



SI B04 23 10
Tools and Equipment

November 2013
Technical Service

This Service Information bulletin supersedes SI B04 23 10 dated September 2013.

NEW designates changes to this revision

SUBJECT

Approved Battery Charger/Power Supplies

MODEL

All

INFORMATION

As the systems in BMW vehicles are improved and new advanced systems are added, the requirements for battery chargers/power supplies have changed.

NEW This bulletin now contains operational tips for proper utilization of the solar panel.

Important: Be sure to send a Deutronic charger to the authorized Deutronic repair center. Sending a Deutronic charger to a non-authorized repair center will result in a more costly repair bill and may void any remaining warranty.

Below is a chart that lists the approved battery chargers/power supplies for all vehicles. All back orders will be filled as stock arrives. Battery charger/power supply testing and approval is an extremely detailed process that is performed at a laboratory level. Additional battery charge/power supplies may be added to this listing as approvals permit. Please check the Service Information periodically for updates.

Manufacturer/Model	Power Supply	Battery Charger	BMW P/N
Deutronic DBL430 (SI B04 11 02)	All vehicles requiring 40 amps or less Power supply mode is used for diagnostics and programming.	All vehicles requiring 40 amps or less	NLA
Deutronic DBL800	All vehicles requiring 40 amps or less Power supply mode is used for diagnostics and programming.	All vehicles requiring 40 amps or less	81 39 0 428 957
V&H Multicharger 750 (SI B04	All vehicles requiring 40 amps or less Power supply	All vehicles requiring 40	81 39 0 393 555

09 07)	mode is used for diagnostics and programming.	amps or less	
Midtronics PSC700 power supply	All vehicles requiring 70 amps or less	N/A	BMW Equipment Program 888 222 7997
Deutronic DBL 1600		E72 and F01 or newer	81 39 2 158 534
Battery Charger mode is used for diagnostics and programming.			
Multi Charger 1500		E72 and F01 or newer	81 39 2 161 589
Battery Charger mode is used for diagnostics and programming.			
Deutronic DBL 500 – showroom only	N/A	All vehicles. Refer to note below.	81 39 2 348 763
Solar Panel w/LED Charge Indicators	N/A	All vehicles. Refer to note below.	81 39 2 353 004
Deutronic Battery Charge Indicator –OBD Plug Transport mode deactivated	N/A	All vehicles. Refer to note below.	81 37 2 317 996
Deutronic Battery Charge Indicator –Alligator Clips Transport mode active	N/A	All vehicles. Refer to note below.	TBD

DBL 500 – is designed only for vehicles in the center's showroom. The charging cable is designed so that it may be run through the engine compartment, under the vehicle and to the DBL 500. The DBL 500 is designed for continuous operation at various load conditions, according to the periodic self-performed battery test. **The DBL 500 is not approved for workshop diagnosis or programming applications.**

Solar Panel – is designed to safely maintain a battery's charge without overcharging or draining the battery (at night). The solar charger is designed to operate with lead acid (wet) batteries and AGM –Absorbent Glass Matt batteries. The solar panel is equipped with built-in charge indicator LEDs (red, yellow, green). **Refer to SI B61 18 08 for charge indicator operation.** Each solar panel comes with the solar panel, OBD II connection cable, charge indicators and 4 suction feet. The suction feet are used to attach the panel to a vehicle's window (southern-facing works best).

NEW Solar Panel Operational Tips – Following the operational tips below will ensure top

performance from the solar panel.

- Vehicle battery must be at a good State of charge ($>12.5V=70\%$ SoC) before the solar panel is utilized on a vehicle.
- Solar panels are used to maintain the battery charge. Do not move the panel from car to car to charge batteries. In order for the solar panel to work, it must remain connected to the vehicle over the long term.
- Place the solar panel in a south-facing window. This follows the path of the sun across the sky.
- Do not place the solar panel in a tinted window. This reduces the effectiveness of the solar panel.

Battery Charge Indicator – is designed for full-time use in center inventory vehicles. The included OBD II connection cable makes for easy installation on the vehicle's windshield. Mounting is accomplished with the suction cup (included).

