

PARTS & SERVICE NEWS

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SUBJECT: IMPROVED HYDRAULIC CYLINDER WITH INCREASED DUST RESISTANCE FOR USE ON WA1200-3

PURPOSE: To inform Field Personnel

APPLICATION: WA1200-3 Wheel Loader S/N 50001 thru 50028

FAILURE CODE: H1H7FG

DESCRIPTION:

1. Introduction

Fine dusts may invade from the cylinder head dust seal part of the hydraulic cylinder to damage the inside. Modify the hydraulic cylinder so that its durability is enhanced following the procedure introduced in this service news.

2. List of parts

Part No.	Part Name	Q'ty	Remarks
707-01-03545 (707-01-03543)	Ass'y	2	
707-27-36030 (707-27-36020)	Head cyl	1	
707-56-24010	Seal dust	1	
707-88-36370	Cover	2	
707-88-36360	Spacer	2	
707-56-24540 (581-63-92570)	Seal dust	1	
707-88-03420	Seat	1	
01024-81020	Bolt	1	
01024-81045	Bolt	8	
707-36-36031 (707-36-36030)	Piston	1	
707-44-36010 (707-44-36180)	Ring Piston	1	
07000-B5205 (07000-15205)	O-ring	1	

Installation procedure for the double dust seals

Modal: WA1200-3 BOOM CYL
CYL. Part No.: 707-01-03543

1. Reworking the cylinder head

Add tap holes to the disassembled cylinder head (707-27-36020) as shown below.

- <1> 10 x 1.5 in front: 8 pieces (Take care of the angle in the circumferential direction.)
- <2> 10 x 1.5 in side: 1 piece (Take care of the angle in the circumferential direction)

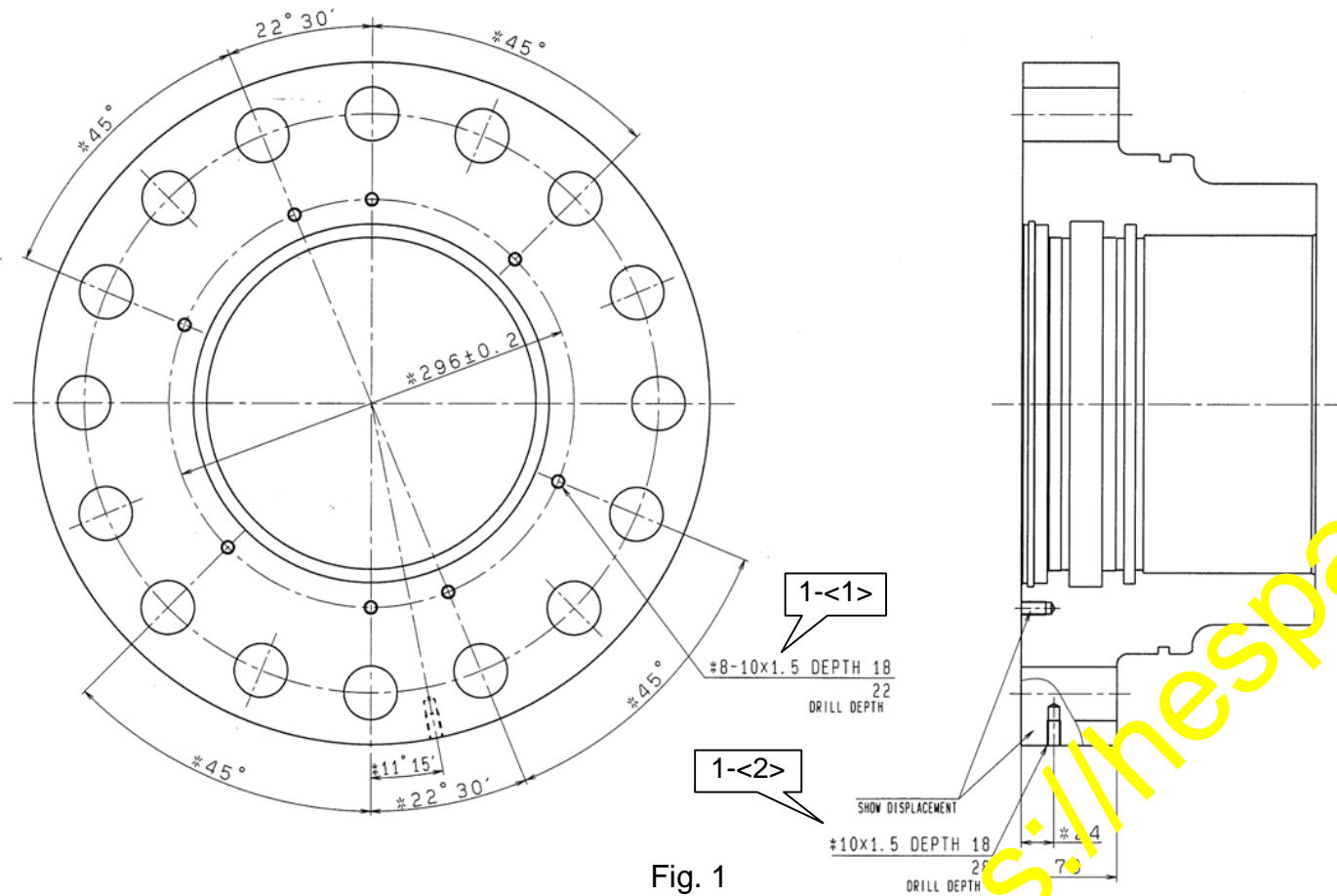


Fig. 1

2. Removing the painting on the rod

Remove the painting of the rod (707-58-24012) from the edge 16 mm to expose the plating part.

