MidWestTech | Linde E20C/600, E25C/600, E30C, E30C/600 Electric Forklift Operator's Ma...



Operating Instructions and Periodic Maintenance

Electric Powered Fork Lift Truck
E20C/600 E25C/600 E30C E30C/600

347 804 2501

Contracts #2792 thru 2795 July 2003

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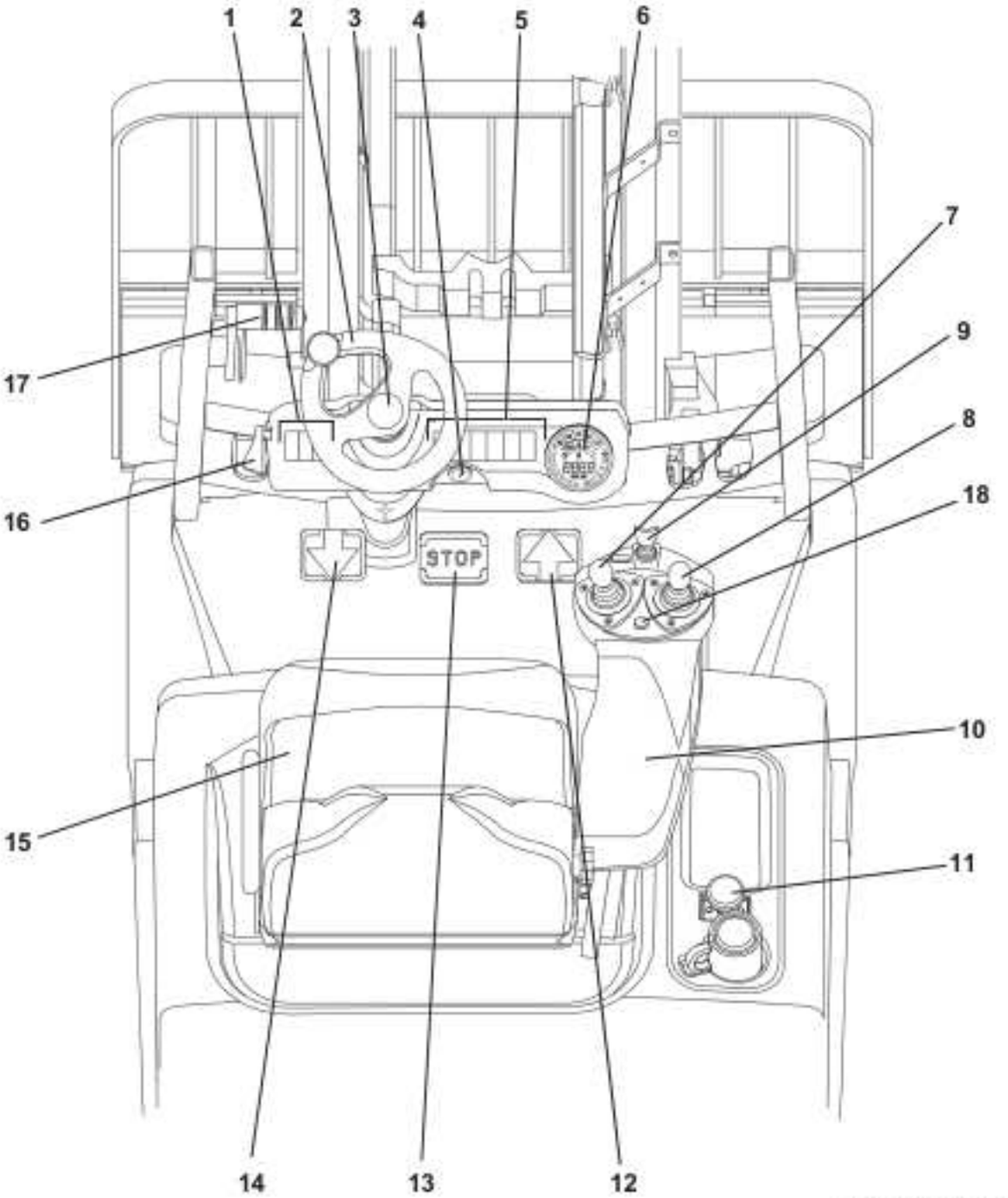
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1 Toggle switch for additional functions*
2 Steering wheel (hydrostatic power steering)
3 Signal horn
4 On/Off Key switch
5 Toggle switch for additional functions*
6 Dash display
7 Control lever (joystick) for working hydraulics
8 Control lever (joystick) for auxiliary hydraulics (attachments)*
9 Forward / Reverse Switch *
10 Armrest for driver's seat
11 Battery disconnect
12 Forward accelerator pedal
13 Brake pedal
14 Reverse accelerator pedal **
15 Driver's seat with seat switch
16 Steering Tilt Lever
17 Parking brake
18 Signal Horn *



