



## Workshop literature

**STILL  
ELECTRONIC  
DOCUMENTATION  
SYSTEM**

### Electric forklift truck

RX60-25 - 35, RX60-40 - 50

RX60-25  
RX60-30  
RX60-35  
RX60-40  
RX60-45  
RX60-50



6321 6322 6323 6324 6325 6327  
6328 6329 6330 6361 6362 6364  
6367 6368 6369

first in intralogistics

171861 EN - 06/2013



## Edition 2013/06

- **Version 4**
- Various corrections and enhancements
- Integration of new type carriers 6361–6369 (RX60-xx/LSP600)
- Chapter 22 - "Mechanical drive axle", chapter re-structured
- Chapter 42 - "Steering axle", curve switch revised
- Chapter 49 - "Brake system", chapter re-structured
- Chapter 60 - "Insulation testing" revised
- Chapter 60 - "Power cables" added
- Chapter 64 - "MCU2" integrated
- Chapter 69 - "Maintenance guidelines for appliance plugs" added

## Edition 2011/12

- **Version 3**
- Various corrections and additions.
- Introduction re-summarised.
- Chapter 00 — maintenance and diagnostics added.
- Chapter 42 — CSC revised.
- Chapter 49 — electric parking brake revised.
- Chapter 60 — insulation testing and intermediate circuit summarised.
- Chapter 64 — SAC converter added

## Edition 2010/10

- **Version 2**
- Various corrections and enhancements
- Facelift integration, Step 1 and 2
- Integration RX60–50 LP600 (6330)
- Chapter 22 - "Mechanical drive axle", drive wheel unit and power unit revised.
- Chapter 49 - "Brake system", electric parking brake added
- Chapter 50 - "Operating devices" revised
- Chapter 56 "Display elements" revised, all documentation about the display operating unit is now contained in a separate workshop manual
- Chapter 60 "Electrics / Electronics" revised and expanded
- Chapter 69 "Batteries and accessories" added
- Chapter 70 - "Hydraulics, general" revised
- Chapter 71 "Auxiliary hydraulics" revised and expanded
- Chapter 76 - "Valves", hand lever and servo hydraulics revised and added
- Chapter 81 "Lift mast" revised and expanded
- Chapter X - "Circuit diagrams" added

## Edition 2007/12

- **Version 1**
- First issue



## Documentation

This workshop manual contains all the information required to assist trained service engineers with all work, repairs and maintenance on this truck.

In addition, some of the components have been deliberately excluded from this workshop manual and are explained elsewhere in order to ensure a clear overview. These components are explained in workshop handbooks, special documentation and circuit diagrams.

Changes may be made at short notice and at any time, and are communicated via Service Information documents.

### Workshop manuals

- Display elements - display
- FleetManager™

### Special documentation

- Error list
- Overview of truck software
- STILL Flasher
- Overview of consumables
- FEM 4.004 test log book

### Operating circuit diagrams

- see the circuit diagram overview

## Symbols Used

The signal terms **Danger**, **Warning**, **Caution**, **Note** and **Environment note** are used in this document as hazard warnings or for unusual information that requires special identification:

### DANGER

means that failure to comply involves risk to life and/or major damage to property can occur.

### WARNING

means that failure to comply involves risk of serious injury and/or major damage to property can occur.

### CAUTION

means that failure to comply involves risk of material damage or destruction.

### NOTE

*means that particular attention is drawn to combinations of technical factors which may not be evident even to a specialist.*

### ENVIRONMENT NOTE

*The instructions listed here must be complied with as otherwise environmental damage may result.*

For your safety, additional symbols are also used. Please heed the various symbols.

## Changes and retrofitting

### Warnings before making changes to the truck

If the truck is used for work not listed in the guidelines or truck-specific original operating instructions and has to be converted or retrofitted accordingly, you should be aware of the following:

- Any structural modification can affect the handling and stability of the truck, and can result in accidents.
- Without authorisation from STILL, no changes that affect the stability, the load capacity and the safety systems may be carried out.
- Operation of the truck without an overhead guard at a lift height of over 1800 mm is prohibited.
- It is prohibited to install and use restraint systems that are not approved by STILL.
- It is prohibited to drill holes in the overhead guard or to perform welding on it.
- When carrying out welding on other parts of the truck, it is essential that the battery and all connections to the electronic controls are disconnected.
- **Only for electric forklift trucks:** It is prohibited to drill holes in the area of the driver's seat into the battery hood because hydrogen can enter through the bores into the driver's cab.

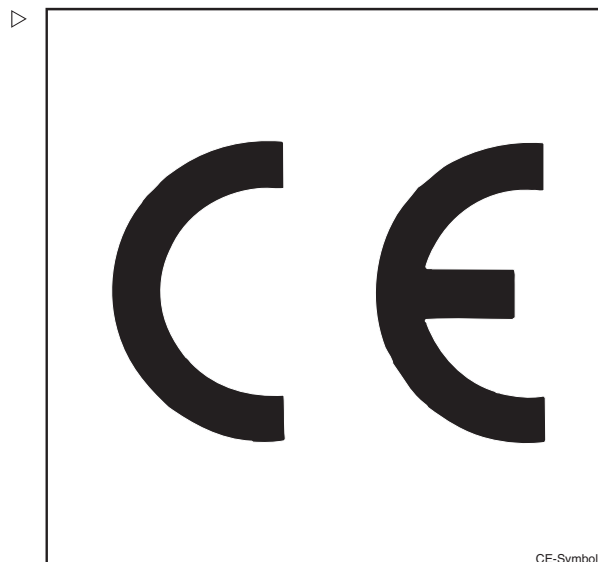
### CE conformity

With the CE declaration of conformity, STILL confirms that the truck complies with the standards and regulations valid at the time of marketing. The CE conformity mark is shown on the nameplate and indicates compliance with the above regulations.

A subsequent structural change or addition to the truck can compromise safety, thus invalidating the CE declaration of conformity. In this case, a new CE declaration of conformity is essential for the structural changes. The company that was instructed by the truck operating company to carry out the change is responsible for issuing a new CE declaration of conformity.

The contractor of the operating company must also fulfil the following prerequisites:

- Construction documents, test documents and assembly instructions associated with the change must be archived and remain accessible at all times.
- Check that the capacity rating plate, decal information, hazard warnings and the operating



instructions are consistent with regard to the changes and modify if necessary.

The change must be processed by a design office that specialises in the area of industrial trucks. The change must be planned, checked and implemented in accordance with the standards and directives valid at the time.

## Working with spare parts

### Warning regarding non-original parts

Original parts, attachments and accessories are specially designed for this truck. We specifically draw your attention to the fact that parts, attachments and accessories supplied by other companies have not been tested and approved by STILL.

#### **⚠ CAUTION**

Installation and/or use of such products may therefore have a negative impact on the design features of the truck and thus impair active and/or passive driving safety.

We recommend that you obtain approval from the manufacturer and, if necessary, from the relevant regulatory authorities before installing such parts. STILL accepts no liability for any damage caused by the use of non-original parts and accessories without approval.

### Working with electronic controls

It is not generally permitted to open controls. STILL's liability and the warranty are no longer applicable once the seal has been damaged.

In exceptional cases, personnel authorised by STILL are allowed to open the controls.





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