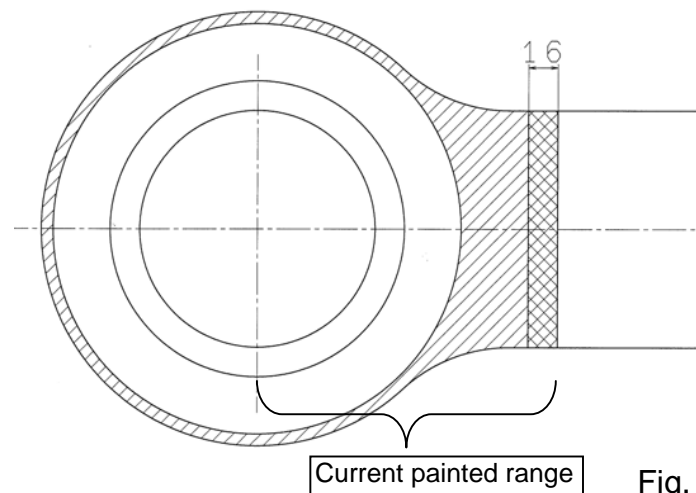


Fig. 2

3. Reassembling the cylinder head

- <1> Reassemble the cylinder head with tap holes reworked as the way it was.
(Note 1) Confirm that the tap hole (10 x 1.5) for attaching the plate (707-88-03420) is in the G.L. side.
(Note 2) Dispose of the snap ring (07179-17260) without inserting it.
- <2> Set two spacers (707-88-36360) along the snap ring groove.
(In this case, take care of the position in the circumferential direction.: See Figure 3.)
- <3> Attach the dust seal (707-56-24010) along the groove of 707-88-36360.
(In this case, displace the 707-88-36360 two-split position and seal split position 90 degrees.)
- <4> Set the cover (707-88-36370), then fix it with a bolt.
Bolt tightening torque: 59 - 74 Nm (Use torque wrench)
- <5> Attach the plate (707-88-03420) in the side of the cylinder head.
Bolt tightening torque: 59 - 74 Nm (Use torque wrench)

