



Service Manual

FC/MC, Chassis, Mast

FB30K

EFB9B-00011-up

FB35K

EFB9B-50001-up

Problem: Pump Motor, Current Sensor Fault**Symptom:**

- (1) Display = "34".

Inhibit vehicle operation. Line contactor OFF.

Possible Cause:

- (2) Wire break in pump T1P IGBT, faulty wire connection, drive card defect, pump CS current sensor failure, logic card defect.

Checks:

- (3) Disconnect battery plug.

Check CS for abnormality.

- Unacceptable

Replace faulty component.

- Acceptable

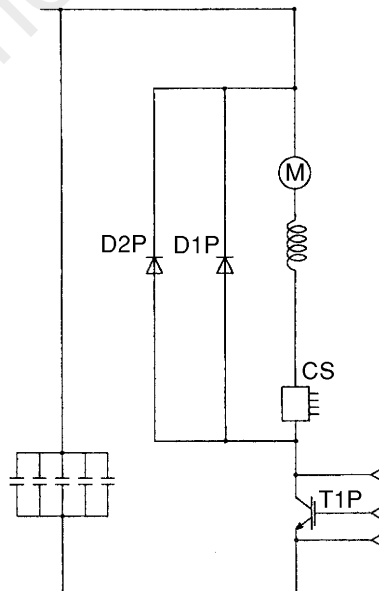
- (4) Check IGBT and drive card for abnormality.

- Unacceptable

Replace faulty components.

- Acceptable

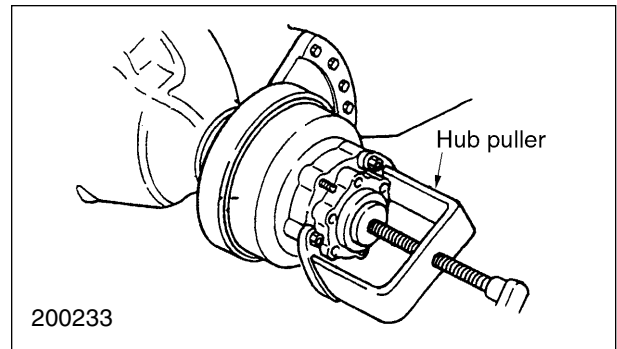
Replace logic card.



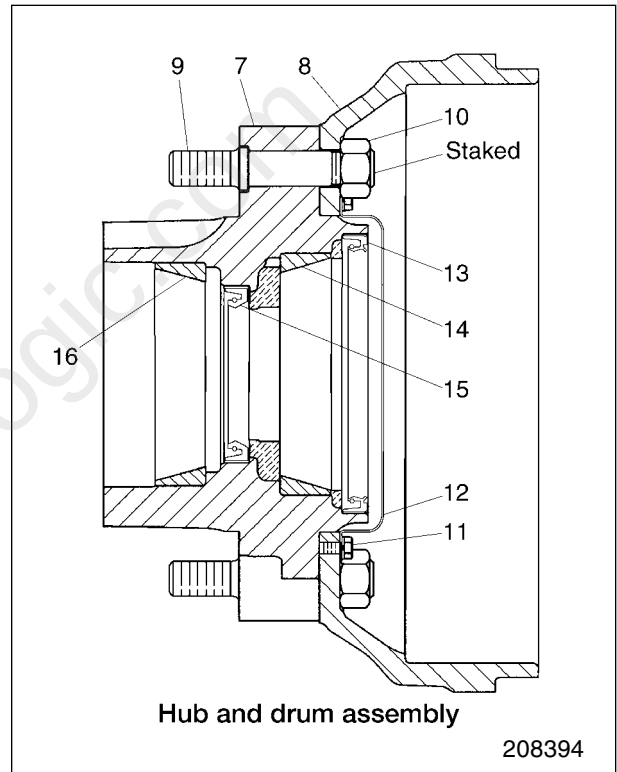
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(4) Remove the hub and drum assembly.

The hub and drum assembly will be removed by pulling horizontally. If it cannot be pulled out, use the hub puller as shown in the illustration at right.

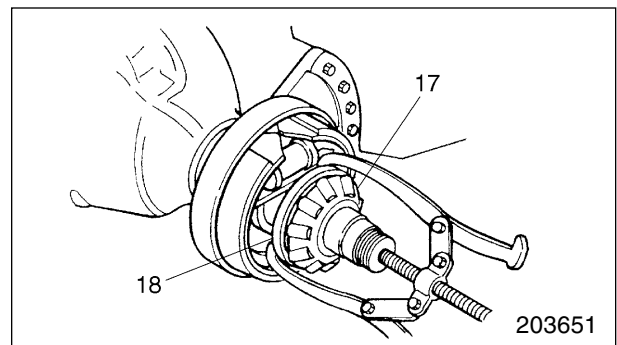


- Remove the oil deflector 12 if necessary.
- Do not remove the following parts from the inside of the wheel hub 7 unless they are faulty. When removing them, use a puller.
 - Taper roller bearing outer race 14 and 16
 - Oil seal 13 and 15
- Normally, it is not necessary to separate the wheel hub 7 and the brake drum 8. To separate them, the nut 10 must be removed. (The nut 10 has been staked to the bolt 9 after assembly to prevent dropping off.)

