



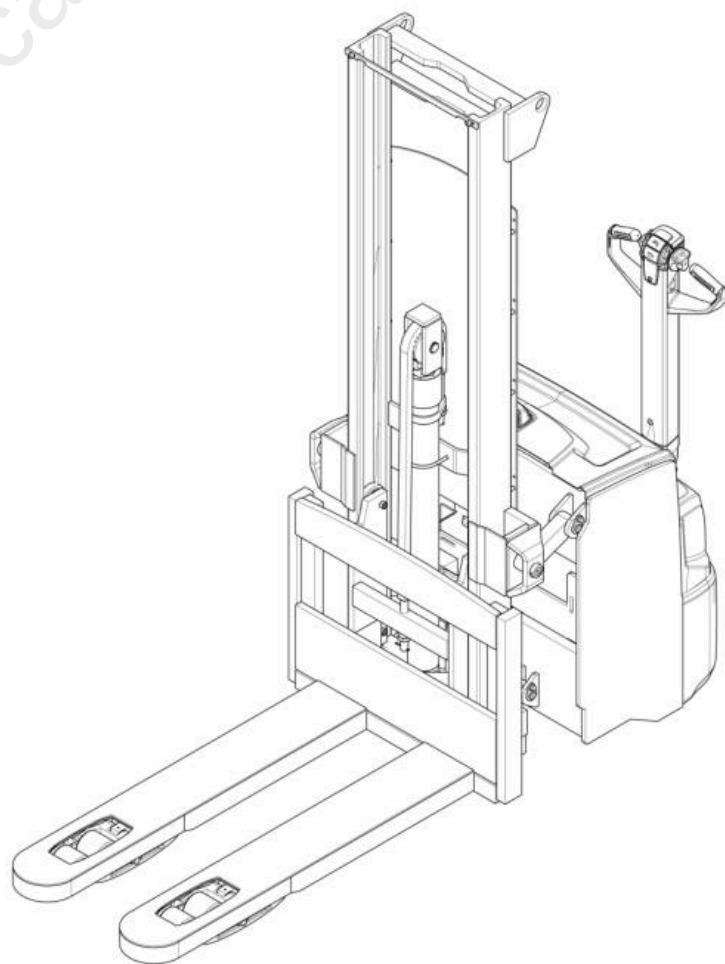
SERVICE MANUAL

SBP

10N2/12N2/12N2I/14N2/14N2I/

16N2/16N2I/16N2S

616840





Battery hazard



Electrical hazard

Prohibited action symbols

These symbols are used in warnings and notifications to indicate an action that should not be taken. The prohibited action symbols are presented below.



No smoking



General symbol for prohibited action

Mandatory action symbols

These symbols are used in warnings and notifications to indicate an action that must be taken. The mandatory action symbols are presented below.



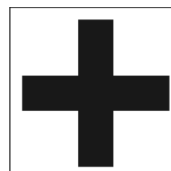
Wear eye protection



Read the manual or instructions



General symbol for mandatory action



Doctor symbol



Batteries marked with this sign must be recycled.

- To avoid back injury, use a hoist when lifting components weighing 23 kg (51 lb) or more. Make sure all chains, hooks, slings, etc., are in good condition and of the correct capacity. Make sure all hooks are positioned correctly. Lifting eyes are not to be side-loaded during a lifting operation.
- Make sure all protective devices including guards and shields are properly installed and functioning correctly before starting a repair. If a guard or shield must be removed to perform the repair work, use extra caution.
- Always support the mast and carriage to keep the carriage or attachments raised when performing maintenance or repair work that requires the mast to be in the raised position.

3.2 Personal safety

- Remove all rings, watches and other pieces of metal jewellery before you start working on the truck. If a metal object gets into contact with an electrically conductive part, it may cause a short circuit or a serious burn.
- Always wear protective glasses and protective shoes when working around trucks. In particular, wear protective glasses when using a hammer or sledge on any part of the truck or its attachments. Use welder's gloves, hood/goggles, apron and other protective clothing appropriate to the welding job being performed. Do not wear loose fitting or torn clothing.

