



Service Manual

Chassis & Mast

EP10/14/15/18(H)CA1(J)

EP20/25(H)CA1(J),EP28CA1(J)

EP30CA1(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.

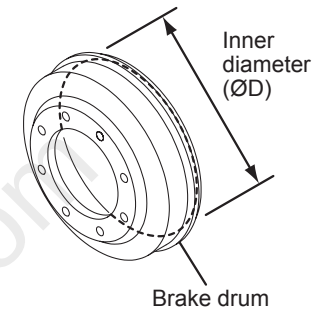


If there are streaks or partial wear, repair or replace Brake drum based on the allowable limits in the table below.

● Inner diameter of Brake drum

Applicable model	Specified dimension(ØD)	Repair limit (ØD)
EP10CA1-18CA1	10-inch (254mm)	256mm
EP20CA1-28CA1	11-inch (279.4mm)	281.4mm
EP30CA1	310mm	312mm

● Inspecting Brake drum



2210036

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

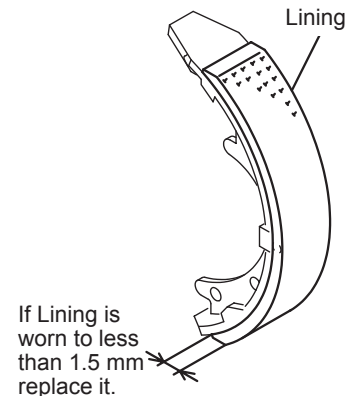
1. Measure the thickness of Lining
 - ▶ If Lining is worn to less than 1.5mm, replace it.



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



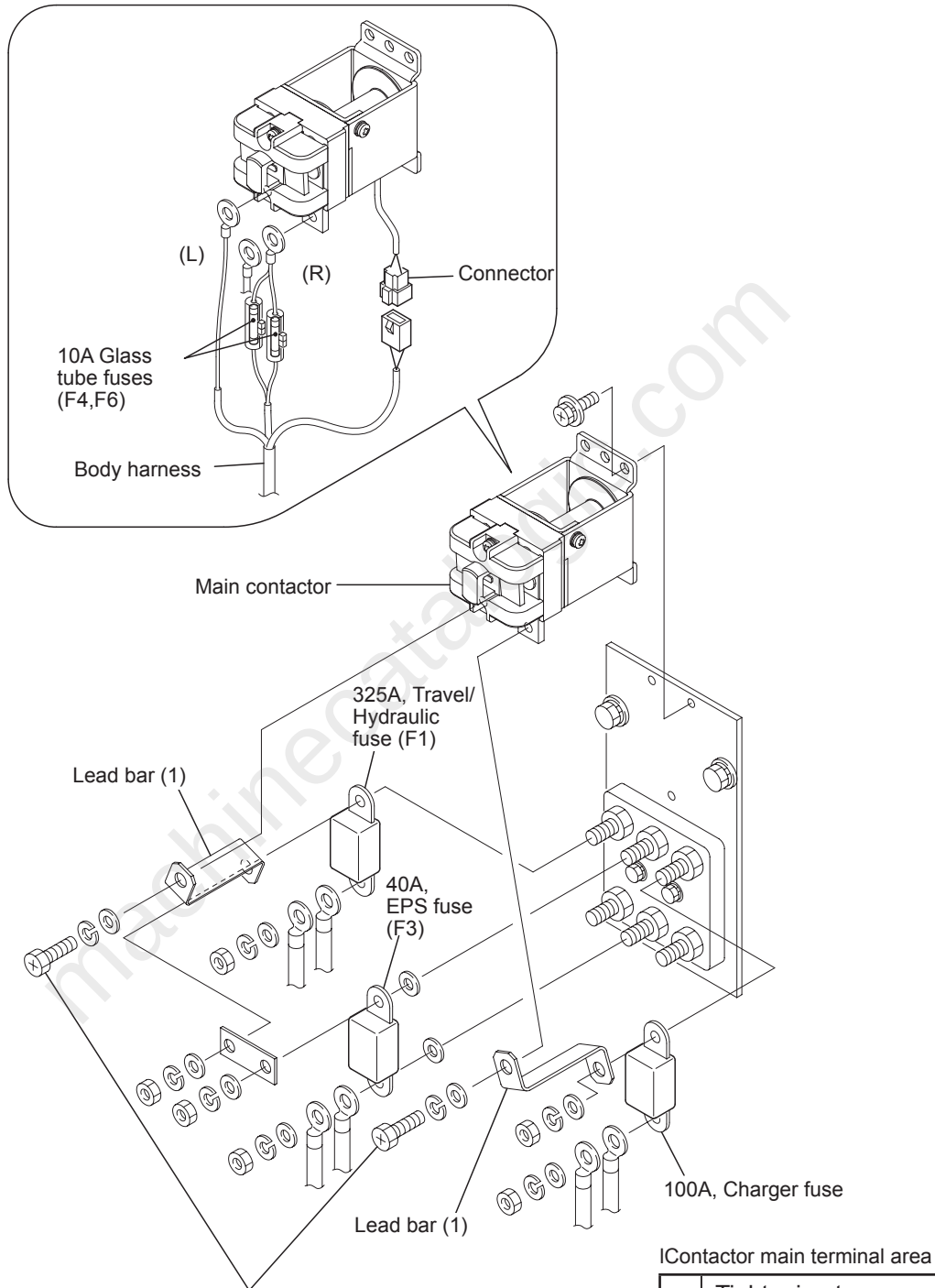
212E052

[illegible]

2. Remove Main contactor and Fuses.

1. Disconnect wiring connectors of Main contactor and lead wires.
2. Refer to the diagram below and remove Main contactor and all fuses.

●Removing Main contactor and Fuse



 : Tightening torque

Contactor main terminal area	
Tightening torque	
6.4 - 7.4 N · m	
{0.65 - 0.75 kgf · m}	
Use a bolt included attached on Main contactor.	

221W1026

* Install Main contactor and fuse in reverse order of removal.

Full Version Available

Caterpillar EP14CA1(J) Forklift Service Manual (99759-6R110)

Caterpillar EP14CA1(J) forklift service manual, covers hydraulics, mast, wiring, drive systems, and repairs. Searchable PDF download.

VIEW THE FULL MANUAL

<https://machinecatalogic.com/caterpillar-ep14ca1j-forklift-service-manual-99759-6r110/>