



Service Manual

Chassis, Mast & Options

FB20K PAC	EFB8C-00011-up
FB25K PAC	EFB8C-50001-up
FB30K PAC	EFB9C-00011-up
FB35K PAC	EFB9C-50001-up

Installation

To install, reverse the removal sequence and follow the instructions below.

NOTE

Use the same size and brand of tire.

Make sure the clamping surfaces of the wheel nuts and counterbores in rim are free of dirt.

1. Install the wheel and tighten the wheel nuts. Tighten each nut until its tapered portion is in full-face contact with the counterbore in the rim.
2. Lower the truck until the wheel touches the floor. Then tighten the wheel nuts in the sequence shown in the illustration in two or three steps, to the specified torque.

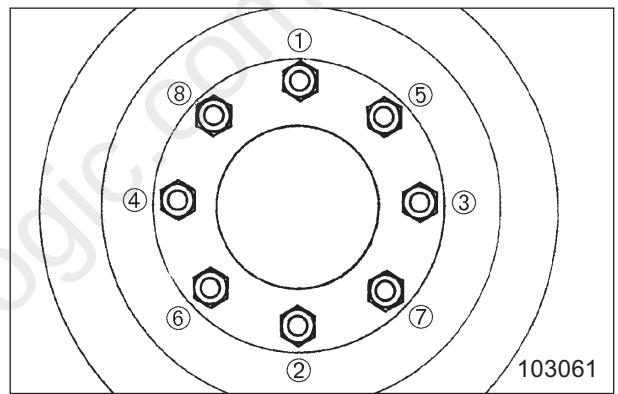
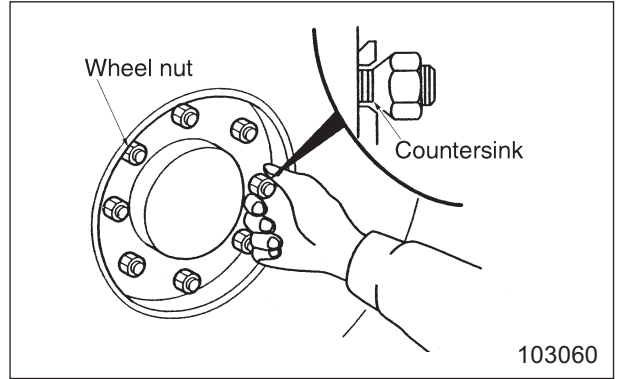
2 ton class and 2.5 ton class

Tightening torque for wheel nut (front)	$157 \pm 15.7 \text{ N}\cdot\text{m}$ $(16.0 \pm 1.6 \text{ kgf}\cdot\text{m})$ $[115.7 \pm 11.6 \text{ lbf}\cdot\text{ft}]$
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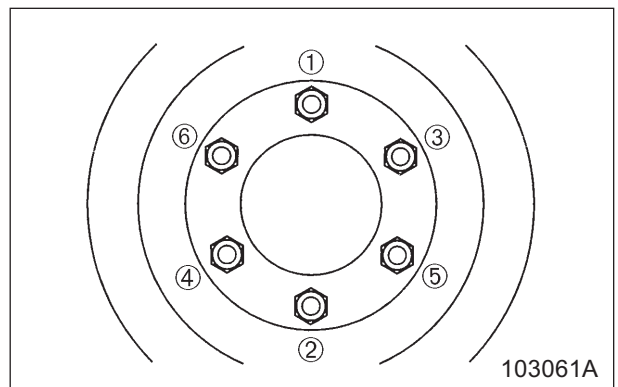
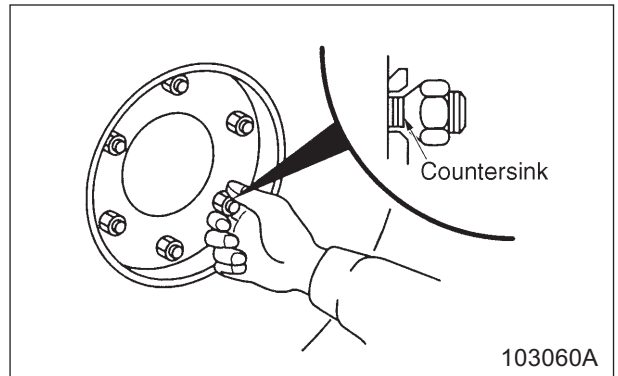
3 ton class and 3.5 ton class

Tightening torque for wheel nut (front)	$378 \pm 37.8 \text{ N}\cdot\text{m}$ $(38.5 \pm 3.9 \text{ kgf}\cdot\text{m})$ $[278 \pm 28 \text{ lbf}\cdot\text{ft}]$
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2 ton class and 2.5 ton class

