



Service Manual

Chassis & Mast

LC/FC

FD100NZ	F15DE-60001-up
FD120NZ	F15DE-60001-up
FD135NZ	F15DE-60001-up
FD150ANZ	F24BE-60001-up

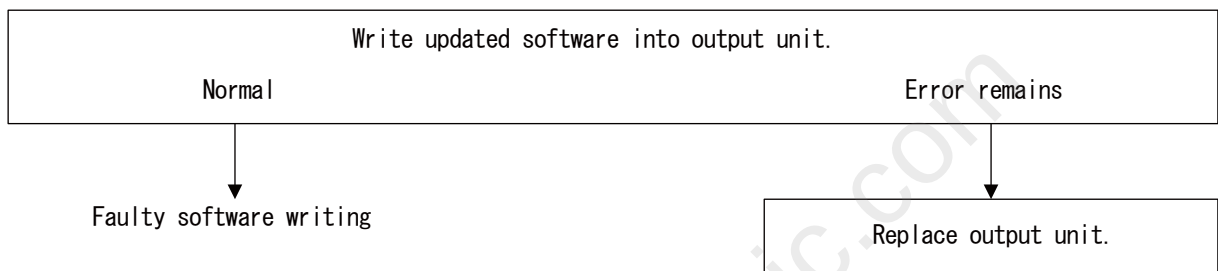
For use with 6D16-TL Engine
Service Manual.

99799-21000

4.23 Output Unit Memory Check Error (F43)

Error code: F43	
Situation	"F43" flickering. Hydraulic operations disabled.
Possible causes	Faulty output unit
How the error code is triggered.	Software checks sum value of ROM and EEPROM (memory setting value) in CPU, and detects fault.