**3. Removal of seal retainer and bearing inner race**

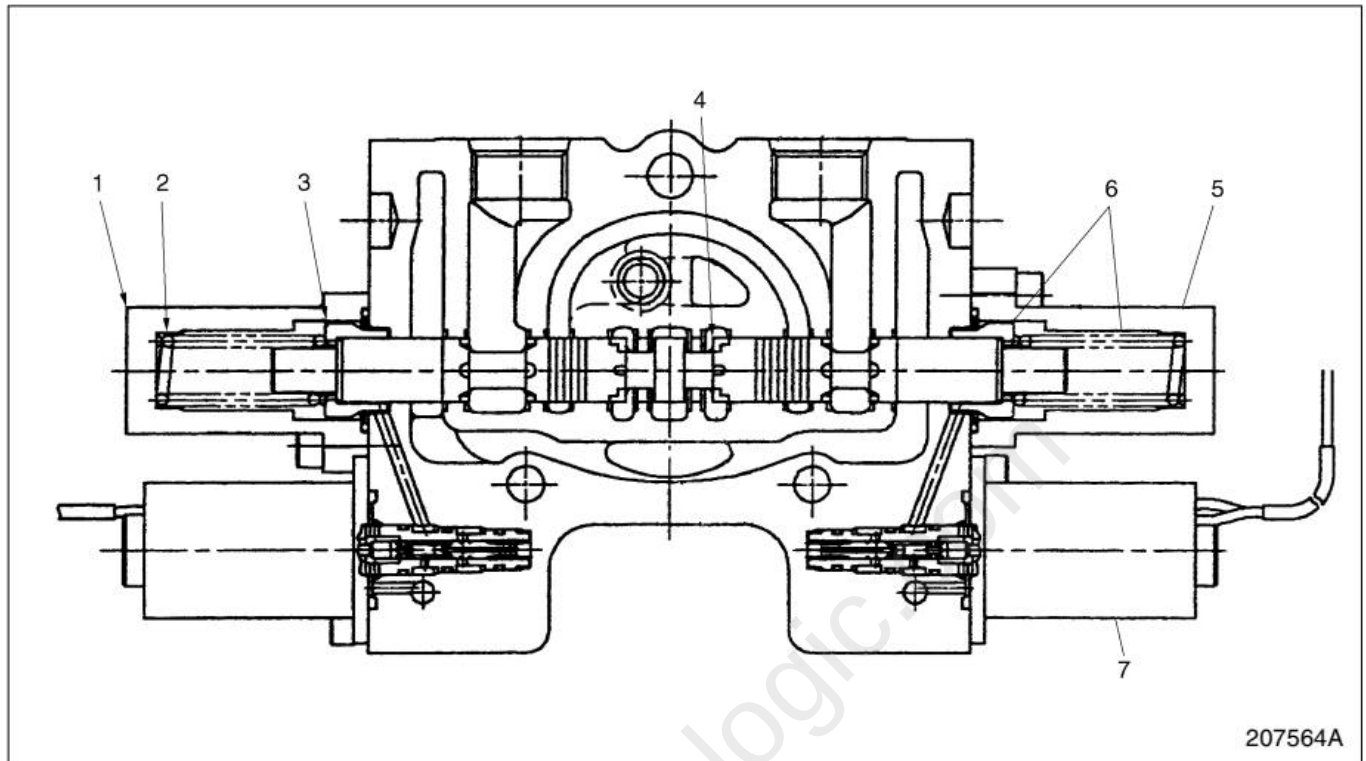
Do not remove the retainer 18 and the bearing inner race 17 left on the axle housing unless they are faulty.

If they are to be replaced, remove them together using a puller.

**4. Removal of front axle support and/or front axle housing**

These parts cannot be removed without dismounting the power train assembly from the vehicle body. Refer to "GROUP 5 POWER TRAIN" for the procedure.

