

PARTS & SERVICE NEWS

REF NO. AA00184

DATE March 6, 2002

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SUBJECT: TRANSMISSION OIL FILLER TUBE IMPROVEMENT

PURPOSE: To add bracket to help support the transmission oil filler tube and to reduce the risk of failure.

APPLICATION: WA120-1LC Wheel Loader Serial Number A20001 thru A20531

FAILURE CODE: 151XHA

DESCRIPTION:

Due to excessive vibration, the transmission oil filler tube has experienced some failures (cracks) at or near the elbow of the tube. This Parts & Service News provides a procedure for strengthening the transmission oil filler tubes on the above machines.

PARTS LIST

Item	Part Number	Description	Qty	Remarks
1	416-15-A1111	Support bracket	1	
2	07283-34346	U-Bolt	1	
3	01597-01009	Nut	2	
4	01010-61045	Bolt	2	
5	01643-31032	Washer	4	

MACHINE PREPARATION



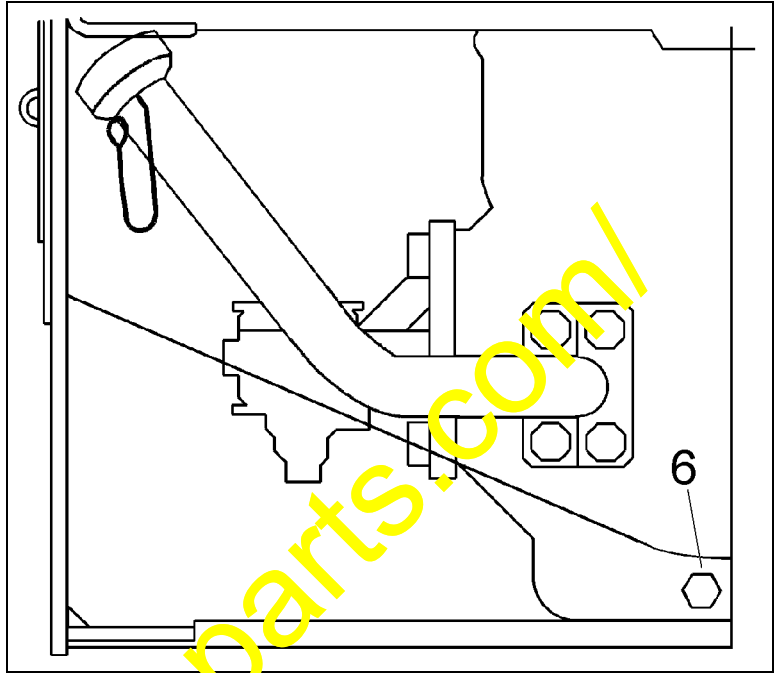
WARNING! PLEASE OBSERVE ALL SAFETY AND PRECAUTIONARY STANDARDS AS DICTATED BY THE ENVIRONMENT AND WORK CONDITIONS UNDER WHICH THE EQUIPMENT WILL BE INSPECTED, REWORKED, AND REPAIRED. CONSULT THE SHOP MANUAL, AND OPERATOR'S AND MAINTENANCE MANUAL, AND YOUR KOMATSU DISTRICT SERVICE MANAGER WITH ANY/ALL QUESTIONS REGARDING SAFETY.

NOTE: These instructions are intended to supplement the service data contained in the appropriate Shop Manual. Always refer to that manual for Removal, Installation, Disassembly, and Assembly instructions when not contained in this document.

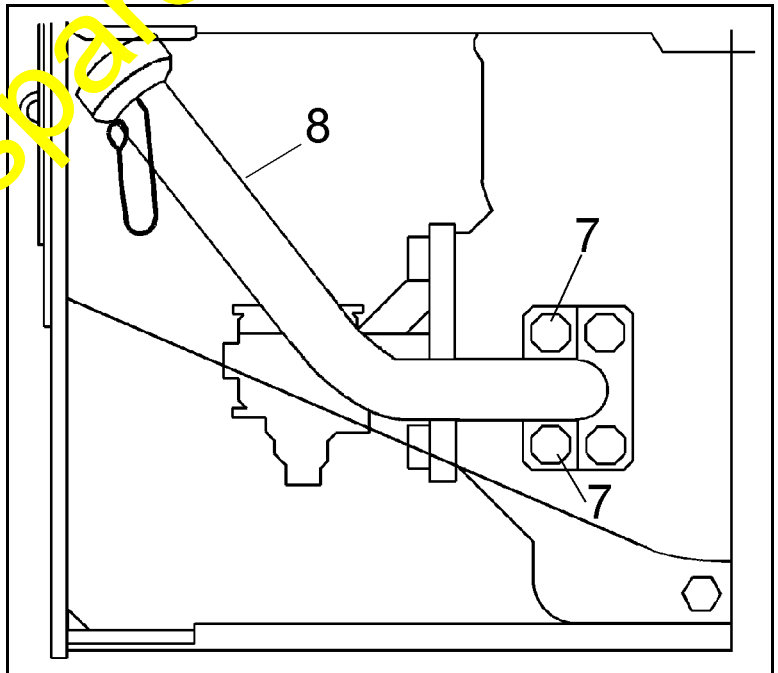
1. Park the machine on a flat, level surface, lower the work equipment to the ground. Shut off the engine and cycle the controls to remove any residual hydraulic pressure from the work equipment circuits. Fully apply the parking brake.
2. Remove the key from the start switch until the repairs are complete. Place a tag on the steering controls advising: **"This machine is being repaired. Do not start or move for any reason until the tag is removed by the person doing the repairs."**

