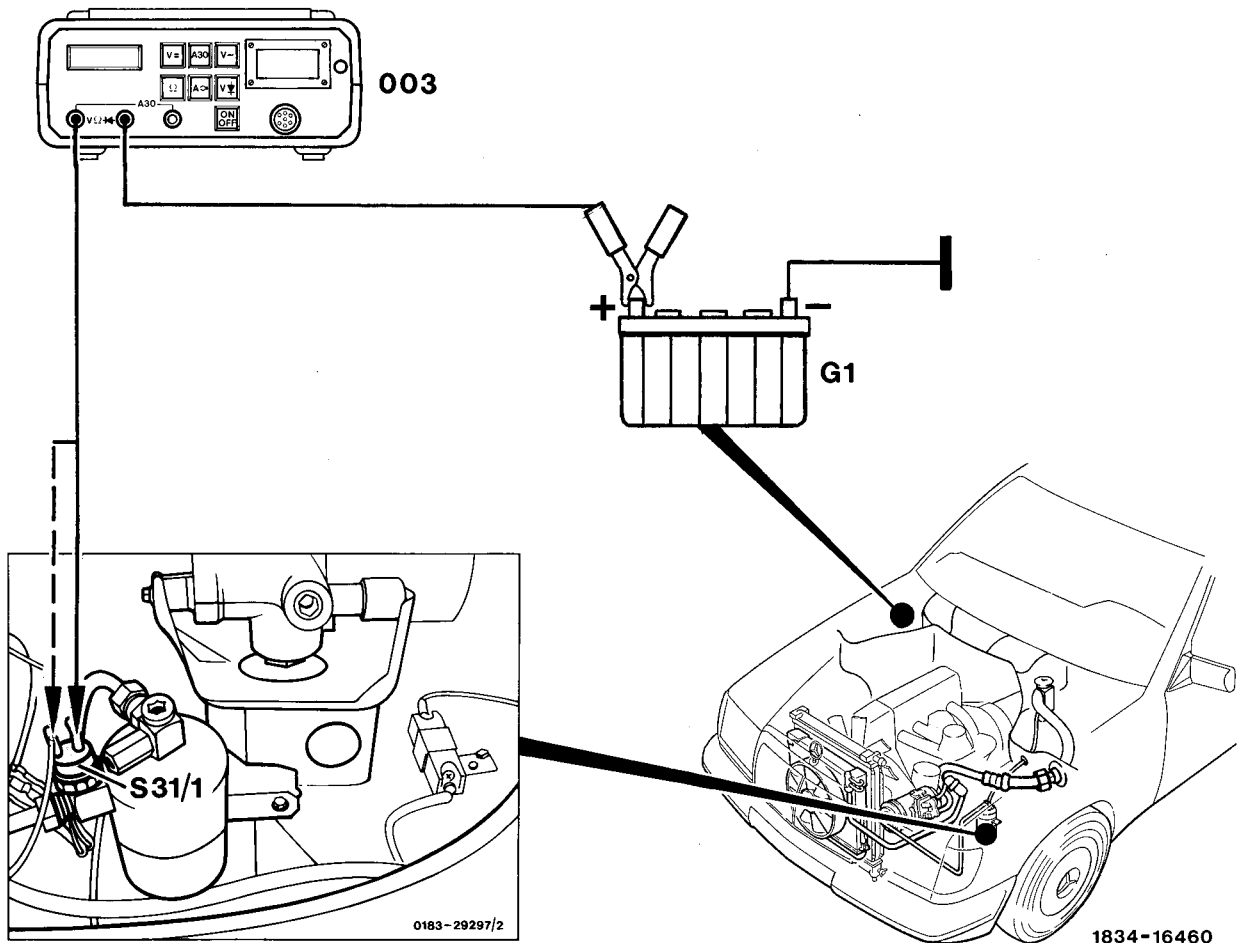


83-542 Testing, removal and installation of pressure switch for A/C compressor in fluid reservoir

Operation no. of operation texts and woks unites or standard texts and flat rates 83-0584



Testing

- | | |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ignition and air-conditioner | switch on. |
| Voltmeter | check positive connection to battery and ground one after the other at the two terminals on the pressure switch (S31/1). If ground is present only at one terminal, the air-conditioner is either not charged sufficiently or the pressure switch (S31/1) is defective. If ground is present at both terminals and the refrigerant compressor does not switch on, check compressor shut-off (83-505). |
| Refrigerant level | check, for this purpose allow engine to run at idle and jump the two terminals on the pressure switch (S31/1). Assure that refrigerant flows without bubbles after A/C compressor switches on by watching obervation glass on fluid reservoir; recharge air-conditioner if required. |

Removal and installation

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|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Air-conditioner | drain. |
| Both plugs on pressure switch (S31/1) | disconnect. |
| Pressure switch (S31/1) | unscrew. |
| Connection on fluid reservoir | plug. |
| Reinstall in reverse order | moisten O-ring with refrigeration oil and tighten to 20 ± 4 Nm. |
| Airconditioner | evacuate, charge, check for proper function and leakage (83-508), allow engine to run at idle speed only for first 4 minutes. |

Data

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|---------------------------------------------------------------|---------------------------------------------------------------------|
| Pressure switch (S31/1) in fluid reservoir for A/C compressor | switch-off pressure: 2.0/30 bars switch-on pressure: 2.6/22 bars |
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