



Mercedes

S-Class: W220 + C215

Model year: 1999

Compressor switches off at times, SAM unit faulty

In the case of the above-mentioned vehicles a faulty signal recording and control module (SAM) can lead to the compressor switching off briefly from time to time. This problem affects all SAM units with the date of manufacture of CW 27/28/29/30. The SAM is located in the left-hand module box of the engine compartment (see photo 1, item. A). In order to check the date of manufacture, proceed as follows:

- Connect buffer battery
- Disconnect the earth cable on the battery
- Remove the module box lid
- Raise the clamping lever (photo 2, item. 1) and disconnect the feed line (pin 30)
- Unclip the fuse holder (photo 2, item. 2) on the SAM unit (N10/6) with fuse and relay module (photo 2, item. 3)
- Disconnect the remaining couplings on the fuse and relay module
- Pull the SAM out upwards until the couplings on the control unit are accessible
- Check the date of manufacture on the type plate

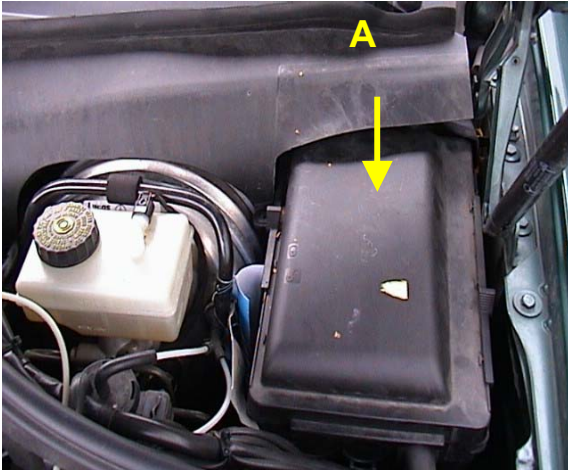


Photo 1

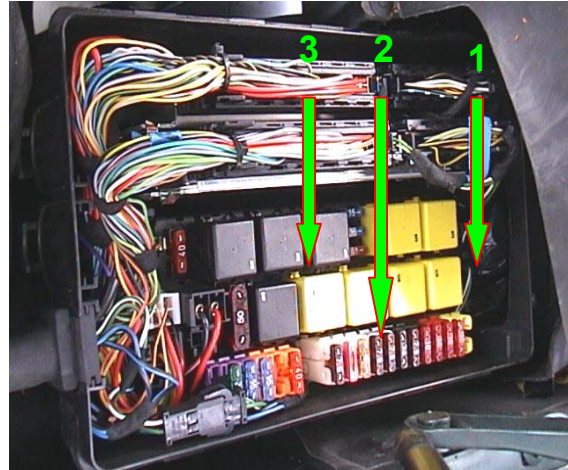


Photo 2

If replacement of the SAM module proves necessary, continue as follows:

- Lever the SAM out on the contact strip of the fuse and relay module, to do this insert a suitable screwdriver into the recesses and turn the screwdriver through 90°
- Pull the SAM downwards until it can be removed from the guides

Installation is carried out in the respective reverse order.