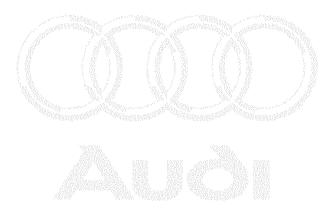
Service.



Workshop Manual Audi A3 1997 ▶

Booklet Electrical system

Edition 11.01





Service.



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Technical Information should always be available to all foremen and mechanics, because their com-pliance with the instructions given is essential to ensure vehicle roadworthiness and safety. In the normal safety precautions to be observed when working on motor vehicles are also applicable.

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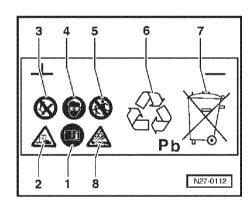




Battery

The battery is one of the most important electrical components in the vehicle. Its proper functioning is a major factor in ensuring customer satisfaction. To guarantee a long service life, the battery must be checked, serviced and maintained as described in this manual.

In addition to its starting function, the battery acts as back-up and supplies power for the entire electrical system.

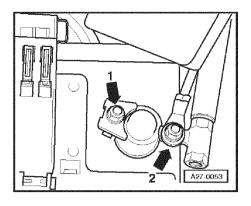


Hazard warning information and safety regulations relating to lead-acid batteries

- Pay attention to information given on battery, in electrical system workshop manual and in owner's manual.
- 2 Danger of acid burns:
 - Electrolyte is highly corrosive; protective gloves and eye protection are therefore always to be worn.
 - Never tilt battery, as electrolyte may escape from vents.
- 3 Fire, sparks, naked flames and smoking prohibited:
 - Take care to avoid sparks when handling cables and electrical equipment.
 - Take care to avoid short circuits.
- 4 Wear eye protection.
- 5 Keep electrolyte and batteries out of children's reach.
- _ தொள்ளுள்ள நிரு கூடியுள்ளார். Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with இழுக்கு புரும்கள்கள்
- 7 Old batteries are never to be disposed of with domestic refuse.
- 8 Danger of explosion:
 - Battery charging produces a highly explosive gas mixture.

27-1

Notes on battery handling



Notes:

- ♦ Battery posts are no longer to be greased.
- Battery terminals are only to be connected by hand without applying force so as not to damage the battery casing.
 - ♦ Tightening torque for battery terminals: 6 Nm -arrow 1-
 - ◆ Tightening torque of additional terminals at battery terminals: 6 Nm -arrow 2-

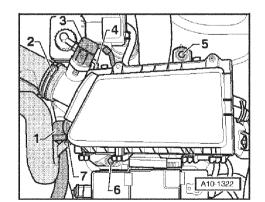


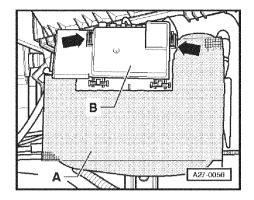
Removing battery - Audi A3 up to Model Year 2000

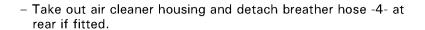
Attention:

On vehicles fitted with telematics system, activate telematics control-unit service mode before disconnecting battery. = > Radio, Telephone, Navigation; Repair Group 91

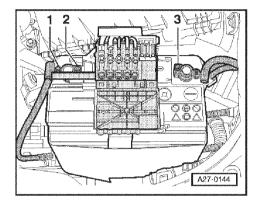
- Heed (if necessary obtain) code for vehicles with encoded radio/radio navigation system (RNS).
- Switch off ignition.
- If fitted, disconnect air intake hose for secondary air pump -1from air cleaner housing.
 - If fitted, screw out bolt -7-.
 - Detach air hose -2- at air-mass meter.
 - Unplug connector -3- at air-mass meter.
 - Screw out bolts -5- and -6-.



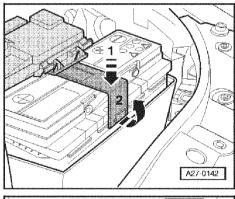


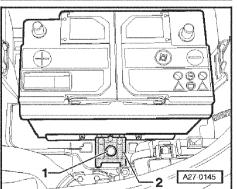


- If fitted, open upper protective cover of battery -A- (velcro fastener).
 - Press release tabs -arrows- and open lid -B- of main fuse box.

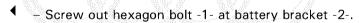


- Unfasten nut -3- several turns and disconnect pole shoe of earth wire from battery post.
 - Unscrew nut -1- and detach busbar for main fuse box at pole shoe of positive wire.
 - Unfasten nut -2- several turns and disconnect pole shoe of positive wire from battery post.





- Release retainer for main fuse box. To do so, press down front edge of retainer -arrow 1- and at the same time detach retainer from battery in direction of travel -arrow 2-.
 - Fold back main fuse box and lift off protective cover for battery.



- Pull battery out of fastening strip of battery bracket.
- Lift battery out of engine compartment.
- Install battery => Page 27-13.

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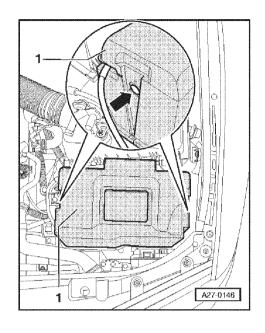
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Full download: http://manualplace.com/download/audi-a3-electrical/ Removing battery - Audi A3 as of Model Year 2001

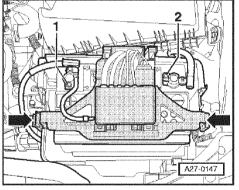
Attention:

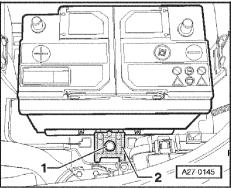
On vehicles fitted with telematics system, activate telematics control-unit service mode before disconnecting battery. = > Radio, Telephone, Navigation; Repair Group 91

- Heed (if necessary obtain) code for vehicles with encoded radio/radio navigation system (RNS).
- Switch off ignition.
- Remove cover -1- over battery. To do so, press both release tabs
 - -arrow-.









- Unfasten nut -2- several turns and disconnect pole shoe of earth wire from battery post.
 - Unfasten nut -1- several turns and disconnect pole shoe of positive wire from battery post.
 - Press release tabs -arrows- and fold back main fuse box.
- Screw out hexagon bolt -1- at battery bracket -2-.
 - Pull battery out of fastening strip of battery bracket.
 - Lift battery out of engine compartment.
 - Install battery = > Page 27-13.

