



MODEL

I12 (i8)

SITUATION

Distribution of the following tools will be through the Automatic Tool Shipment Program. All prices in this bulletin are introductory prices and are only valid at the time of initial publication.

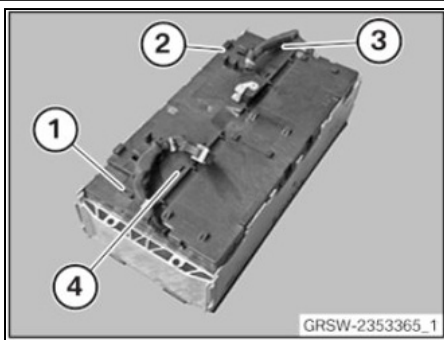
Important

Only properly trained personnel, who have passed all applicable technical training courses, should perform any maintenance or repairs on any Hybrid or Electric Vehicle. Work performed by unqualified persons may result in severe injury or damage to the vehicle. Additional information may be found in REP 61 00... Observe safety instructions when handling electric vehicles.

When servicing the high-voltage battery, the state of charge (SOC) of the new cell module(s) must match the SOC of the original (not replaced) cell modules. This may require either charging or discharging of the new cell module. Refer to SI B04 15 14 for complete module charger information. The following I12 wiring harness works with the module charger to properly prepare a new cell module for installation.



I12 Wiring Harness
Order P/N 83 30 2 353 365
Price - \$338.13



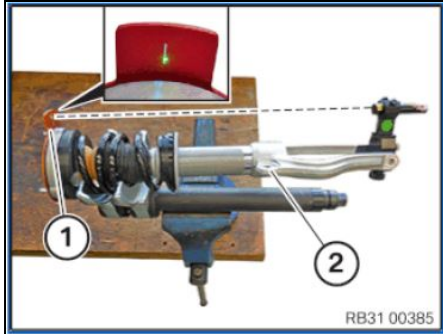
Connections from the module charger to the HV-battery cell module are as follows.

1. Positive terminal
2. Negative terminal
3. Connection used to monitor the module voltage and temperature
4. Connection used to monitor the module voltage and temperature

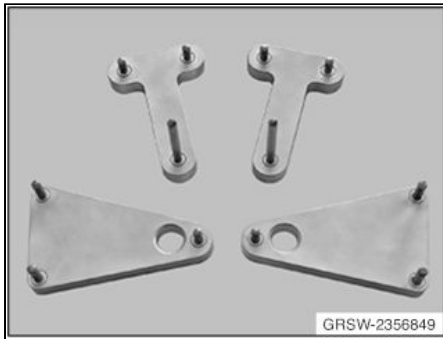


Target Gauge
Order P/N 83 30 2 357 969
Price - \$46.98

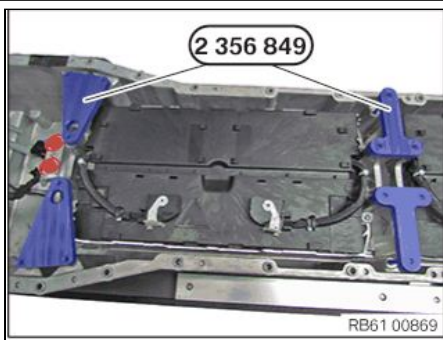
- The target gauge (1) is used to properly position the upper strut mount bearing on the strut tube (2) when installing the coil spring.



- The target gauge is used in conjunction with the strut mount tool P/N 83 30 0 496 659.
- Each target gauge has a left and a right side. Only 1 target gauge is required.
- Refer to SI B04 10 11 and B04 27 11 for strut mount tool details.
- For complete repair information on this tool, refer to ISTA Repair Manual section 37 11 032.



Lifting Brackets
 Order P/N 83 30 2 356 849
 Price - \$108.16



- The lifting brackets are used to safely lift a high-voltage battery cell module for removal and replacement.
- For complete repair information on this tool, refer to ISTA Repair Manual section 61 27 622.



Test Cable 6-Pin
 Order P/N 83 30 2 288 281
 Price - \$96.17

- Used to check the sensors of the rotor position and temperature of the electrical machine.
- Refer to the detailed instructions in the diagnosis test plan.

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Test Cable 15-Pin
 Order P/N 83 30 2 352 734
 Price - \$100.17

- The 15-pin test cable is used to properly diagnose the GA6F21WA transmission.
- It is connected between the control unit and the wiring harness.
- Refer to the detailed instructions in the diagnosis plan.

Test Cable 33-Pin

Order P/N 83 30 2 352 718

Price - \$93.50



GRSW-2352718

- The 33-pin test cable is used to properly diagnose the GA6F21WA transmission.
- It is connected directly to the transmission connector and connector "A" of breakout box 614 380.
- Refer to the detailed instructions in the diagnosis plan.