



Service Manual

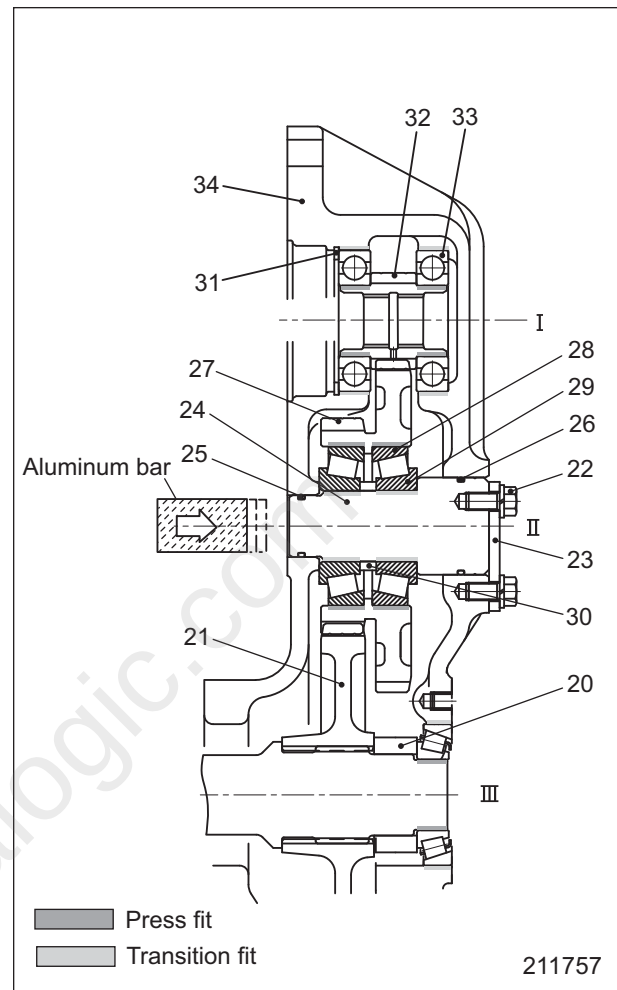
Chassis, Mast & Options

EP20K PAC	ETB8C-00011-up
EP25K PAC	ETB8C-50001-up
EP30K PAC	ETB9C-00011-up
EP35K PAC	ETB9C-50001-up

6. Remove the spacer 20, then remove the third gear 21. The third shaft 18 is fitted with the bearing inner race 19. The inner race 19 may be left fitted to the third shaft 18 if it is in a satisfactory condition for reuse. If it needs to be replaced, remove it using an appropriate puller.
7. Remove three bolts 22, then remove the lock plate 23. Apply an aluminum bar to the second shaft 24 from the traction fitted side and lightly strike it with a hammer to force the second shaft 24 out of place with O-rings 25 and 26 fitted to it.
8. Remove the second gear 27 with the bearing outer race 28 attached. The bearing outer race 28 may be left fitted to the second gear 27 if it is in a satisfactory condition for reuse. If it needs to be replaced, remove it using an appropriate puller.
9. Remove the snap ring 31. Remove the input gear 32 fitted with the ball bearings 33 from the transfer case 34 using a slide hammer puller. The ball bearing 33 may be left fitted to the input gear 32 if it is in a satisfactory condition for reuse.

