



# Service Manual

**MC/FC**

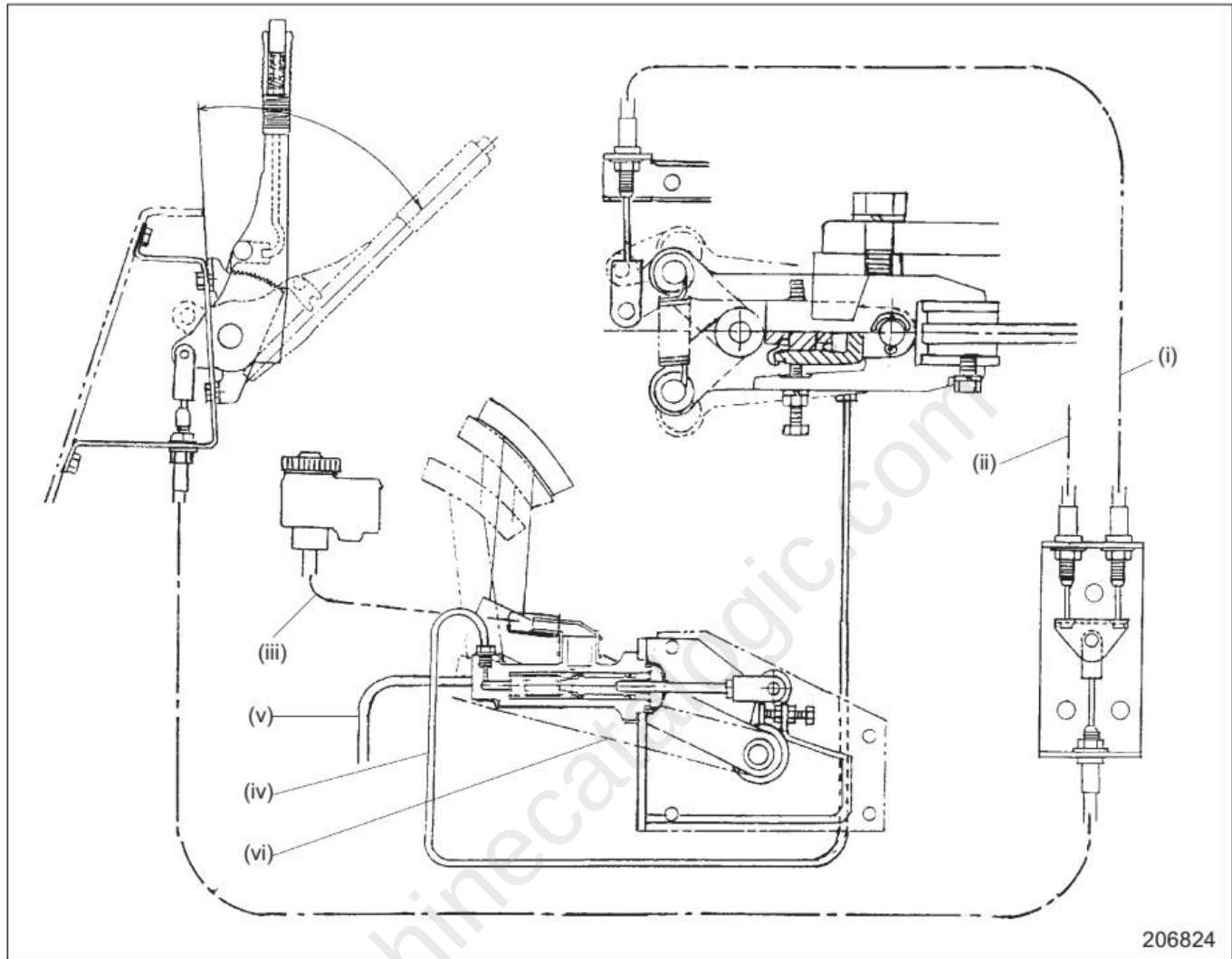
## Chassis, Mast & Options

**FB16N**                      EFB15-20011-up

**FB18N**                      EFB15-70001-up

**FB20CN**                    EFB17-20011-up

## 7. Removing brake components



- (1) Loosen the parking brake lever, and remove parking brake cable assemblies (i) (L.H.) and (ii) (R.H.).

