
PuMA measure

RR11/12/31 Steering assistance check control message due to failure of auxiliary battery

UR-V-2 65537708-01 - 4/20/21

Complaint:

The check control message "It is possible to continue driving. Steering effort and/or steering behaviour is changed. Drive moderately"

Is displayed in the central information display

Cause

Failure of the 12Ah aux battery for the electric steering system. The battery fails due to inadequate charging by the BCU 150

*Note, the 12Ah battery is the smaller aux battery located in the boot area, not to be confused with the larger aux battery in the engine bay

Measure

In the event of a customer complaint, please perform the following steps.

1. Perform ISTA diagnosis, follow the test plan generated by ISTA.
2. If fault code 0x4822E2 is stored, check the voltage of the 12Ah battery whilst applying full steering lock, if the voltage is less than 12 volts it indicates the 12Ah battery is damaged and should be replaced.
3. Replace the 12Ah battery AND replace the BCU 150.

Failure to replace the BCU will likely result in repeat failure of the 12Ah Battery!

The 12Ah battery and BCU should only be replaced if fault code 0x4822E2 is present in the vehicle, if the 12Ah battery has failed due to a lack of maintenance and not a defect with the BCU-150, then it cannot be claimed under warranty.

If the vehicle is storing additional fault codes to indicate low voltage of the main vehicle battery, then please run energy diagnosis in full to determine the reason for low battery voltage.

Warranty information:

Defect Code:61 42 01 15 Battery charging module Permanent malfunction

FRU's

00 00 006 Performing vehicle test 4 FRU

Checking the 12Ah Battery - 00 99 000 Job time without allowance for / maintenance 2 FRU

61 21 508 Removing and installing vehicle battery 3 FRU

61 42 511 Replacing battery charging module 3 FRU

Validity information

Model series: [RR11, RR12, RR31]
Engine range: [ALL]
Body style: [ALL]

Fault codes: [4822E2]
Production period: to 7/1/20

Repair overviews

61/21/002/27861/32119/25924, Auxiliary battery, vehicle electrical system support, Cannot be encoded with VFC, , Cannot be encoded with VFC, , Checking, repairing, replacing