

Service Manual

New Generation AC Reach Truck

Developed and Collected By:

Done Information.

Date:

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Revision Level: 1

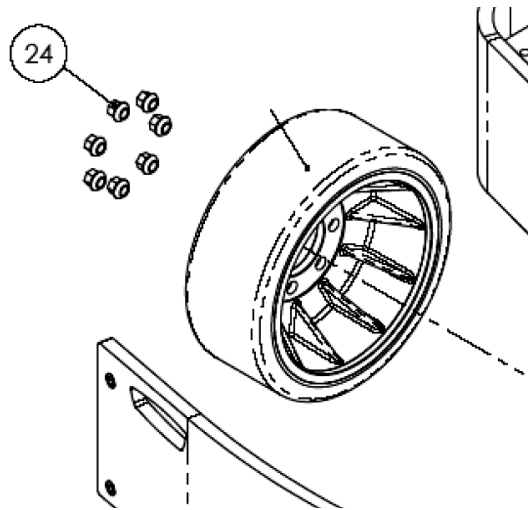


Figure: 3.4 Drive wheel nuts

The load wheels are located at the ends of the support legs. The main purpose of the load wheels is to support the weight of the mast and load. Depending on the truck model, there are either narrow or wide load wheels on each leg side.

Below is a figure portraying the construction of load wheels without the load wheel brakes:

LCD Heater ControlRange/value: **ON/OFF**

Display heater control enabled or disabled.

Sound EffectsRange/value: **ON/OFF**

Display sound effect enabled or disabled.

PreHeight SetupRange/value: **ON/OFF**

Pre-height selector setup enabled or disabled.

When disabled, programming the pre-height selector is not possible.

Performance SetupRange/value: **ON/OFF**

Performance setup enabled or disabled.

When disabled, adjusting the max. traction speed in the operator mode is not possible.

Battery Cell CheckRange/value: **ON/OFF**

Battery cell check enabled or disabled.

Height Multiplier**Default 3.75, do not change!**

Height multiplier converts mast encoder pulses to millimetres.

4.15.3 Truck Parameters**BDI Curve****0...9**

Battery discharge curve selection

The lowering function operates as follows:

1. The operator requests lowering by moving the fingertip control towards the lowering position.
2. The voltage is supplied to the M1 valve coil by pulsing. As the conduction time of the voltage is prolonged, the valve coil voltage in the RIO1 board rises. At the same time, the pressure also rises in the lifting/lowering spool, and makes the spool move into lowering position.
3. Hydraulic fluid pressure is reduced on the left side of the proportional lowering valve, which causes the bottom envelope to return to the upper or open position.

NOTE There is still enough pressure available for the M1 valve to activate the lifting/lowering spool.

4. The hydraulic fluid returns to the tank at the requested rate, which is indicated by the position of the fingertip control.

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Mitsubishi RB14N Reach Truck Service Manual (WHSM0014)

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