

Technical Service Bulletin

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|------------------------|--|
| Topic | Battery testing-Use of DIN figure when testing OE batteries under warranty |
| Market area | Bentley: worldwide (2WBE) |
| Brand | Bentley |
| Transaction No. | 2028254/2 |
| Level | EH |
| Status | Released for publishing |
| Release date | Nov 7, 2017 |

New customer code

| Object of complaint | Complaint type | Position |
|--|-------------------------------|----------|
| power, vehicle electrical system, data transfer -> battery management -> record history data | functionality -> no function | |
| power, vehicle electrical system, data transfer -> power supply -> auxiliary battery | electrical -> voltage too low | |
| power, vehicle electrical system, data transfer -> power supply | electrical | |

New workshop code

| Object of complaint | Complaint type | Position |
|--|-------------------------------|----------|
| power, vehicle electrical system, data transfer -> power supply -> auxiliary battery | electrical -> voltage too low | |

Vehicle data

Mulsanne

Sales types

| Type | MY | Brand | Designation | Engine code | Gearbox code | Final drive code |
|------|------|-------|-------------|-------------|--------------|------------------|
| 3Y2* | 2011 | E | | * | * | * |
| 3Y2* | 2012 | E | | * | * | * |
| 3Y2* | 2013 | E | | * | * | * |
| 3Y2* | 2014 | E | | * | * | * |
| 3Y2* | 2015 | E | | * | * | * |
| 3Y2* | 2016 | E | | * | * | * |
| 3Y2* | 2017 | E | | * | * | * |
| 3Y2* | 2018 | E | | * | * | * |
| 3Y2* | 2019 | E | | * | * | * |
| 3Y2* | 2020 | E | | * | * | * |

Chassis numbers

| Manufacturer | Filler | Type | Filler | MY | Factory | From | To | Prod from | Prod to |
|--------------|--------|------|--------|----|---------|--------|--------|-----------|---------|
| SCB | B** | 3Y | * | * | C | 000001 | 999999 | | |
| SCB | B** | ZH | * | * | C | 000001 | 999999 | | |

Documents

| Document name |
|----------------------------|
| master.xml |
| master.doc |

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Condition

Battery requires testing under warranty

Technical Background

When testing Original Equipment (OE) main system batteries covered by Bentley Warranty a 480 A DIN rating must always be input to the tester. This is irrespective of the detail given on the battery label

This document supersedes any previous letters related to this subject

Production Solution

None

Service



Figure 1

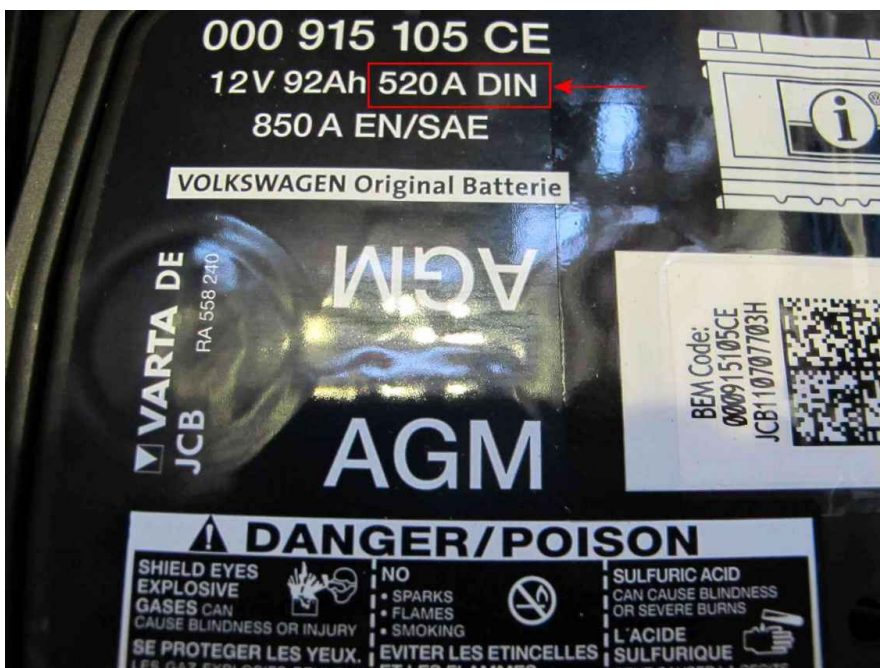


Figure 1a

1.Procedure Mandate: All tests carried out on OE main system batteries using the Midtronic battery tester (part number WT 10103) must be performed with the SELECT INPUT set to DIN

Detail: Bentley Aftersales recommends the use of DIN standard for battery testing. This enables our results in service to be cross-referenced with the internal tests carried out by our Quality audits and Bentley Manufacturing all of which use the DIN standard

2.Procedure Mandate: All tests carried out on OE main system batteries using the Midtronic battery tester (part number WT 10103) must be

performed using a SET RATING figure of 480

Detail: The main system battery may carry one of two labels. These will either designate the battery as a 480 A DIN or as a 520 A DIN (see Figure 1 and 1a).

All Bentley OE batteries fitted as main system units are rated a 480 A DIN irrespective of the detail printed on the label. There is no physical or chemical difference between the two batteries the change of label to 520 A DIN was done to meet an internal business requirement

Therefore any OE battery fitted and designated as the main system battery must, for testing purposes, be treated as a 480 A DIN unit (see table A).

| | Mulsanne Main System Battery rear | Mulsanne Starter Battery front |
|----------------------------------|--|---|
| SELECT TEST | IN-VEHICLE | IN-VEHICLE |
| BATTERY TYPE | AGM | Regular |
| TESTING AT | BATTERY POST | BATTERY POST |
| SELECT INPUT | DIN | DIN |
| DIN rating shown on label | 480 A or 520 A | 280 |
| SET RATING | Always set to 480 A (DIN) | 280 |

Table A

3.Procedure Mandate: All tests performed on OE main system batteries using the Midtronic battery tester (part number WT 10103) must be done with the tester set to 'IN-VEHICLE'

Detail: Using the setting 'In vehicle' has been found to be the most accurate method of assessing the true battery condition. For this test BOTH leads should be connected to the battery when testing.