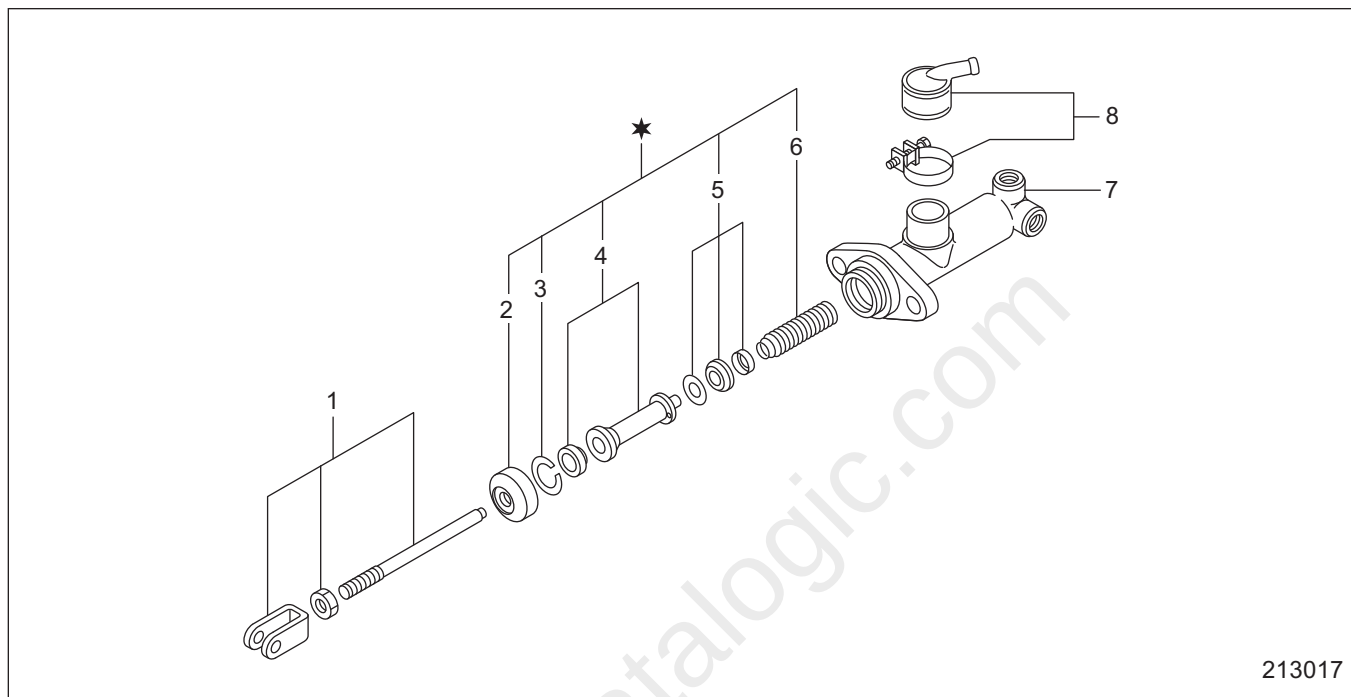
Disconnect the parking brake cables at the calipers, and keep the cables together on the frame near the center brake.

- (2) Position a drip pan, and disconnect brake fluid tube (iii) at the master cylinder.
- (3) Disconnect brake pipes (iv, v) (L.H., R.H.) at the master cylinder. Disconnect the branch brake hoses (L.H., R.H.) from the brake pipes.
- (4) Remove brake pedal assembly (vi).

## Procedures and Suggestions for Disassembly and Reassembly

### Master Cylinder

#### Disassembly



#### Sequence

- |                         |                                        |
|-------------------------|----------------------------------------|
| 1 Clevis, Nut, Push rod | 5 Spacer, Primary cup, Spring retainer |
| 2 Boot                  | 6 Spring                               |
| 3 Snap ring             | 7 Cylinder                             |
| 4 Secondary cup, Piston | 8 Filler, Clamp                        |

#### NOTE

Parts marked with (★) are included in the repair kit.