* Option
** Not included with optional forward/reverse switch, (Item #9)

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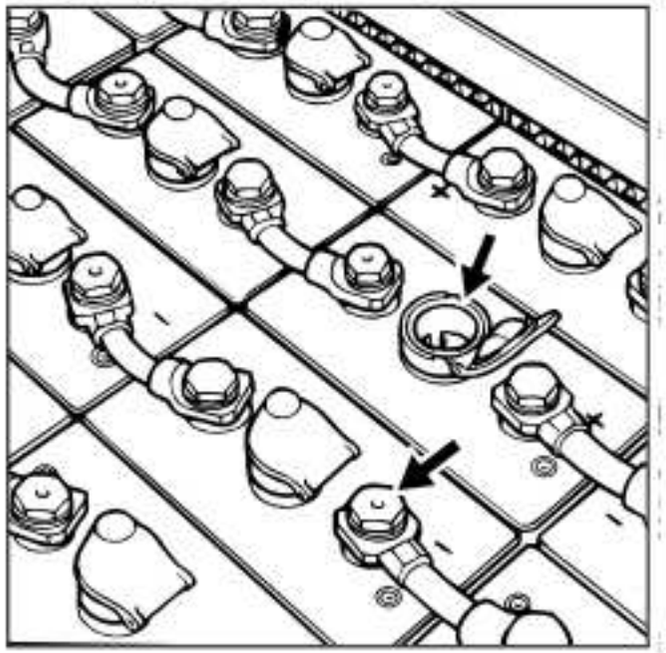
Check the condition, electrolyte level and specific gravity of the battery

- Check the battery for casing cracks, lifted plates and electrolyte leakage.
- Unscrew the caps and check the electrolyte level. On batteries with separator plates, the fluid should be at the bottom of the tubes. On batteries without tubes, the fluid should be 10 - 15 mm above the plates.
- Check the electrolyte level after charging the battery. If it is low, top with distilled water only.
- Remove corrosion on battery poles and coat with non-acidic grease.
- Retighten pole clamps firmly.
- Check the specific gravity using a hydrometer. The specific gravity of the electrolyte should be between 1.28 and 1.295 when temp. is corrected to 77°F (or 25°C).

Contact your battery representative for correct specifications and instructions for your battery.

NOTE:

Discharges which are under 20 % of the rated capacity are deep discharges. Deep discharges shorten the service life of the battery.



Battery change

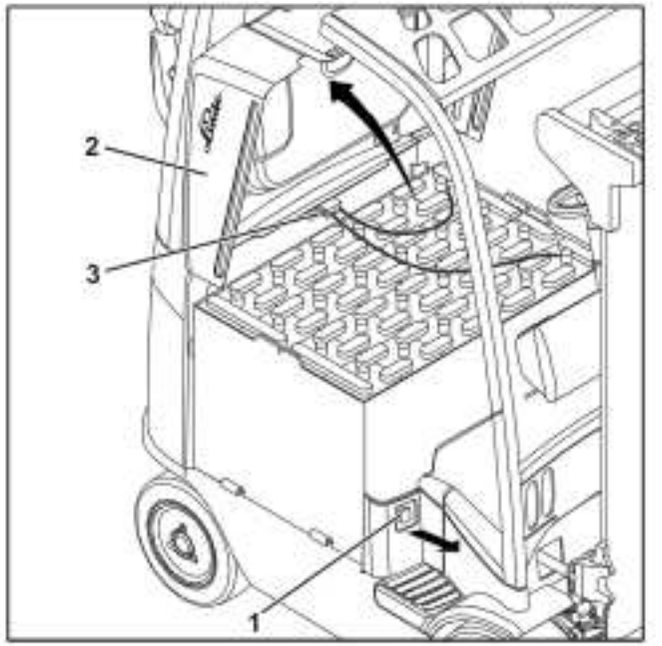
⚠ WARNING:

The replacement battery must correspond to the standard battery both in size and weight. Deviations in weight must be compensated by additional weights. The battery must be secured against sliding. Please consult your authorized distributor.