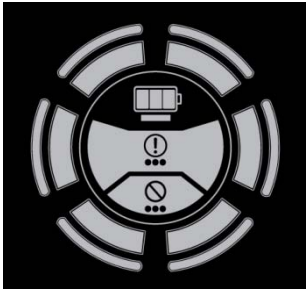
3.3 Work safety

- Unauthorized truck modification is not permitted. No modifications or alterations to a powered industrial truck, which could affect, for example, capacity, stability or safety requirements of the truck, shall be made without the prior written approval of the original truck manufacturer, its authorized representative, or a successor thereof. This includes changes affecting, for example, braking, steering, visibility and the addition of removable attachments. When the manufacturer or his successor approves a modification or alteration, the manufacturer or successor shall also make and approve appropriate changes to the capacity plate, decals, tags and operation and maintenance handbooks.

Only in the event that the truck manufacturer is no longer in business and there is no successor in the interest to the business, may the user arrange for a modification or alteration to a powered industrial truck, provided, however, that the user:

- a. arranges for the modification or alteration to be designed, tested and implemented by an engineer(s) expert in industrial trucks and their safety,
- b. maintains a permanent record of the design, test(s) and implementation of the modification or alteration,
- c. approves and makes appropriate changes to the capacity plate(s), decals, tags and instruction handbook, and

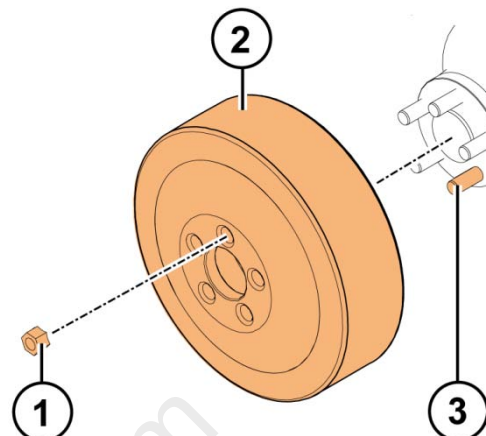
Table 2. Level of battery charge indications

LED DISPLAY	DESCRIPTION
	Green light in all six dial segments = Battery charge level at 70 - 100%
	Yellow light in the bottom four dial segments = Battery charge level at 40 - 70%
	Red light in the bottom two dial segments = Battery charge level at 20 - 40%
	Slowly flashing red light in the bottom two dial segments = Battery charge level at 0 - 20% (battery is empty, recharge immediately)

In case of a warning or error, press and hold down the brake release button to read the warning or error code. The LED display uses a flashing light sequence to indicate the error code as explained in Table 3.

5.7.1 Disassembly of the traction wheel

1. Remove the five rounded cone nuts holding the traction wheel in place.
2. Remove the traction wheel.
3. Check the condition of the wheel shaft bolts. Replace the bolts, if needed. For instructions, see section 5.7.1.1 below.



5.7.1.1 Replacing the wheel shaft bolts

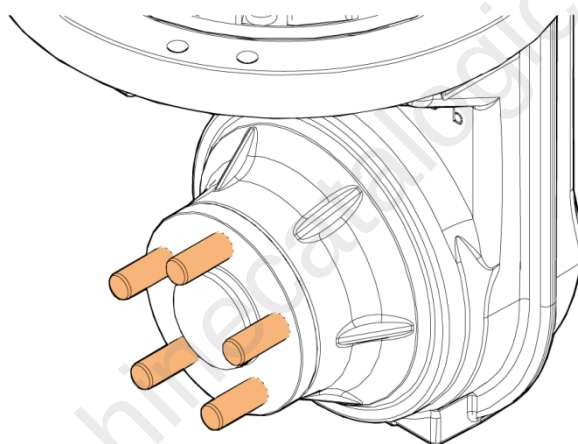
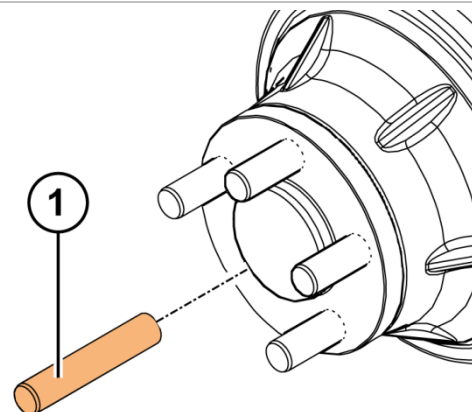


Figure 28. Wheel shaft bolts overview

If the wheel shaft bolts of the traction wheel are defective, you need to replace them.

1. Unscrew the defective wheel shaft bolt.



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Mitsubishi SBP12N2 Stacker Service Manual (616840-B)

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