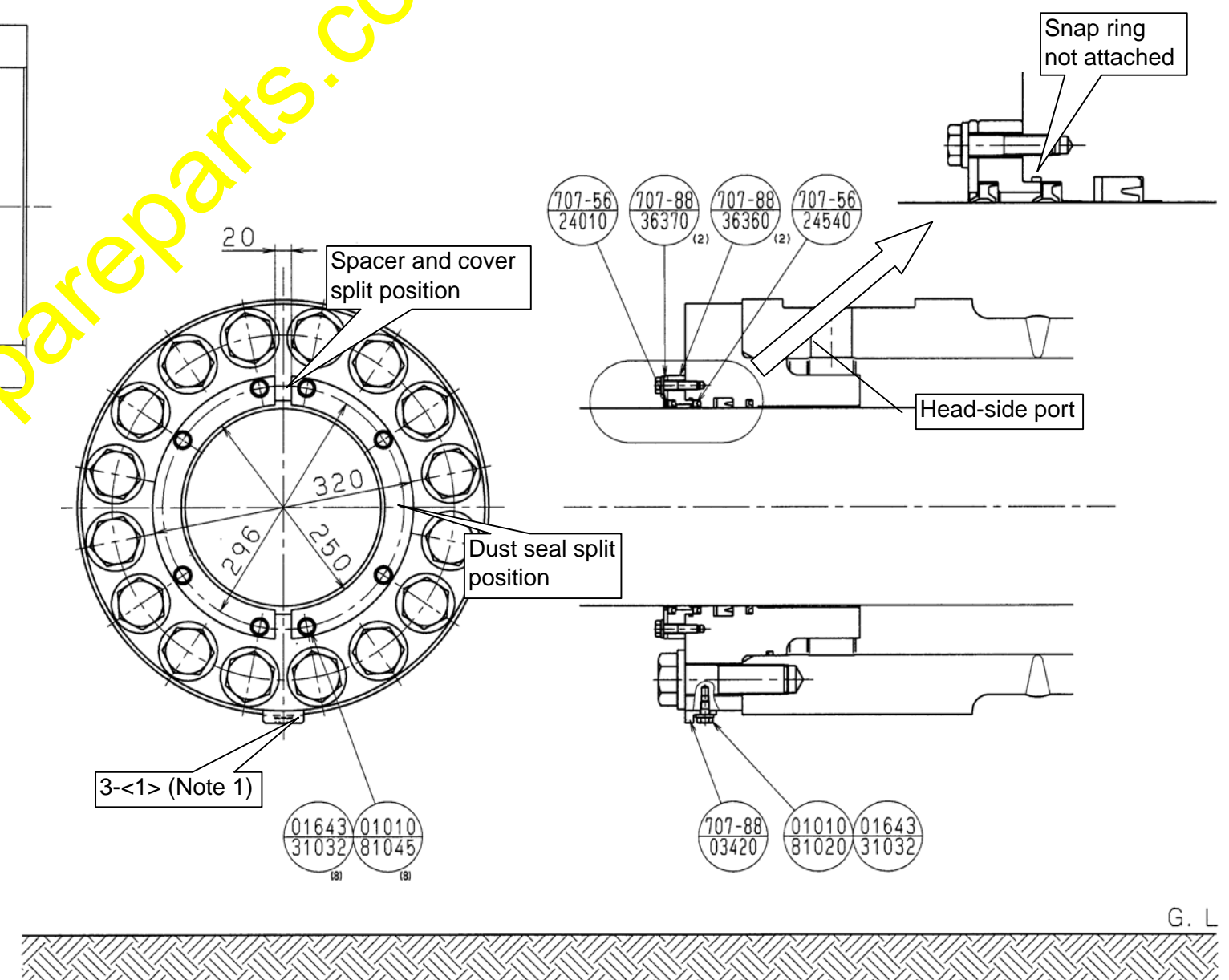


Fig. 3

Replacement procedure for the piston section

4. Replacement parts in the piston section

<BOOM CYL.>

Replacement parts in the piston section: Parts marked * and parts marked ©

(Parts marked *; Newly arranged parts, Parts marked ©; KIT parts)

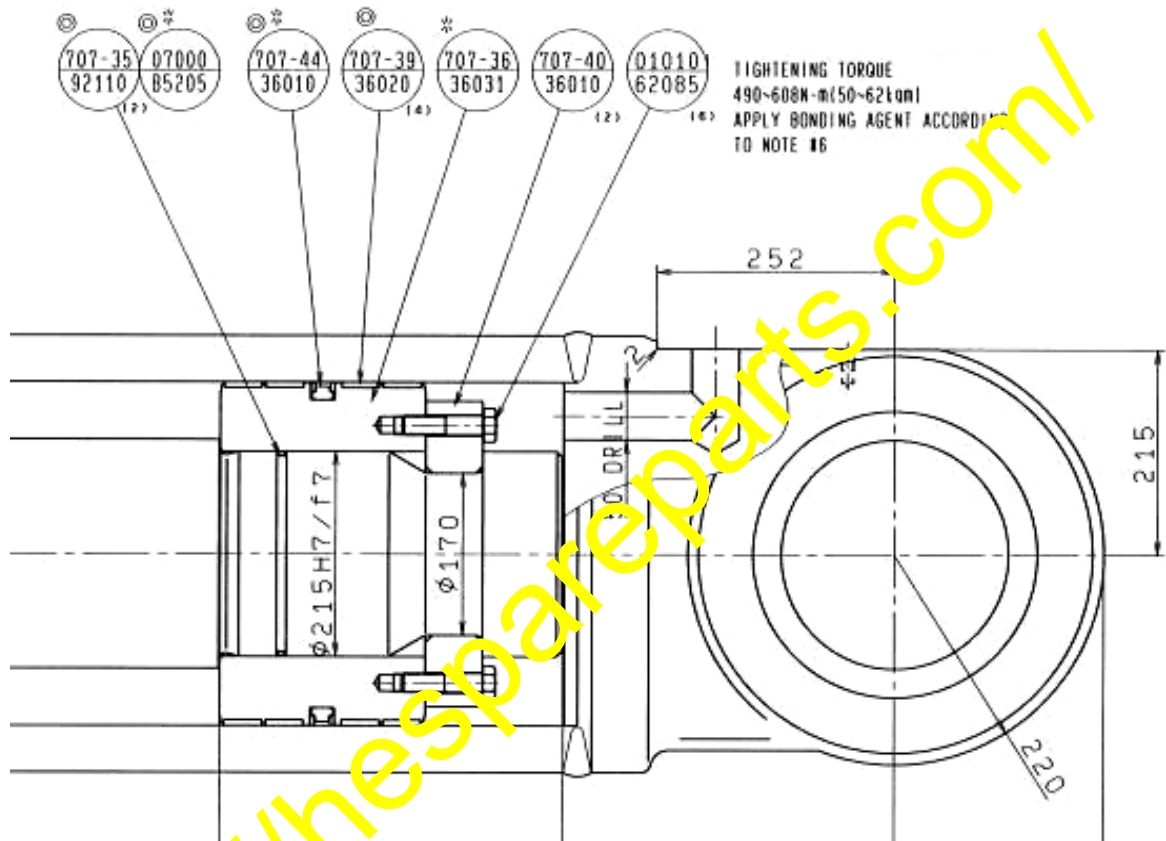


Fig. 4