## Preparation

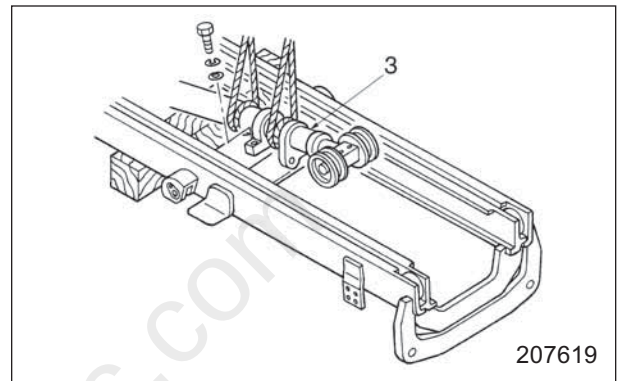
With the lift bracket side facing up, place the mast horizontally on wood blocks. Use a wood block as a wedge to prevent the inner mast from sliding.

## Suggestions for Disassembly

### 1. Removing first lift cylinder 3

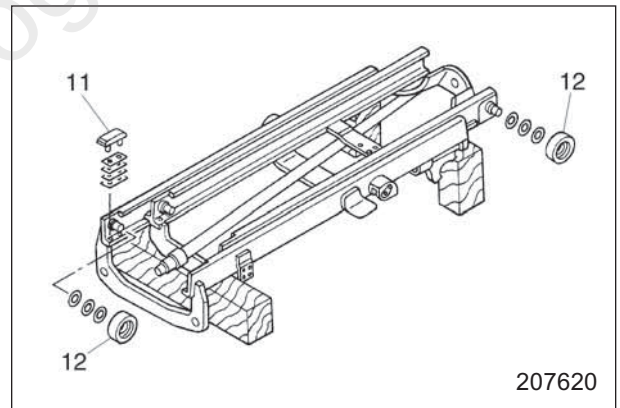
- (1) Remove retaining bolts from the first lift cylinder.
- (2) Hitch slings on first lift cylinder 3, and gently remove the cylinder.

Use two slings. Wind or tie slings securely to prevent from slipping.



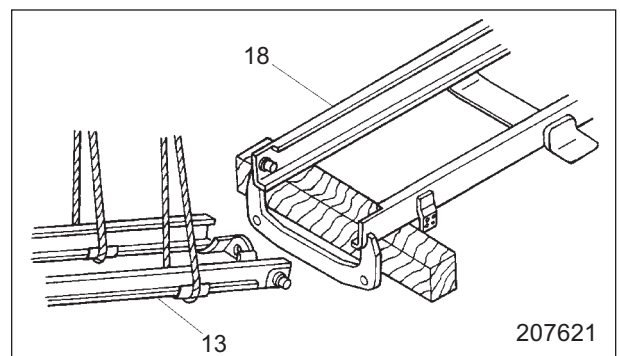
### 2. Removing main rollers 12 and mast strips 11

- (1) Remove clamp bolts from the second lift cylinders.
- (2) Remove bolts from the upper rod sections of the second lift cylinders, and place the cylinders on the outer mast.
- (3) Check the number of shims and the shim thickness at the rod end sections.
- (4) Lower the inner mast, then remove main rollers 12, mast strips and shims 11.



