

# Service Manual

## Chassis & Mast

**FB10/14/15/18(H)CA1(J)**

**FB20/25(H)CA1(J),FB28CA1(J)**

**FB30CA1(J)**

221E20001-up 256E00792-up

241C10001-up 257C01120-up

251AC2001-up

## 6- 3. Inspection and adjustment



Wheel brake is very important for safe operation.  
Always replace Wheel brake whenever it is damaged.

### 6-3-1. Wheel brake - inspection and adjustment

1. Check for Brake drum inner surface streaks, uneven wear, and cracks.

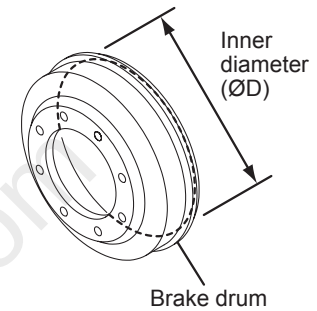


If there are streaks or partial wear, repair or replace Brake drum based on the allowable limits in the table below.

#### ● Inner diameter of Brake drum

| Applicable model | Specified dimension(ØD) | Repair limit (ØD) |
|------------------|-------------------------|-------------------|
| FB10CA1-18CA1    | 10-inch (254mm)         | 256mm             |
| FB20CA1-28CA1    | 11-inch (279.4mm)       | 281.4mm           |
| FB30CA1          | 310mm                   | 312mm             |

#### ● Inspecting Brake drum



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### 6-3-2. Shoe and lining - inspection and replacement

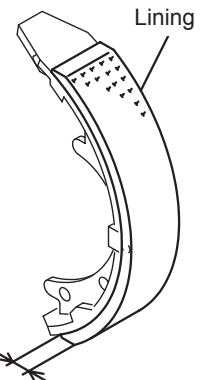
1. Measure the thickness of Lining
  - ▶ If Lining is worn to less than 1.5mm, replace it.



Measure Lining at the point with the most wear.

2. Check for stains, burnout and deterioration.
  - ▶ If you find any abnormalities, replace Lining.
3. Check for cracks and damage.
  - ▶ If you find any burrs, remove them.
  - ▶ If you find any abnormalities, replace lining.

