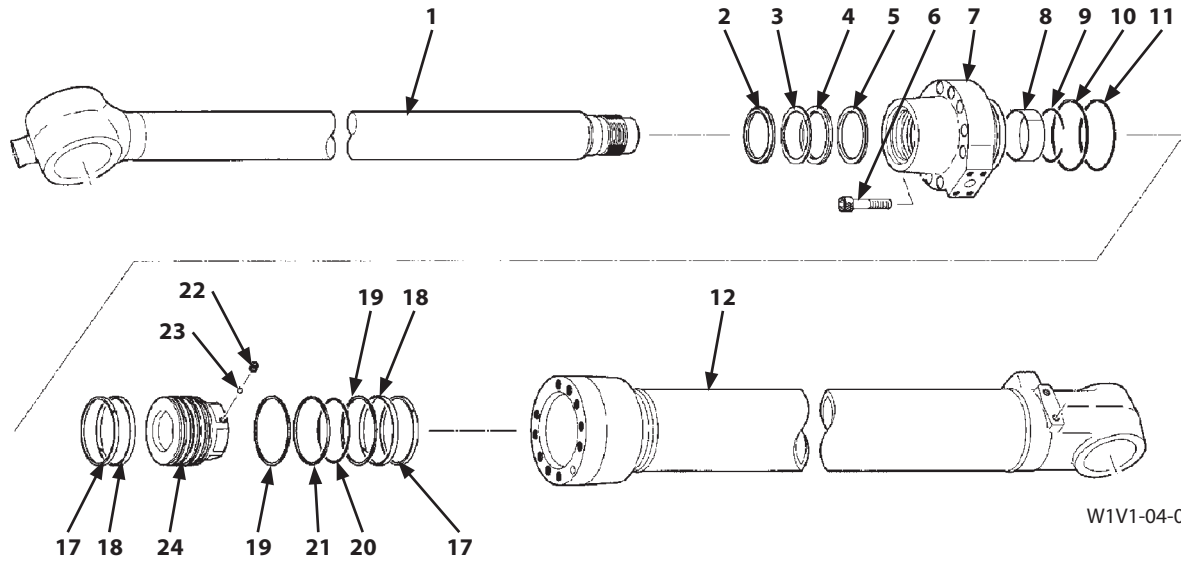


SECTION 5 FRONT ATTACHMENT

Group 2 Cylinder

Bucket Cylinder



W1V1-04-02-009

- | | | | |
|--|----------------------|--------------------------|---------------------|
| 1- Cylinder Rod | 7- Cylinder Head | 15- Cushion Seal | 23- Steel Ball |
| 2- Wiper Ring | 8- Bushing | 16- Snap Ring | 24- Piston Nut |
| 3- Backup Ring | 9- Snap Ring | 17- Slide Ring (2 Used) | 25- Cushion Bearing |
| 4- U-Ring | 10- Backup Ring | 18- Slide Ring (2 Used) | 26- Cushion Seal |
| 5- Buffer Ring | 11- O-Ring | 19- Backup Ring (2 Used) | |
| 6- Socket Bolt (Boom Cylinder,
Arm Cylinder: 12 Used) (Bucket
Cylinder: 10 Used) | 12- Cylinder Tube | 20- O-Ring | |
| | 13- Stopper (2 Used) | 21- Seal Ring | |
| | 14- Cushion Bearing | 22- Set Screw | |

SECTION 5 FRONT ATTACHMENT

Group 2 Cylinder

Disassembly of Boom, Arm, Bucket Cylinders

- The procedure starts on the premise that the pipes and the bands securing the pipes have been removed.

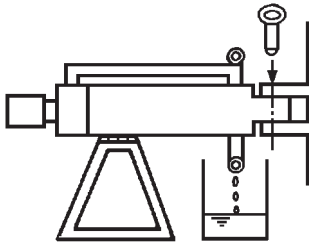
 **NOTE:** The arm cylinder is explained here.

 **CAUTION:** Boom cylinder weight: 210 kg (465 lb)

Arm cylinder weight: 295 kg (655 lb)


Bucket cylinder weight: 195 kg (430 lb)

1. Hoist the cylinder. Secure the cylinder horizontally on a workbench. Drain hydraulic oil from the cylinder.



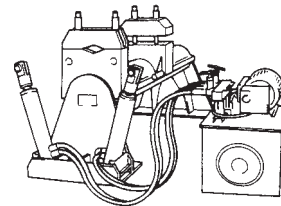
W102-04-02-027

2. Fully extend and support cylinder rod (1). Remove socket bolts (6) (12 used) (bucket cylinder: 10 used) from cylinder head (7).

 : 14 mm

IMPORTANT: Pull out cylinder rod (1) straightly in order not to damage the sliding surface.

3. Tap and remove cylinder head (7) with cylinder rod (1) together from cylinder tube (12) by using a plastic hammer.
4. Secure cylinder rod (1) on special tool (ST 5908). Put the matching marks on cylinder rod (1) and the end of piston nut (24) (arm cylinder: cushion bearing (14)).



Special Tool: ST 5908

W158-04-02-022