

### Electrical Test Program - Preparation for Test (driver/passenger-side airbag/side airbag)

#### CAUTION!

**Risk of Injury** when performing Diagnostic Tests and repairs on components of the SRS system.

Store both airbags and side airbags with opening surface pointing upward.

Do not expose to temperatures above 100°C.

**Interrupt any electrical current from reaching the airbag unit.**

#### CAUTION!

Risk of injury if airbag units and ETR units are ignited accidentally or if stored with the opening end facing downward which may cause the accidentally ignited components to fly about causing injury. Danger to persons also exists if the components are disposed of by cutting apart with cutting torches or other cutting/separation devices. Danger also exists if disposing the untriggered units via refuse collection or via smelting/carbonizing companies.

#### Protective measures/Supervision

- Place removed airbag unit with the opening side facing upward.
- Allow only **properly trained dealer staff** to supervise, purchase, transport, store, test/replace any of the SRS components.
- Install all airbag or ETR units once pulled from the parts department.
- Protect all airbag or ETR units from any sparks, open flame, or temperatures above 100°C.
- Do not transport airbag or ETR units in the passenger compartment, rather transport securely in their **original packaging** in the trunk.
- Do not allow oil, grease or cleaning agents come in contact with the airbag or ETR units
- Perform SRS tests only with approved test equipment (such as HHT), while installed in the vehicle **without** occupants.

- When reconnecting the vehicle battery or any outside electrical source, with the ignition turned ON, do not allow any occupants inside the vehicle.
- Airbag or ETR units which have been dropped from a height greater than 18 inches must be replaced.
- Prior to disposing the airbag or ETR units, the units must be made un-useable by discharging.
- In order to render the airbag and ETR unit un-useable, the specially made discharge harness must be used and at the same time maintain a **safe distance of at least 33 feet** from the units being discharged.

Prior to undertaking any chassis/body repairs, installation/repair work on airbag and ETR units, or any components which come in contact with the airbag and ETR units, or are part of the electrical circuit of airbag and ETR units (such as installation of the steering wheel), the following conditions must be met:

- Remove ignition key.
- Disconnect any outside source of electrical circuit (i.e. battery charger).
- When performing interior repairs or welding operations, disconnect the connector from the SRS control module.

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Preliminary work:

Diagnosis - Diagnostic Trouble Code (DTC) Memory .....	12
Diagnosis - Fault Frequency, Time Span .....	13
Diagnosis - Actual Values .....	14

Electrical Wiring Diagrams:

Electrical Troubleshooting Manual, Model 129, Vol. 2,	group 91,
Electrical Troubleshooting Manual, Model 140, Vol. 2,	group 91,
Electrical Troubleshooting Manual, Model 170, Vol. 2,	group 91,
Electrical Troubleshooting Manual, Model 202/208 Vol. 2,	group 91,
Electrical Troubleshooting Manual, Model 210, Vol. 2,	group 91

Preparation for Test

1. Review section 0, 13, 14, 20, 21, 22
2. .Check fuses.
3. Battery voltage 11 – 14 V

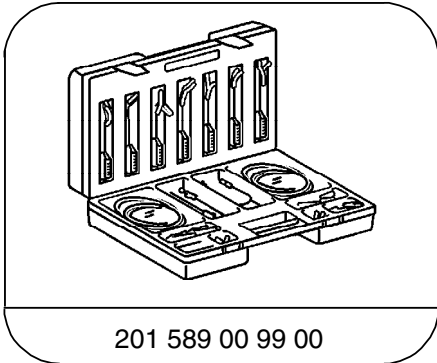


**CAUTION!**

Do not connect battery trickle charger.

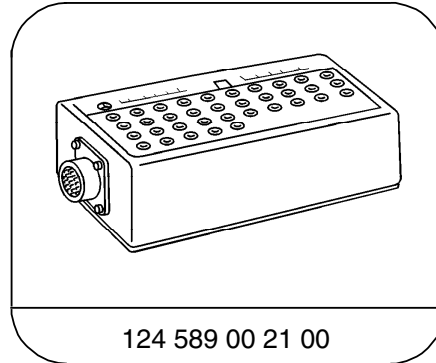
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Special Tools