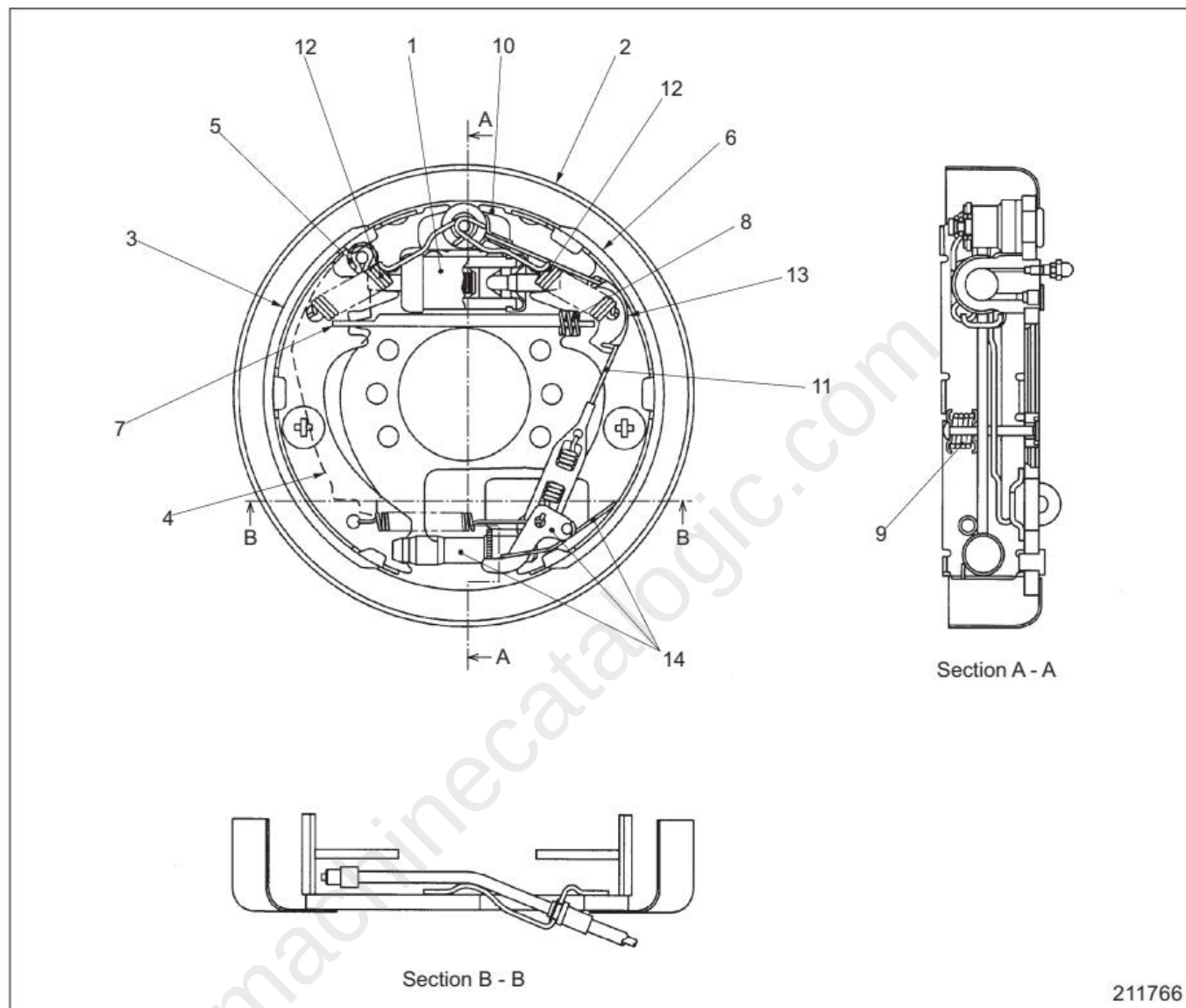
NOTE

The bearing outer race 28, bearing inner race 29 and spacer 30 are adjusted in their combination. Never change their combination.



Reassembly

2 ton class and 2.5 ton class



211766

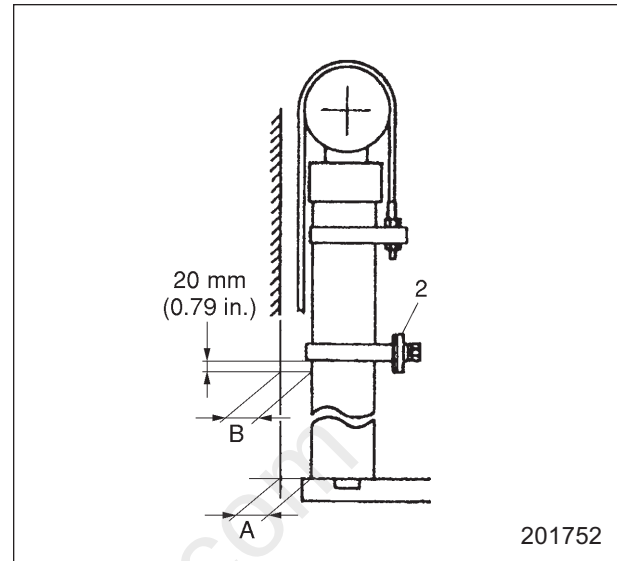
Sequence

- | | |
|-------------------------------|---|
| 1 Wheel cylinder | 9 Hold-down spring, Cup, Pin |
| 2 Backing plate | 10 Shoe guide plate |
| 3 Shoe and lining (primary) | 11 Fitting cable |
| 4 Parking brake lever | 12 Return spring |
| 5 Retainer, Washer | 13 Cable guide |
| 6 Shoe and lining (secondary) | 14 Adjusting lever, Adjusting screw, Adjusting spring |
| 7 Strut | |
| 8 Anti-rattle spring | |

3. Installing first lift cylinder

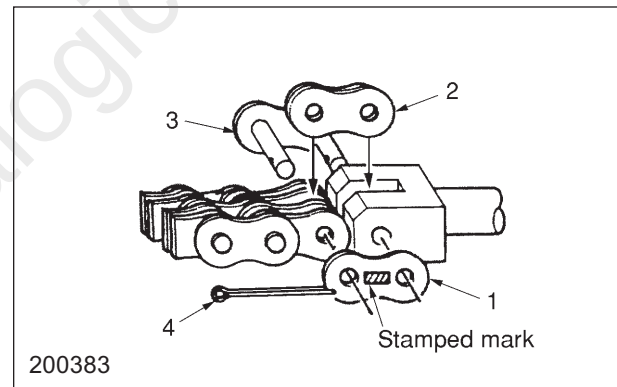
The first lift cylinder must be installed parallel to the mast when the lift cylinder rod is contracted.

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

Full Version Available

Caterpillar EP20K PAC Forklift Service Manual (99759-6A110)

Caterpillar EP20K PAC forklift service manual, covers hydraulics, mast, traction motor, wiring, and diagnostics. Searchable PDF download.

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