- Fully lower the fork carriage.
- Apply the parking brake.
- Depress the emergency battery disconnect button.
- Pull the hood latch (1) forward, lift hood (2) upwards until the pneumatic cylinder fully engages the hood in the open position.
- Remove right side battery cover by lifting cover upwards and pulling out.

⚠ WARNING:

Pull only on the battery connector body, when disconnecting the battery connector. Pulling on the battery wires could pull back the insulation and expose the wires.



Battery removal and installation with a crane

Use a crane and a lifting gear with a sufficient load capacity (see technical data for battery weight).

- Disconnect the battery female connector (3) from the battery male connector.
- Position the crane with the lifting sling over the battery. Be sure to place the lifting sling within the battery removal opening (4).
- Attach the lifting gear to the battery.
- Lift the battery above the battery retainers and out of the chassis and remove to the side.

Installation of battery is in reverse order of above.

NOTE:

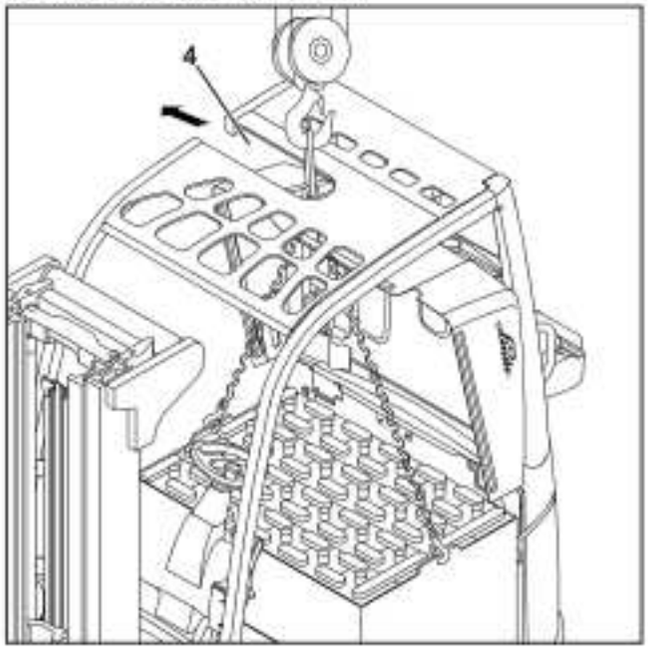
Ensure that the receptacle on the battery is fully seated in the receptacle on the truck.

NOTE:

Lift battery only high enough to clear the battery retainers otherwise damage to the hood is possible.

⚠ CAUTION:

Be sure to place the lifting chain within the battery removal opening in the overhead guard.



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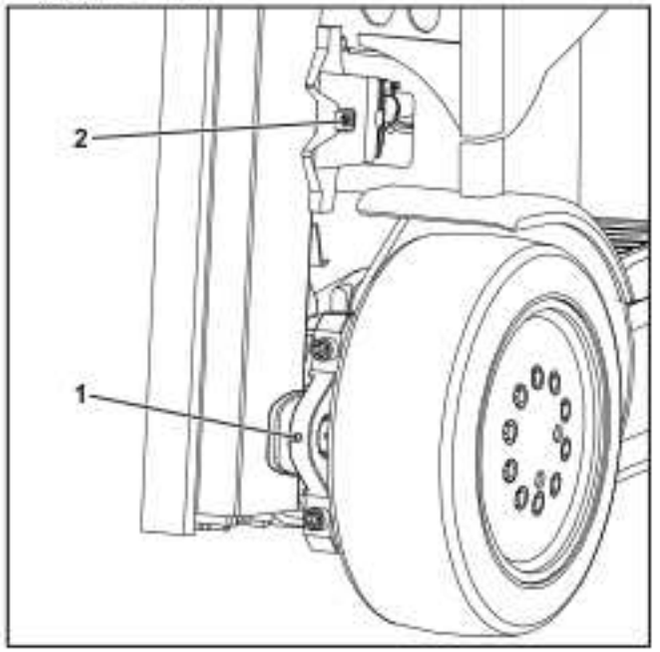
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Lubricate the mast and tilt cylinder pivots

NOTE:

Use a lubricating grease.