### 3. Removing inner mast 13

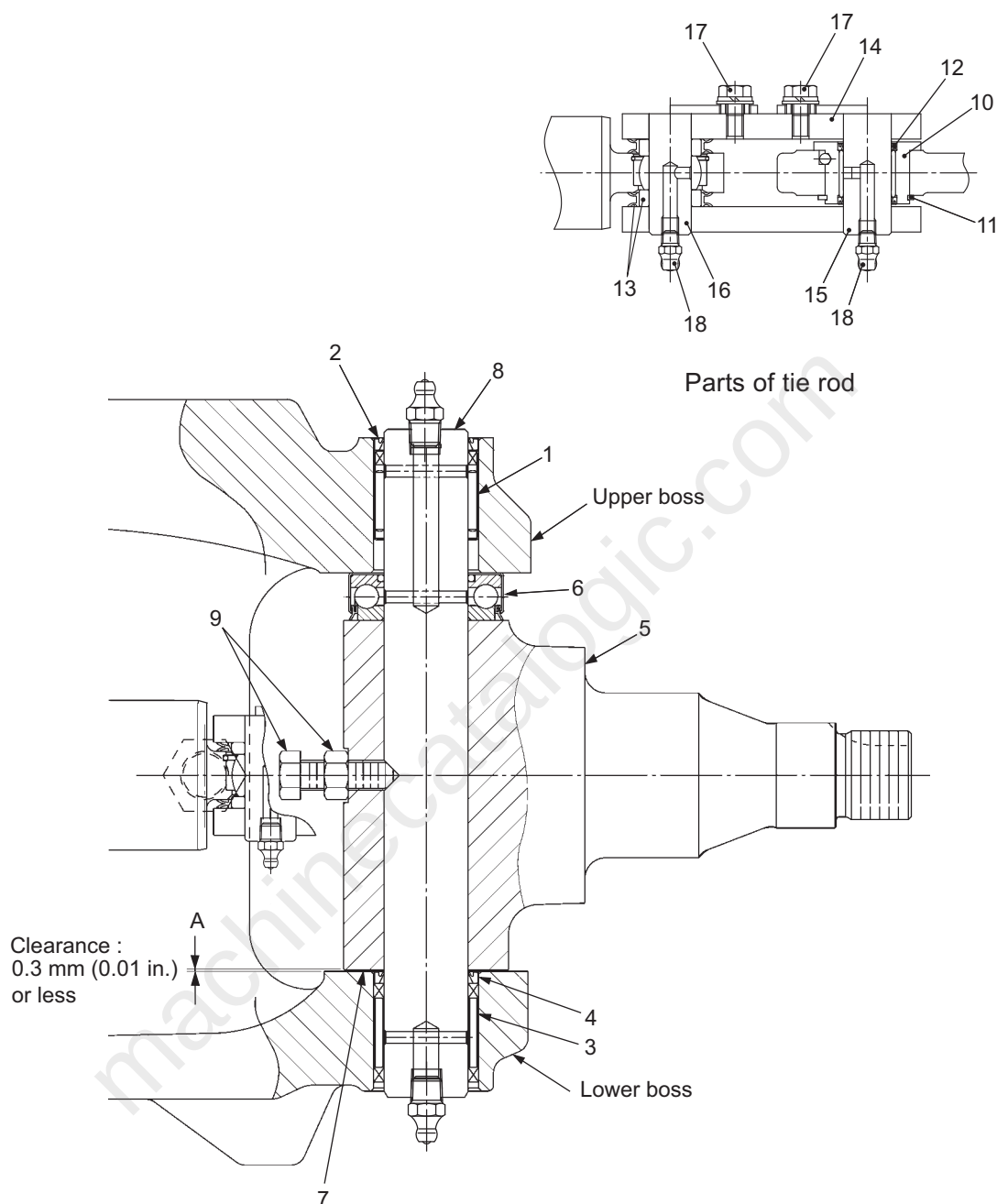
Using slings, lift and remove inner mast 13, steering it to pass over the roller shaft sections of outer mast 18.



## Inspection after Disassembly

Follow the inspection procedure described in the dual-stage panoramic mast (simplex mast).

## 2. Assembling Knuckle and Kingpin



211275

## Sequence

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

## Full Version Available

### Mitsubishi FB18N Forklift Service Manual (99759-57110)

Mitsubishi FB18N forklift service manual PDF, covers drive, hydraulics, mast, and wiring repair for shop technicians. Instant PDF download.

**[VIEW THE FULL MANUAL](https://machinecatalogic.com/mitsubishi-fb18n-forklift-service-manual-99759-57110/)**

<https://machinecatalogic.com/mitsubishi-fb18n-forklift-service-manual-99759-57110/>