



## MODEL

I12 (I8)

Produced up to May 12, 2015

## SITUATION

Sporadically, one or more of the following Check Control Messages may be displayed. The vehicle starts without problems and after a key cycle, the messages are gone.

ID 229 – “Charge Battery”

ID 304 – “Change Battery”

ID 415 – “Discharge Battery while stationary”

ID 460 – “Replace Battery”

ID 461 – “Battery state of charge ... %”

Additionally, one or more of the following fault codes may be stored:

DME – 213901 “Power management: reduction or switching off of individual electrical consumers”

BDC – 8040C7 “IBS: The recharging limit has been reached”

## CAUSE

Software error in the IBS (Intelligent Battery Sensor).

## PROCEDURE

1. Perform a vehicle test using ISTA.
2. Complete the Energy Diagnosis test plan and read the state of charge values for the last 6 days from “General Information”.
3. If a state of charge value of less than 10% is displayed for 1 day and the other 5 days are greater than 70%, and one or both faults listed above are stored, replace the IBS. Refer to ISTA Repair Instructions “61 12 013 Replacing the battery earth lead”.
4. If neither fault listed above is stored, continue with standard troubleshooting and diagnosis all other faults pertaining to the battery and power management.

Always connect a **BMW approved battery charger/power supply** ([SI B04 23 10](#)).

## PARTS INFORMATION

| Part Number     | Description                | Quantity |
|-----------------|----------------------------|----------|
| 61 21 9 117 876 | Intelligent Battery Sensor | 1        |

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

|                         |                         |   |
|-------------------------|-------------------------|---|
| <b>Defect Code:</b>     | <b>61 37 03 14 00</b>   |   |
|                         |                         |   |
| <b>Labor Operation:</b> | <b>Labor Allowance:</b> | <b>Description:</b>   |
| 00 00 006               | Refer to KSD2           | Performing "vehicle test" (with vehicle diagnosis system – checking faults) |
| And:                    |                         |   |
| 61 25 910               | Refer to KSD2           | Recharging high-voltage battery unit (to high voltage charging unit)        |
| And:                    |                         |   |
| 61 20 502               | Refer to KSD2           | Perform battery energy diagnosis  |
| And:                    |                         |   |
| 61 12 513               | Refer to KSD2           | Replace battery earth lead  |

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

### Other Repairs

If other eligible and covered work is performed as a result of performing the ISTA diagnostics and related test plans results, claim this work with the applicable defect code and labor operations listed in KSD2.