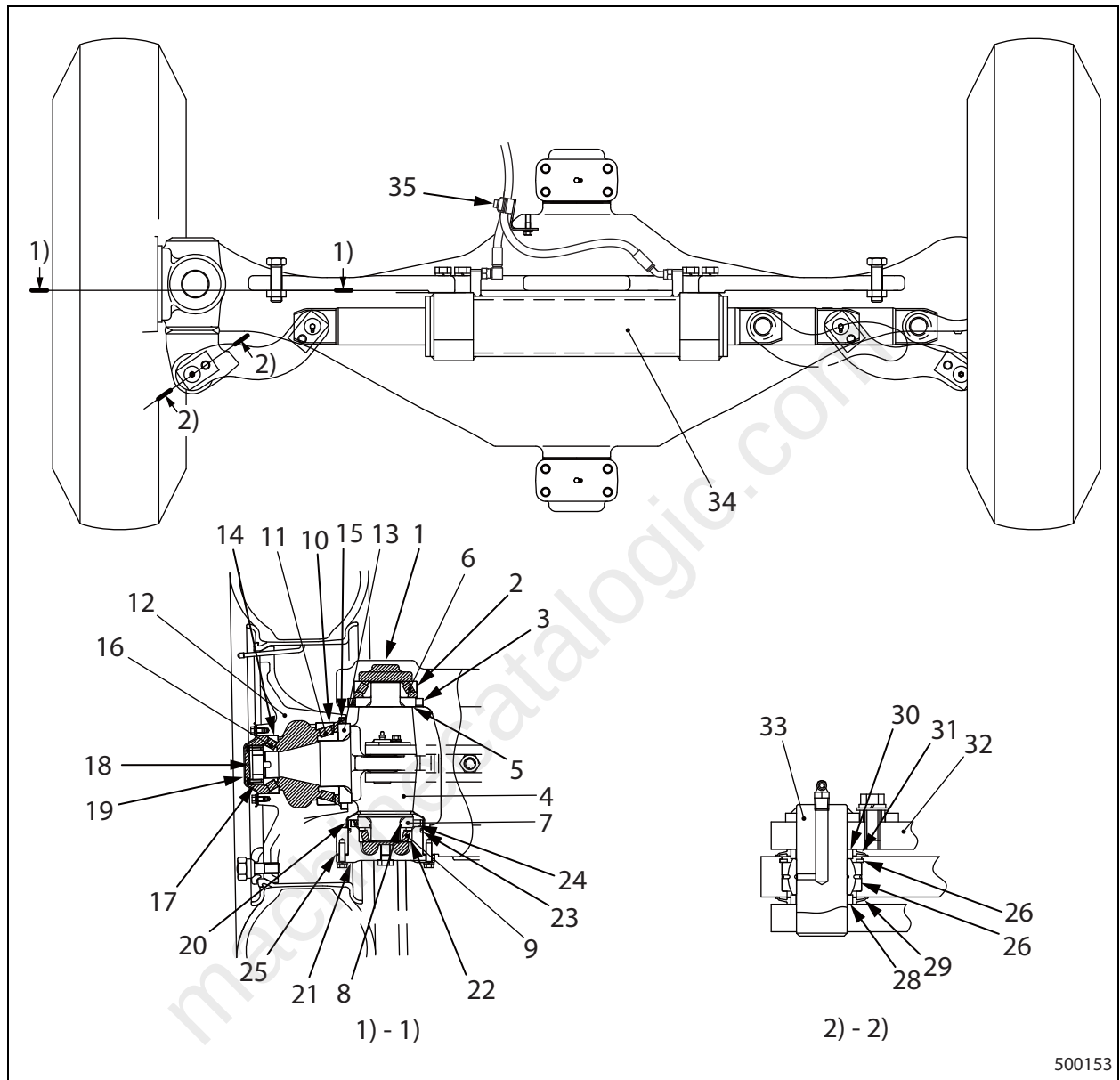
Checks



500503E

8. Reassembling Rear Axle

8.1 Reassembly Sequence



500153

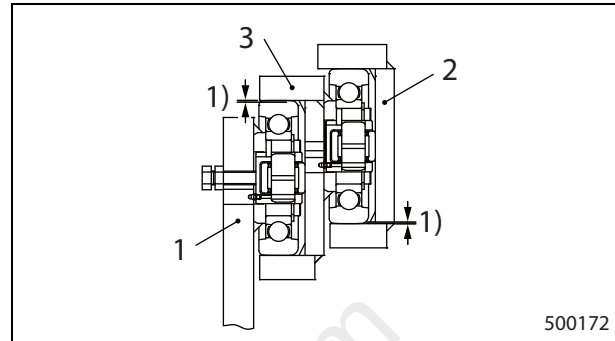
6. Reassembling Mast Assembly

To reassemble, follow the disassembly sequence in reverse, while observing the instructions below.

6.1 Suggestions for Reassembly

Front and rear clearance between mast and lift bracket

- (1) Select the main rollers to make the standard clearance between the main roller and the rolling surface through the whole lifting stroke.



500172

1. Inner mast
2. Lift bracket

3. Outer mast

Ref.	Item	Standard value
1)	Front and rear clearance between mast and lift bracket	0.5 to 2.8 mm (0.020 to 0.110 in.)

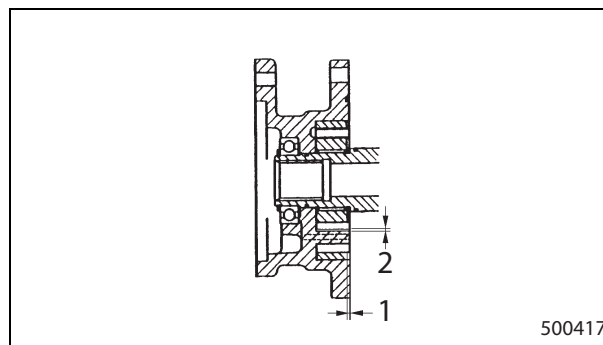
- (2) If the value exceeds the standard, replace the main rollers with a new ones.

Item		Standard value
Main roller size	S	203 mm (7.99 in.)
	M	205 mm (8.07 in.)
	L	207 mm (8.15 in.)

9. Inspecting and Correcting Transmission

Oil pump

- (1) Install the internal gear and pump gear to the pump case, and measure the top clearance.
- (2) Measure the side clearance between the gear and pump case with a dial gauge.



500417

Ref.	Item	Standard value	Service limit value
1	Side clearance	0.040 to 0.078 mm (0.0016 to 0.0031 in.)	0.09 mm (0.0035 in.)
2	Top clearance	0.3 to 0.345 mm (0.0118 to 0.0136 in.)	0.35 mm (0.0138 in.)

Stator shaft

Check the stator shaft and make sure that the stator shaft is free of following defects.

- Thread damage of spline
- Clutch passages clogged.

Friction plates and mating plates

Check the friction plates and mating plates and make sure that they are free of following defects.

- Seizure, local contact, distortion and wear.
- Wear and damage of splines

Clutch drums of forward, reverse, and 1st/3rd speed clutches

Check the shafts and clutch drums and make sure that they are free of following defects.

- Wear and damage of mating plate sliding surfaces.
- Wear and damage of clutch piston sliding surfaces.

Full Version Available

Mitsubishi FD120NZ Forklift Service Manual (99799-21000)

Mitsubishi FD120NZ forklift service manual, diesel engine, hydraulics, drive train, and wiring repair procedures in searchable PDF. Instant PDF download.

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