

PARTS & SERVICE NEWS

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(C)

SUBJECT: LIFT CYLINDER TRUNNION BUSHING REPLACEMENT KIT

PURPOSE: Some graders have experienced rust and galling of the lift trunnion bushings. This Parts & Service News is to inform of a new bushing that adds a grease groove to the bushing to improve the grease distribution around the trunnion shafts.

APPLICATION: 830B Motor Grader Serial Number 210866 and up
 830C Motor Grader Serial Number 210866 and up
 850B Motor Grader Serial Number 210866 and up
 850C Motor Grader Serial Number 210866 and up
 870B Motor Grader Serial Number 210866 and up
 870C Motor Grader Serial Number 210866 and up
 GD530A-2BY Motor Grader Serial Number 210866 and up
 GD530A-2CY Motor Grader Serial Number 210866 and up
 GD530AW-2BY Motor Grader Serial Number 210866 and up
 GD530AW-2CY Motor Grader Serial Number 210866 and up
 GD650A-2BY Motor Grader Serial Number 210866 and up
 GD650A-2CY Motor Grader Serial Number 210866 and up
 GD650AW-2BY Motor Grader Serial Number 210866 and up
 GD650AW-2CY Motor Grader Serial Number 210866 and up
 GD670A-2BY Motor Grader Serial Number 210866 and up
 GD670A-2CY Motor Grader Serial Number 210866 and up
 GD670AW-2BY Motor Grader Serial Number 210866 and up
 GD670AW-2CY Motor Grader Serial Number 210866 and up

FAILURE CODE: H1A6LF

DESCRIPTION:

PREPARATION FOR WORK

List of Parts

The following replacement part kit must be ordered:

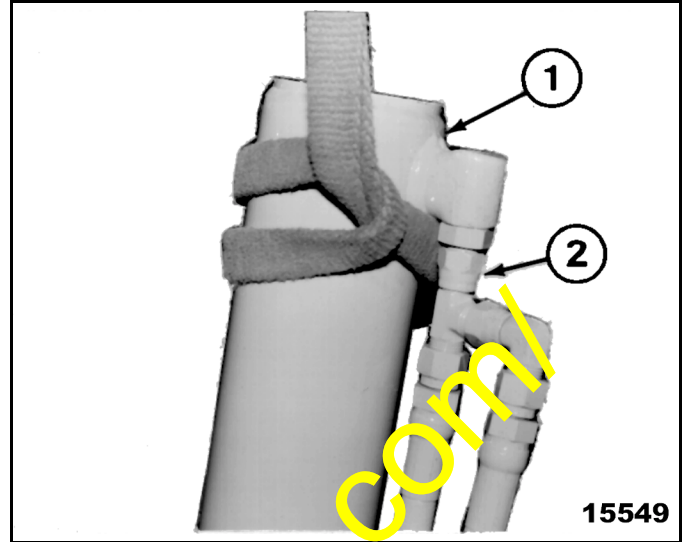
Item	Part Number	Description	QTY	Remarks
1	1440 406 H1	Bushing	4	
2	109 461	Grease fitting	4	

Tools required:

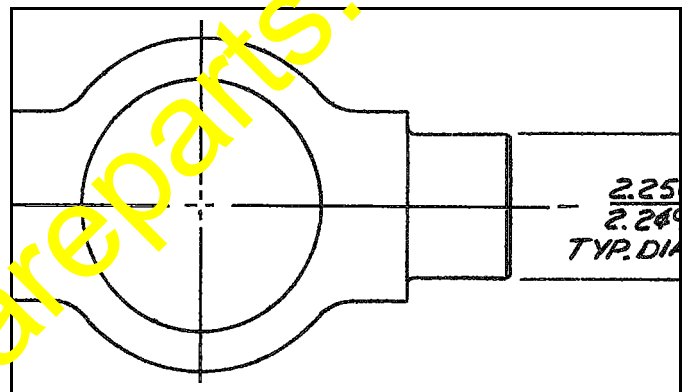
- 15/16 in. socket wrench
- 7/16 in. open end wrench

Instructions

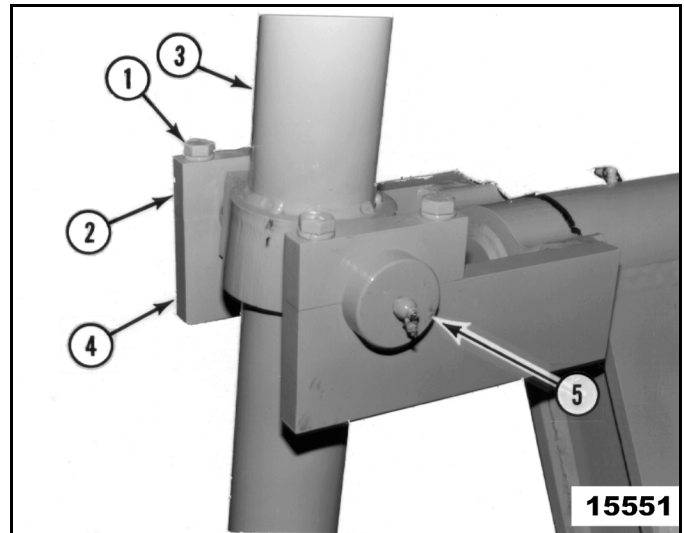
1. Using a suitable lifting device, sling the lift cylinder



2. Match mark the lift cylinder yoke caps (2).
(The caps and yoke are machined as a set and must be returned to the same position when reassembling.)
3. Remove the 4 capscrews mounting the two yoke caps (1).



4. Pull bushing off trunnion.
5. Clean and inspect trunnion shaft.
The diameter of the shaft should be 2.249/2.250 in. (57.12/57.15 mm)



6. Thoroughly grease the inside of the new trunnion bushings (P/N 1440406H1) with NLGI #2 multipurpose lithium grease with 3% minimum molybdenum disulfide.
7. Remove and replace the two bushings from the lift cylinder trunnion (5).
8. Position the cylinder in the yoke (4) and secure in place with the two trunnion caps (3), in the same position and orientation as originally marked, with the lockwasher and bolts (1). Torque bolts to 140 lb ft (189.9 N•m).
9. Install grease fitting P/N 109 461.
10. Remove the sling from the cylinder and repeat for the opposite lift cylinder.

