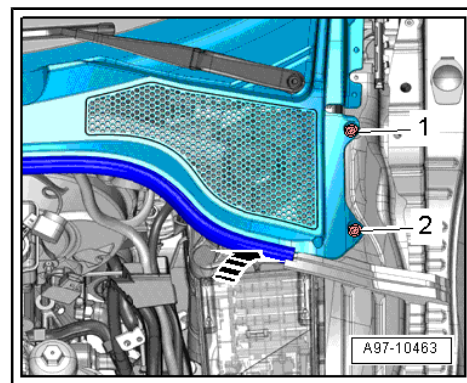
- Pull plenum chamber cover upwards -arrow- and heat paintwork at flange using hot air blower -V.A.G 1416- .

- Bend flange back into horizontal position -arrow- using commercially available flanging pliers.



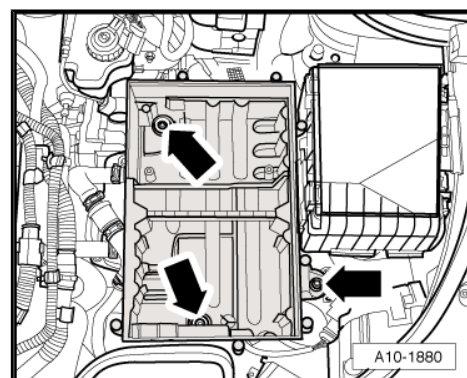
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- Tighten bolts -1- and -2- for plenum chamber cover (1.5 Nm).
- Attach seal -arrow-.

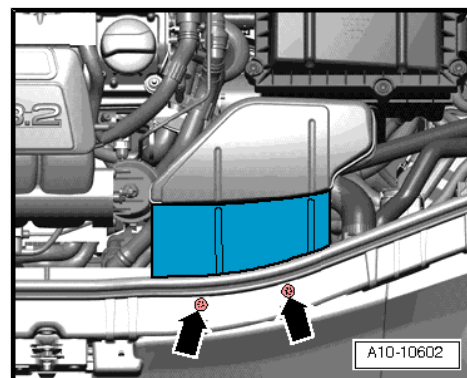
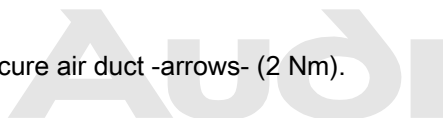


#### Vehicles with 3.2 ltr. MPI engine:

- Secure bottom section of air cleaner housing -arrows- (10 Nm).



- Secure air duct -arrows- (2 Nm).



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- Insert air filter element and secure top section of air cleaner housing -arrow- (5 Nm).
- Plug in electrical connector -3- for air mass meter -G70- .
- Install air hose -1-.
- Fit resonance pipe -2- to air hose.