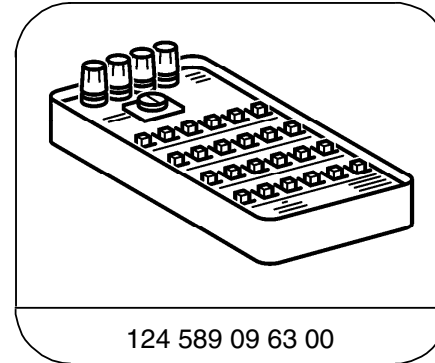
201 589 00 99 00

Electrical connecting set



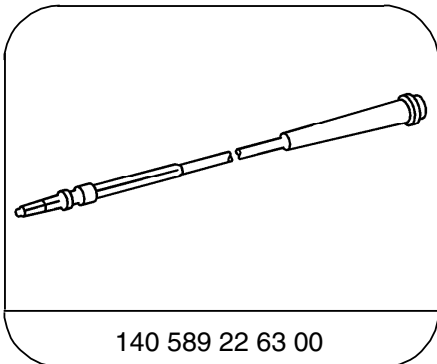
124 589 00 21 00

35-pin socket box



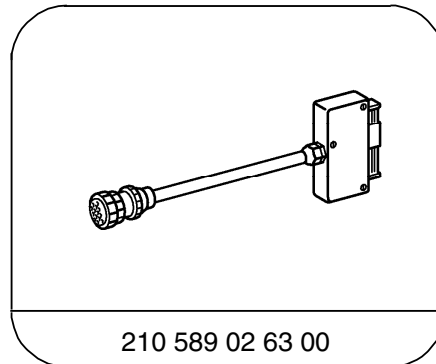
124 589 09 63 00

Ohm decade



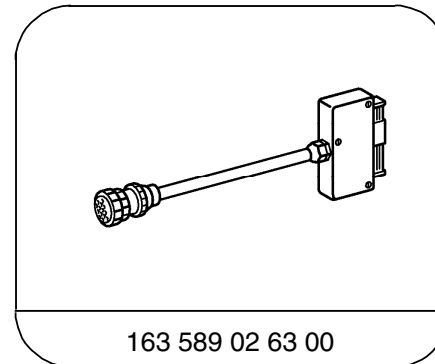
140 589 22 63 00

Adapter cable



210 589 02 63 00

36-pin test cable



163 589 02 63 00

Test cable 50-pin

Test equipment; See MBUSA Standard Service Equipment Program

Description	Brand, model, etc.
Digital multimeter	Fluke models 23, 77 III, 83, 85, 87

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Connection Diagram - Socket Box Tester/SRS Control Module Connector

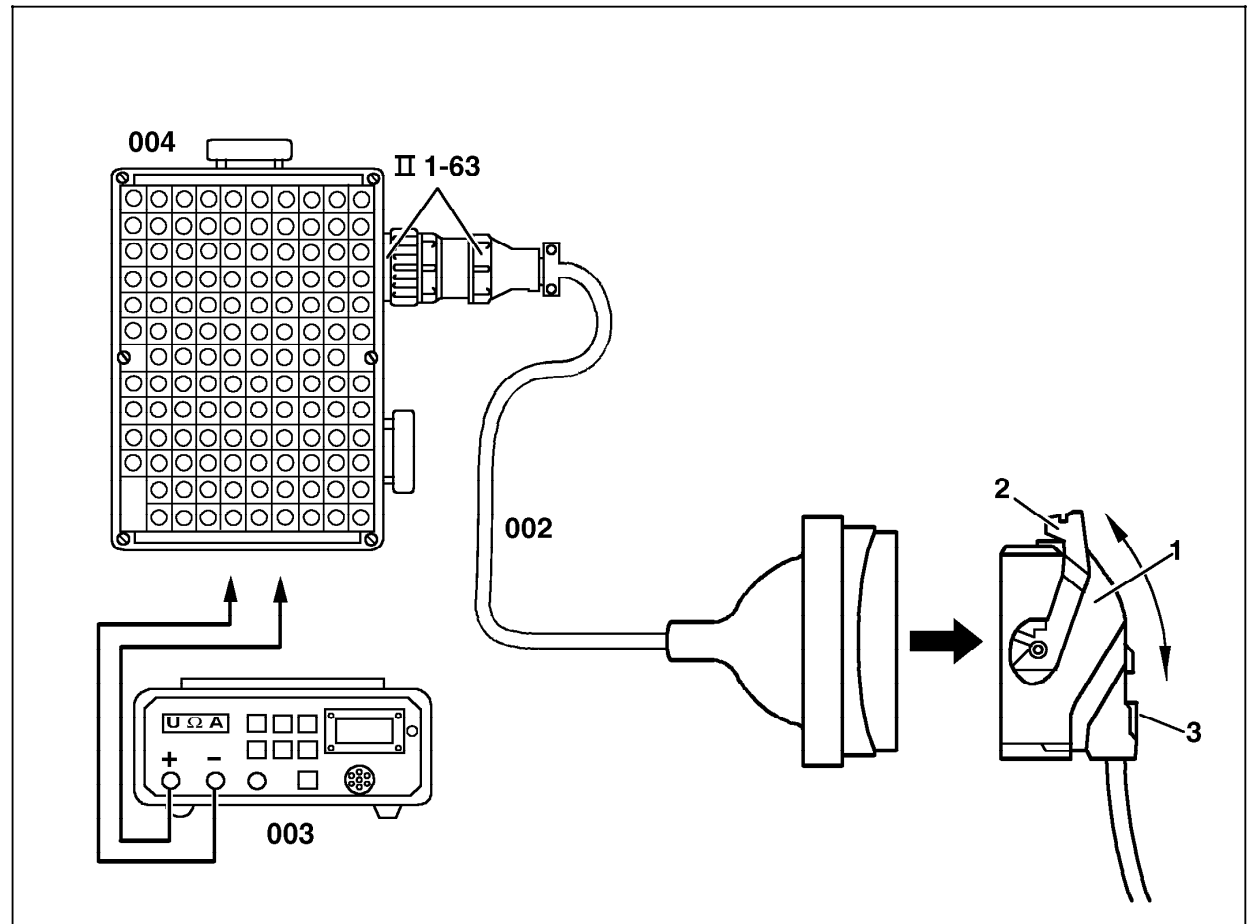


Figure 1

- 002 Test cable
- 003 Multimeter
- 004 Socket box (126-pole socket box)
- 1 SRS control module connector
- 2 Connect and disconnect aid
- 3 Connect and disconnect lock