- Lubricate the left and right mast pivot grease nipples (1).
- Lubricate the left and right tilt cylinder grease nipples (2).
- Lubricate with a grease gun until fresh grease emerges at the pivots.
- Pull the hood latch forward, lift hood upwards until the pneumatic cylinder fully engages the hood in the open position.
- Remove the floor plate.
- Lubricate the left and right grease nipples (3) of the tilt cylinder, at the chassis, with grease.
- Lubricate with a grease gun until new grease emerges at the pivots.
- Replace the floor plate.
- Close the hood.

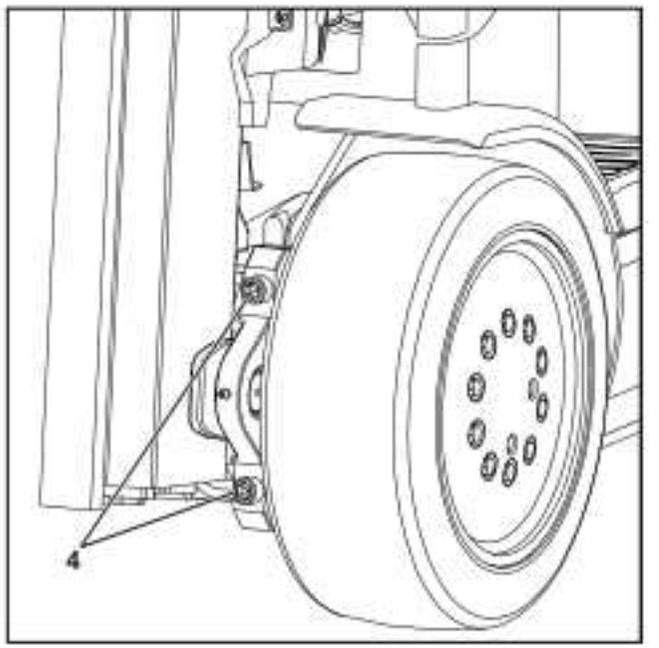




Retighten the mast fastening bolts

- Check the left and right fastening bolts (4) of the mast pivot bearing shells for tightness.

  Torque: ..... 385 N-m



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Operational Warnings

A list of proper operating procedures and hazards are outlined on this warning decal which is on the truck. Operators should become familiar with all of the items on the list to ensure safe operation of the truck. Unsafe operation can endanger the operator as well as others.



Lug Nut Warning

Informs that the wheel nuts must be tightened at various, specific times.



Parking Brake Warning Decal

This decal reinforces the fact that the parking brake is not automatically applied. The parking brake must be applied upon exiting the truck.



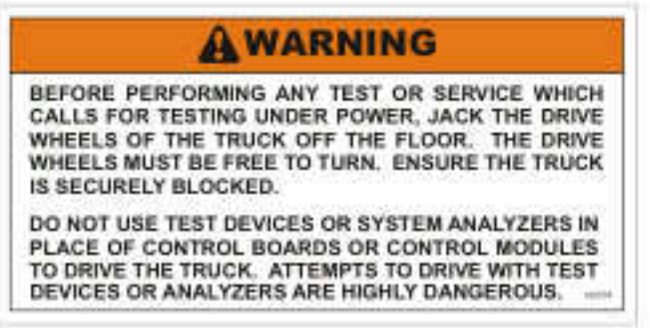
No Step Warning Decal

This decal states not to step or stand within a certain location.



Test / Service Warning Decal

This decal reinforces the requirement that the wheels must be free to turn. Jack the drive wheels off the floor before performing any test or service which calls for testing under power.



Auto-Braking Disabled Warning Decal

This decal warns that the truck will coast with the accelerator pedal(s) in the released position.



Crushed Fingers Warning Decal

This decal states to keep hands clear at all times.



This safety decal is on the upright to warn of the danger of injury from movement between rails, chains, sheaves, fork carriage, and other moving parts of the upright assembly. Do not climb on, reach through, or stand on any portion of the upright. All repairs should be performed by trained mechanics.

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