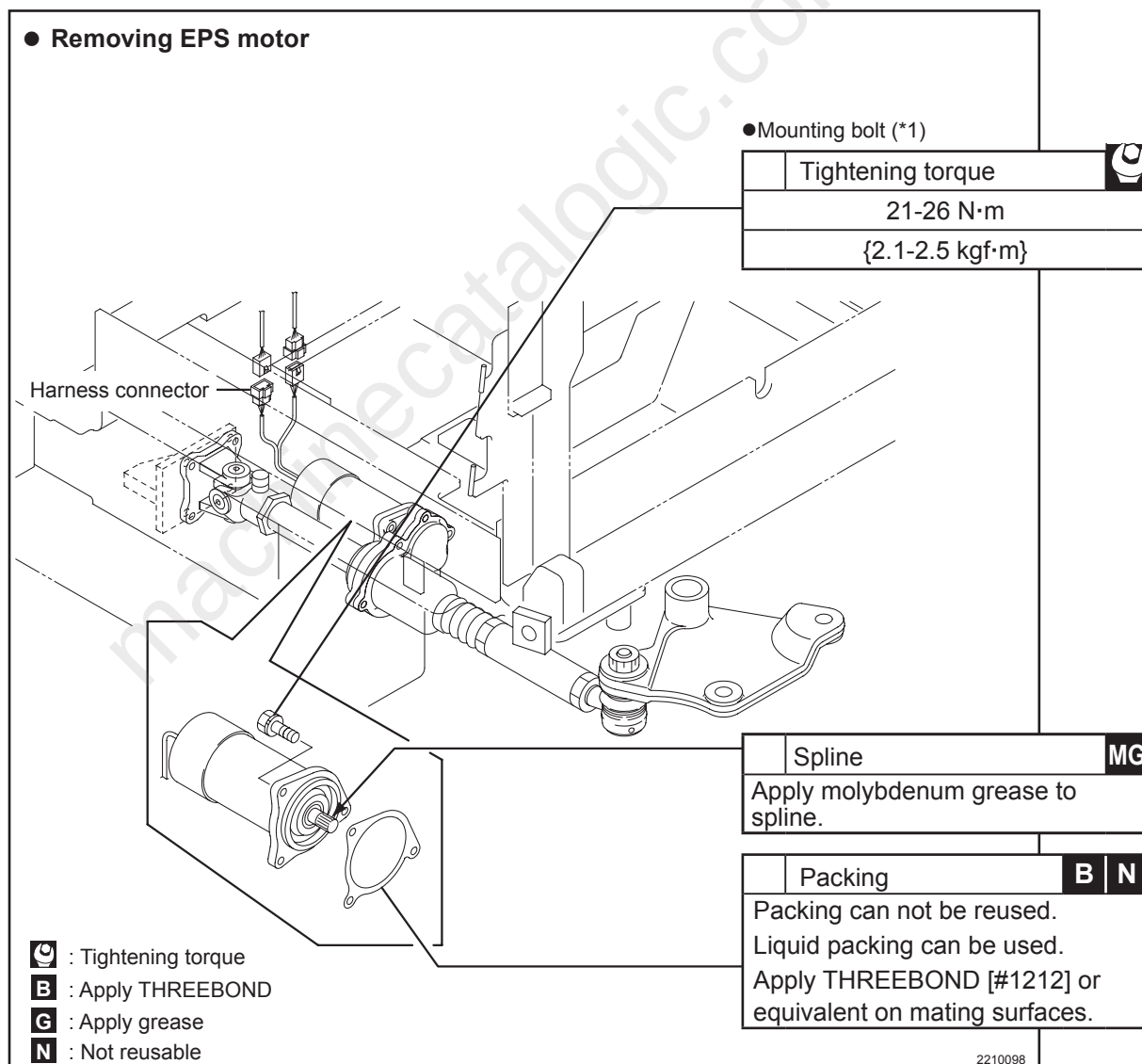
#### ● Inspecting Shoe and lining



212E052

### 9-2-3. EPS motor - removal and installation

1. Remove the connector of Accelerator and Floor plate.  
➡ See page 64, "5-2-1. Steering - removal and installation".
2. Remove the battery.  
➡ See page 181, "10f-1-1. Battery - removal and installation".
3. Disconnect harness connectors of EPS motor.
4. Remove the mounting bolts(\*1), and remove EPS motor.



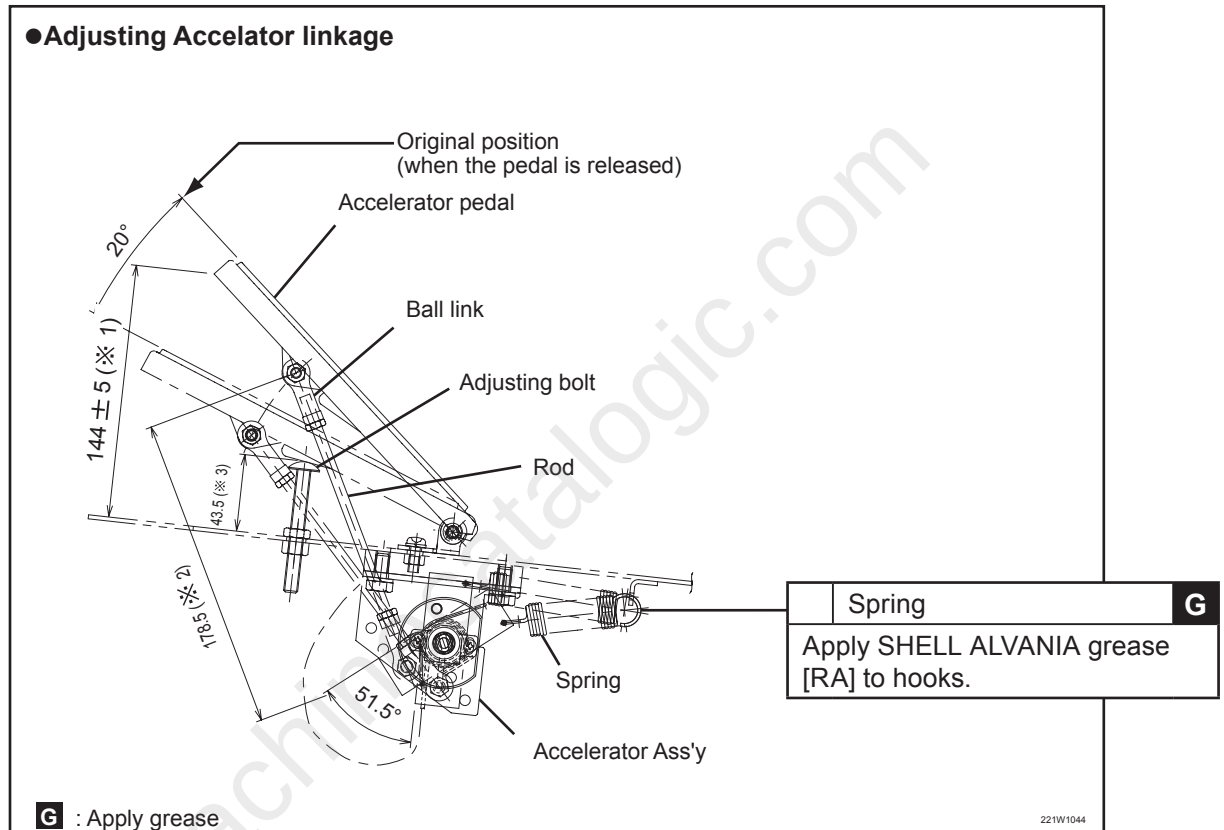
\*To install EPS motor, perform the steps to remove it in reverse order.