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Connection Diagram - Test Cables/Squib Plug Connections  
 Review corresponding ETM document for location/identification of Airbag Squibs and also prior to connecting any test cables.

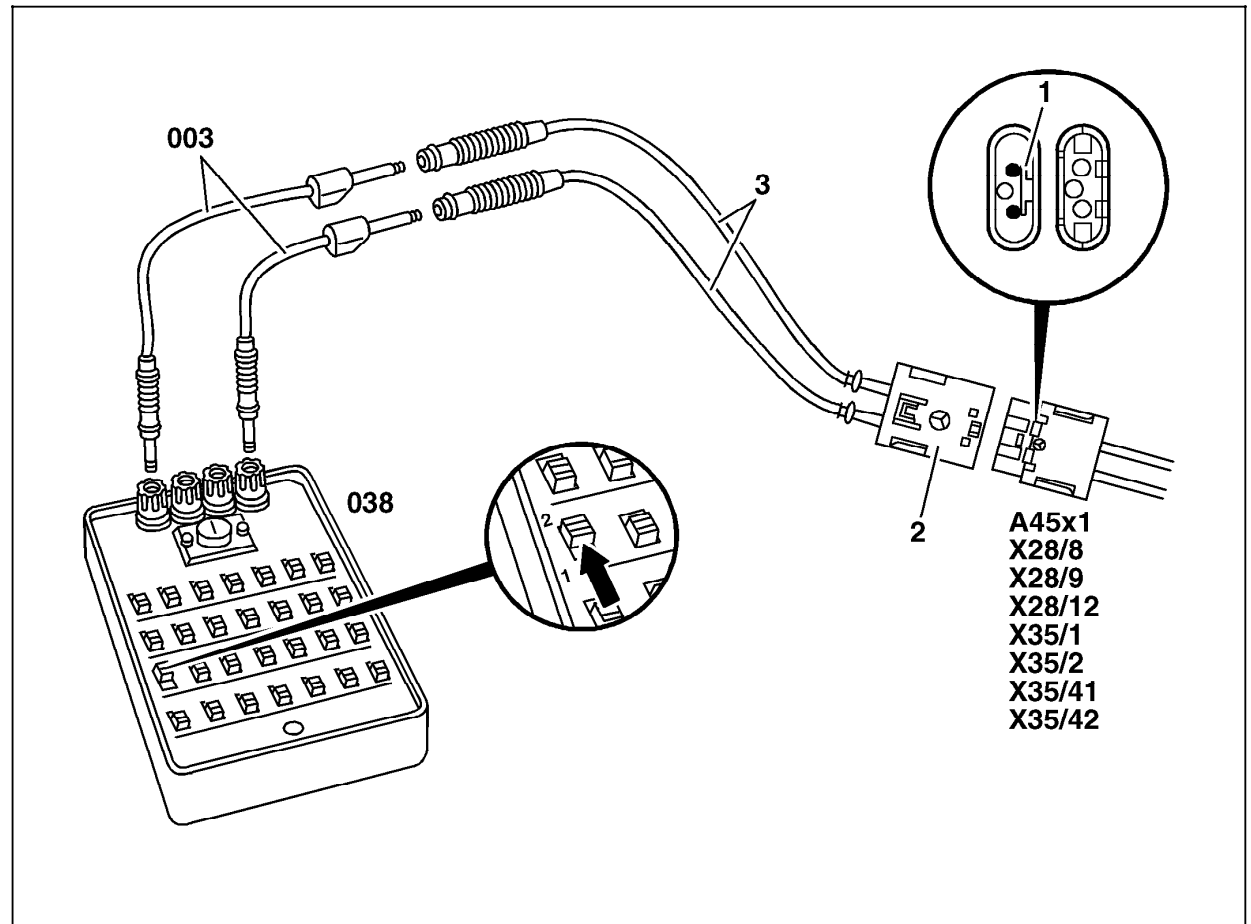


Figure 2

- 002 Test cable, part no. 140 589 22 63 00
- 003 Test cables with banana plugs
- 038 Resistance substitution unit
- R12/1 Driver ETR squib
- R12/2 Front passenger ETR squib
- R12/3 Driver AB squib
- R12/8 Front passenger AB squib
- R12/9 Left side airbag squib
- R12/10 Right side airbag squib

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