Disassembly of Attachment Section Assembly



- 1 Cap, Socket-head bolt
- 2 Spring
- 3 Spring seat
- 4 Spool

- 5 Cap, Socket-head bolt
- 6 Spring, Spring seat
- 7 Proportional electromagnetic pressure control valve

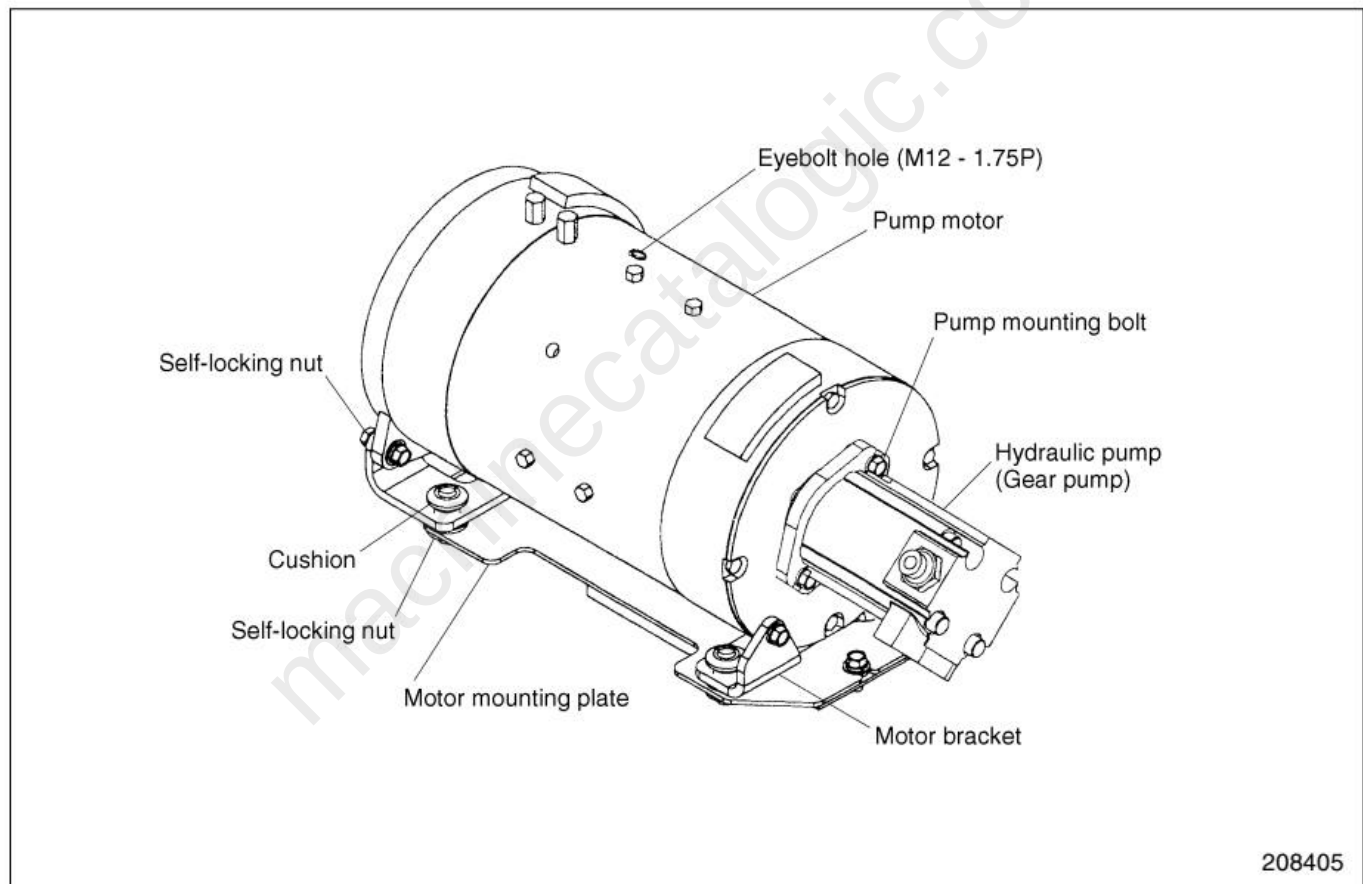
Key Points for Disassembly

The disassembly procedures are identical to those for the tilt section.

Pump Motor

Removal

- (1) Draw out the pump motor from the vehicle with the motor mounting plate attached. (Refer to "Inspection of Brush for Wear and Brush Replacement" on page 6-5.)
- (2) When the motor is drawn out a little, install eyebolts (M12 - 1.75P) to the motor. Using the eyebolts, sling the motor and lower it to the ground. The motor weighs approximately 40 kg (88.2 lbs.).
- (3) Separate the pump motor, hydraulic pump, motor mounting plate, motor bracket, etc. from each other as shown.



Installation

Follow the removal sequence in reverse.

Full Version Available

Mitsubishi FB30K Forklift Service Manual (99759-54100)

Mitsubishi FB30K forklift service manual, shop repair, wiring, hydraulics, and drive diagnostics in searchable PDF format. Instant PDF download.

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