

# FRONT ATTACHMENT / Front Attachment

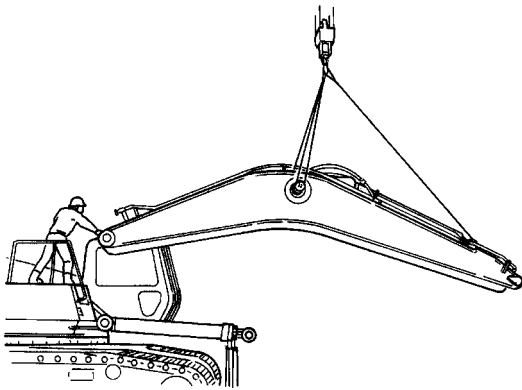
## Installation

**CAUTION:** Front attachment weight:  
11510 kg (25370 lb)

1. Align the boom foot boss with the main frame boss.

Insert shim to right side of the boom foot boss to take out clearance between the boom foot boss and the main frame boss. Remaining clearance should be less than 1 mm (0.04 in).


**NOTE:** Be sure to align the matching marks put during disassembly.




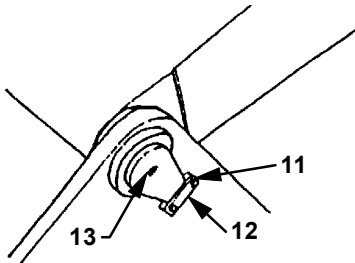
M116-07-036

**CAUTION:** Prevent personal injury. Metal fragments may fly off when a hammer is used to insert pins. Be sure to wear necessary protection, such as goggles, hard hat, etc..

2. Insert boom foot pin (13) which has been applied with grease. Install thrust plate (12) with bolts (11) (2 used) and spring washers (2 used).


 : 30 mm


 : 390 N·m (40 kgf·m, 290 lbf·ft)





W105-04-01-007

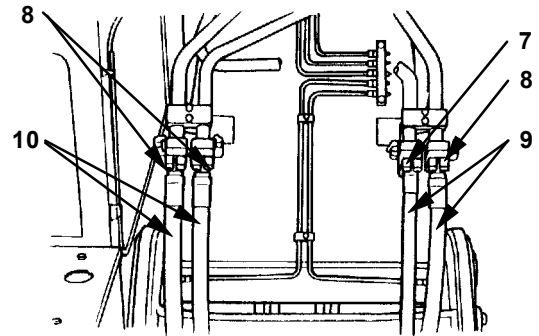
3. Connect hoses (9 and 10) with socket bolts (7) (14 used) and (8) (12 used).

 : 12 mm

 : 140 N·m (14 kgf·m, 101 lbf·ft)

 : 14 mm

 : 210 N·m (2.1 kgf·m, 15.0 lbf·ft)

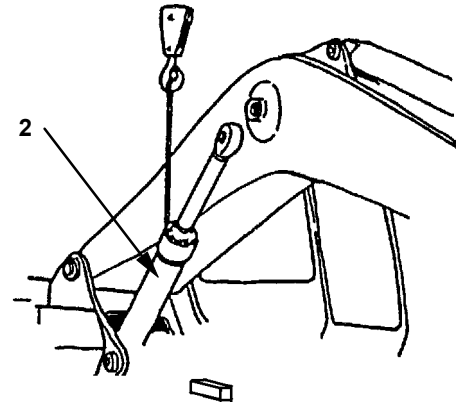


W166-04-01-102

**CAUTION:** Boom cylinder weight:  
700 kg (1540 lb)

**IMPORTANT:** Fill the hydraulic oil tank with hydraulic oil to the specified level. Run the engine at idle speed. Check hose connections for any oil leaks.

4. Attach the wire rope to boom cylinder (2). Lift the boom cylinder by crane and align the boom cylinder rod with the pin hole in the boom.



W157-04-01-006