## 10d-2. Inspection and adjustment

### 10d-2-1. Accelerator linkage - adjustment

#### <Adjustment procedure>

1. Adjust the rod length ※ 2 so that dimension shown by ※ 1 is achieved when pedal is released.
2. Adjust the allowance ※ 3 so that the dimension shown in the figure is achieved.



- ➡ For details about Accelerator potentiometer adjustment, see "FB-CA1 Service Manual-Controller" "5-2-22. Adjusting Accelerator potentiometer".

## 7b-2. Disassembly and reassembly

### 7b-2-1. Cautions when disassembling and reassembling Oil tank

● Pay attention to the following points when disassembling and assembling Oil tank:

#### CAUTION

- Apply wheel chocks to tires to prevent the truck from moving.
- When draining the hydraulic oil, remove Plug while the fork is lowered to the ground.
- Cap disconnected hydraulic piping to prevent dust and debris from getting into hydraulic components and pipes.
- When installing filter and plug, wrap and tighten the seal tape firmly on the screw threads.
- Always disconnect Battery plug.

### 7b-2-2. Cautions when replacing the oil piping

To replace hydraulic system or hose, refer to oil-hydraulic circuit design on page 87, and check the pipe connection.

#### NOTE

Wrap and tighten the seal tape on the piping screw.

#### CAUTION

- Only use hoses that meet pressure resistance requirements.

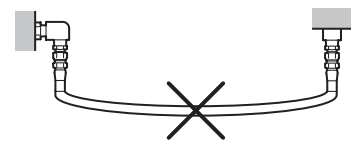
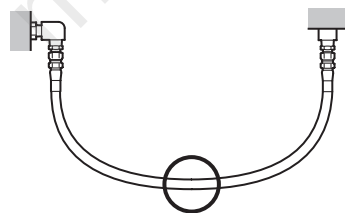
Pressure can cause unnecessary stress to hoses.



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- Make sure that hoses are long enough.

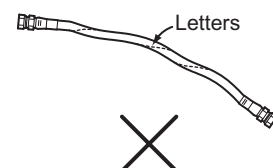
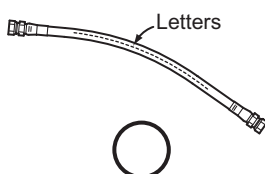
Excessive bending and twisting can damage hoses.



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- Do not twist hoses when attaching them. Moreover, once a hose is attached, make sure that it does not get twisted during operation.

You can check for twisting by inspecting the string of letters marked on a hose.



152E127

## Full Version Available

### Mitsubishi FB20CA1(J) Forklift Service Manual (99759-5R110)

Mitsubishi FB20CA1(J) forklift service manual, covers hydraulics, mast, drive unit, wiring, and diagnostics in searchable PDF. Instant PDF download.

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