Refer to SI B61 18 08 for charge indicator operation. An optional alligator clip cable is available for purchase for use with the battery charge indicator.

BATTERY CHARGE INDICATOR DISTRIBUTION - IMPORTANT INFORMATION

NEW Distribution of the battery charge indicator (with OBD plug and alligator clips) through the Automatic Tool Shipment Program is complete. This involved the battery charge indicator only. Additional battery charge indicators may be purchased through your Regional Distribution Center (RDC). The additionally purchased battery charge indicators will only be available with either the OBD plug (P/N 81 37 2 317 996) or the alligator clips (P/N TBD). This distribution is a onetime distribution and will not be repeated. Distribution quantities were calculated using an average of the first 5 months' (2013) center inventory. The distribution price below is only valid at the time of distribution.

Battery Charge Indicator - OBD

P/N 81 37 2 317 996

NEW Price: Refer to ATLAS

Alligator Clip Cable Only

Onetime distribution – cannot be reordered

NEW Price: Refer to ATLAS

Automatic Tool Shipment Distribution Example – Center ABC Shipment

Jan Inventory	Feb Inventory	Mar Inventory	Apr Inventory	May Inventory	5-Month Average	Auto shipment after
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Center ABC would be sent 38 Battery Charge Indicators under the automatic tool shipment.

Data	DBL 1600	Multi Charger 1500
Input:		
Rated voltage	100-240 V A/C	100-240 V A/C
Voltage Range	85 – 265 V A/C	90 – 264 V A/C
Frequency	45-65 Hz	47-63 Hz
Output:		
Max charging voltage (BMW setting)	14.8 V D/C	14.8 V D/C
Charging voltage range	13.2-15.5 V D/C	13.0-15.0 V D/C
Power Supply Max voltage	14.2 V D/C	14.0 V D/C
Maximum current output	105amps	100 amps

Data	Battery Charge Indicator
Input:	
Power Consumption	<4mA

Tolerance	+/- 1%
Indicator Lights:	
green	>12.5V
yellow	between 12.0V and 12.5V
red	<12.0 V

WARRANTY/SERVICE INFORMATION

Deutronic

- To start the Deutronic warranty or service repair process, go to www.subsri.com
- Select "Repair Information".
- Select "BMW Service Center Support".
- Select "Deutronic/SRI Repair Form".
- Follow the instructions in the shipping information box on the repair information screen.

Additional Information

- Downloadable instruction manuals are available on the Repair Information screen.
- The warranty for Deutronic units is 24 months from the date of purchase by BMW AG.
- A Deutronic Accessory catalog is available for download. Some items may not be available in the US.
- **Important: Be sure to send a Deutronic charger to the authorized Deutronic repair center. Sending a Deutronic charger to a non-authorized repair center will result in a more costly repair bill and may void any remaining Deutronic warranty.**

Multicharger

- To start the Multicharger warranty or service repair process, go to www.eltekvalere.com
- Select "Support".
- Select "Submit and RMA".
- Select "USA".
- Fill in the form.
- Select "Submit".
- Follow the instructions.

Additional Information

- **Important: Be sure to send a Multicharger charger to the authorized Multicharger**

repair center. Sending a Multicharger charger to a non-authorized repair center will result in a more costly repair bill and may void any remaining Multicharger warranty.

- The wall bracket P/N for the 750 is 81 39 0 393 556.
- The trolley for the charger is P/N 81 39 0 393 557.
- The new cables P/N is 81 39 0 309 920.

Midtronics

- To start the Midtronics warranty or service repair process, call 1 800 776 1995.
- A Repair Authorization number (RA#) will be assigned.
- The shipping address will be given to the caller.

Additional Information

- The Midtronics warranty is 1 year for parts and labor from the date of the dealer purchase.

Deutronic Accessories

Transport cart without light	81 39 0 429 281
Charge indicator light for transport cart	81 39 0 429 279
Wall bracket	81 39 0 429 282
Charging cable set 5M	81 39 0 441 623

The above accessories will work on the DBL800 – DBL1600 models.

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