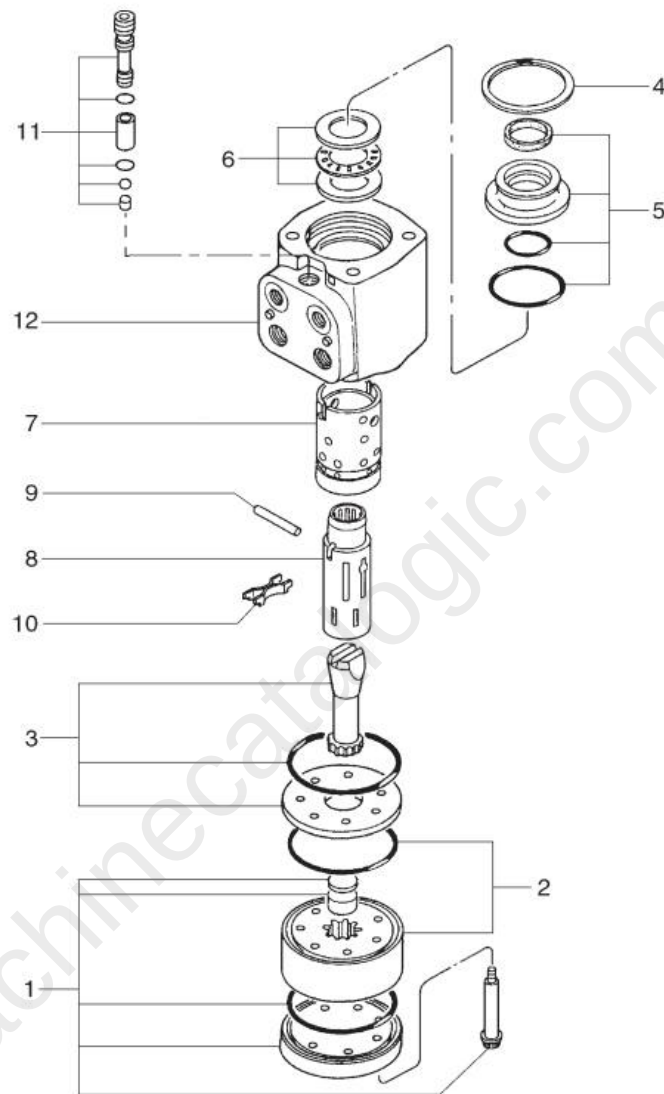


3 ton class and 3.5 ton class



Steering Control Valve

Disassembly



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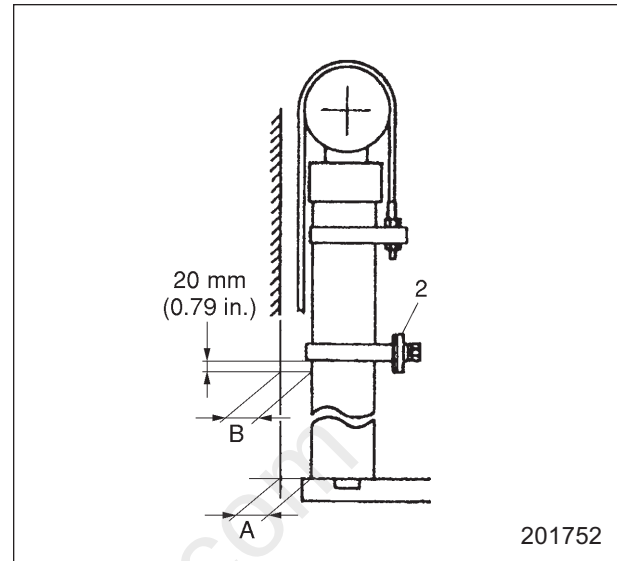
Sequence

- | | |
|--|---|
| 1 End cap, Bolts, O-ring and Spacers | 7 Control sleeve |
| 2 "Gerotor" set, O-ring | 8 Control spool |
| 3 Drive shaft, Spacer plate and O-ring | 9 Pin |
| 4 Retaining ring | 10 Centering springs |
| 5 Seal gland bushing, O-ring, Oil seal and Dust seal | 11 Check valve, Check ball retainer, Ball, O-ring, Check seat and Screw |
| 6 Thrust needle, Race bearing | 12 Long housing |

3. Installing first lift cylinder

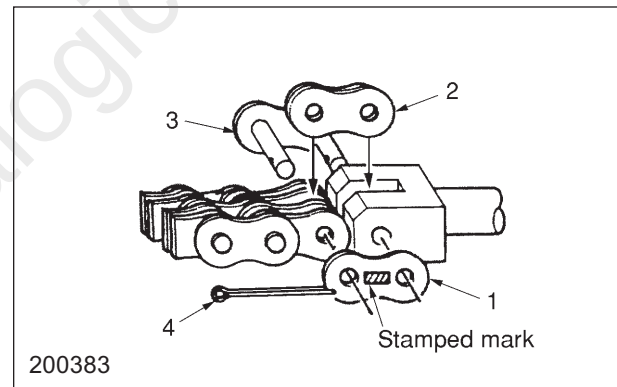
The first lift cylinder must be installed parallel to the mast when the lift cylinder rod is contracted.

Make sure the cylinder does not tilt forward. Using shims 2, adjust the backward inclination so that clearance at section B is 0 to +0.5 mm (0 to +0.02 in.) larger than clearance at section A.



