

Technical product information

Transaction No.: 2035484/1

Battery testing-Use of DIN figure when testing OE batteries under warranty

Release date: 03-Oct-2013

Customer statement / workshop findings

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 the is subject

Production change

None

Measure



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 1and 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).

	Continental and Flying Spur Main System Battery left hand side	Continental and Flying Spur Starter Battery right hand side

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.