6.5.2 Procedure 0.MEC.001: General check of battery condition

No of operators	Time	Operator qualification	Status	Frequency
1	10'	OP2	Off	Yearly

Tools/Equipment			
Item	**Description**	**Reference**	**Quantity**
T1	Set of fixed keys/ratchet	-	1

Note

The battery level is displayed on the AMR's start screen. See *Display on page 39* (display screens).

1 Check that the batteries' REMA power connector and cables are not damaged or frayed. This connector is visible on removing the top rear battery access hatch (T1).

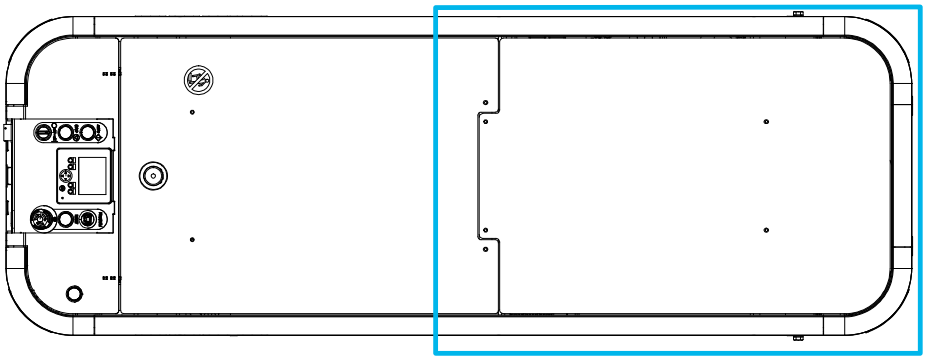

Figure 6.1: Central hatch location

2 Check that the connectors are not loose and are not dusty or dirty.

3 If the AMR does not finish its normal work cycle with the original charge, increase the number of automatic charging stops (contact ABB). Otherwise, replace the battery, as its power storage capacity may have diminished.

Note

Check battery condition using a battery analyzer to measure the internal resistance. The greater the resistance to the initial level, the more the power storage capacity diminished.

WARNING

If the AMR is stored with the battery fully charged and at high temperatures, the chemicals in the battery may deteriorate to 50% performance within approximately one year.

4 Check there is no free space between the battery and its holder.

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5 It is advisable to balance the batteries if possible, i.e., charge the AMR to 100% of the battery capacity.