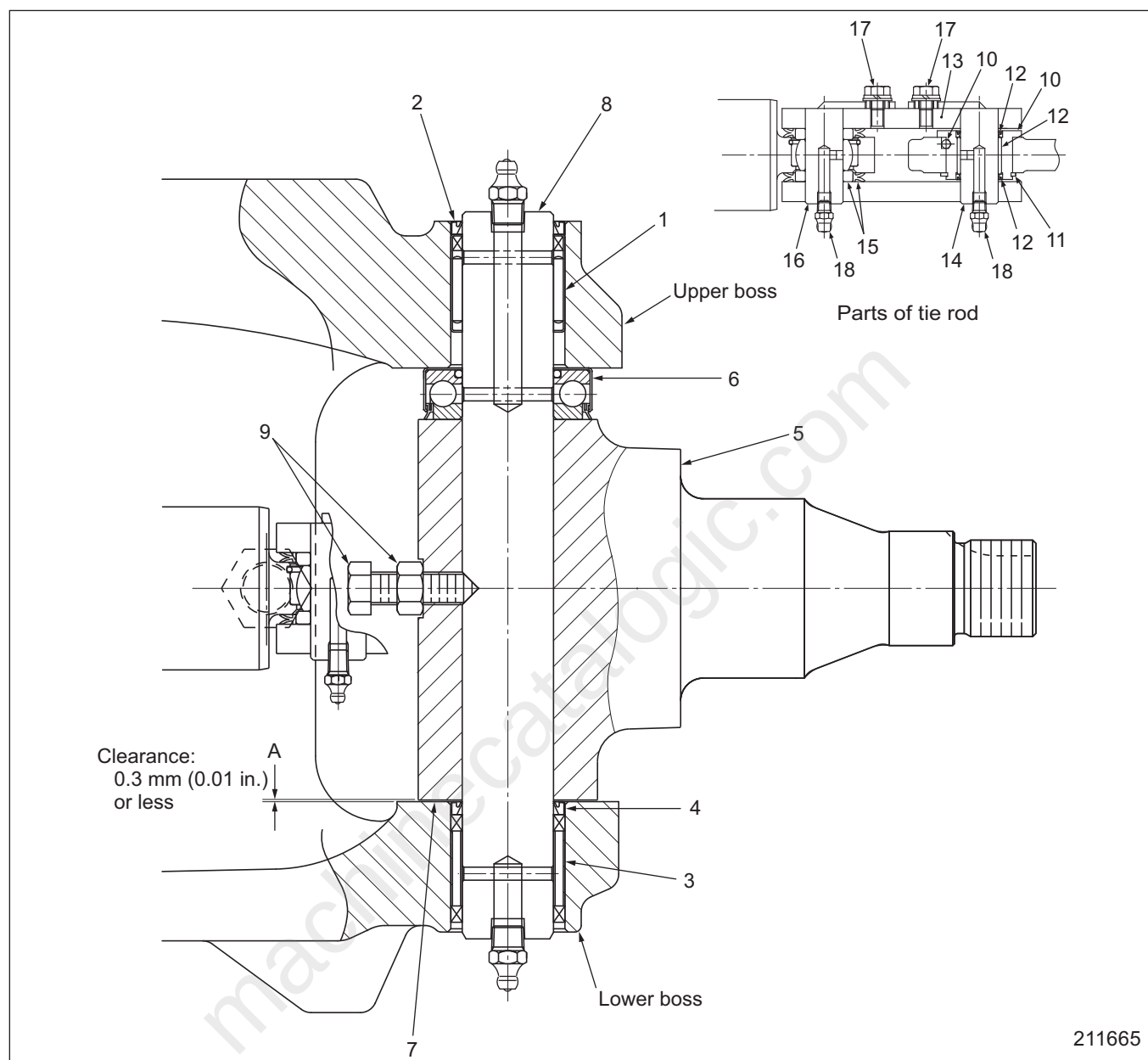
4. Precaution for installation of chain anchor kit

Be careful not to confuse the center plate with the link plate.



- 1 Link plate (stamped mark on surface)
- 2 Center plate (no stamped mark)
- 3 Link
- 4 Split pin

2. Assembling Knuckle and Kingpin



Sequence

- | | |
|--|---|
| 1 Needle bearing
Length: 30 mm (1.18 in.) | 9 Stopper bolt, Locknut |
| 2 Oil seal | 10 Spacer, Steel ball |
| 3 Needle bearing
Length: 33 mm (1.3 in.) | 11 Snap ring |
| 4 Oil seal | 12 Bushing, Oil seal, Dust seal |
| 5 Knuckle | 13 Tie rod |
| 6 Thrust bearing | 14 Pin (knuckle side) |
| 7 Shim | 15 Retainer, Dust seal (steering cylinder side) |
| 8 Kingpin | 16 Pin (cylinder side) |
| | 17 Spacer, Plain washer, Lock washer, Bolt |
| | 18 Grease nipple |

Full Version Available

Mitsubishi FB35K PAC Forklift Service Manual (99759-5A110)

Mitsubishi FB35K PAC forklift service manual PDF, wiring, hydraulics, drive and controller repair data for shop techs. Instant PDF download.

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