INSTALLATION PROCEDURE

1. Loosen drain plug (6) and drain the transmission oil.
2. Reinstall the drain plug (6).




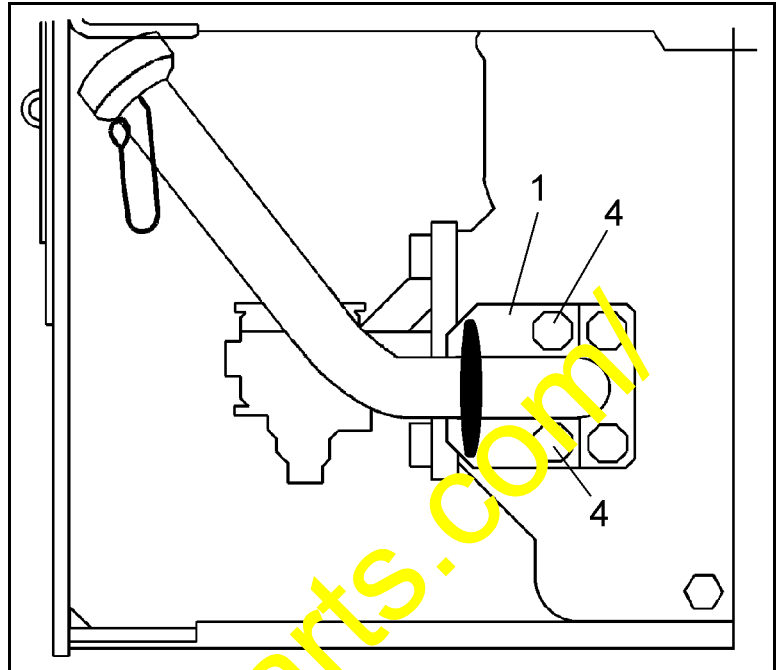
3. Remove existing mounting bolts (7) and washers.



4. Set new bracket (1) (416-15-A1111), two new washers (01643-31032), and two new bolts (4) (01010-61050) in the mounting position.


Tighten the mounting bolts to the following torque:

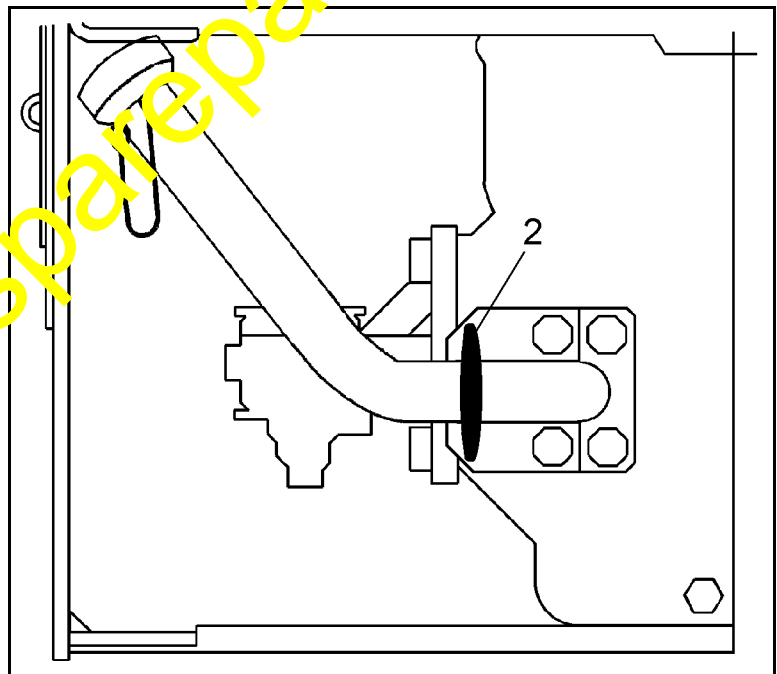
 **N·m** Mounting bolt: **59 Nm**



5. Set new U-Bolt (2) (07283-34346) and two nuts (01597-01009) in mounting position.

Tighten the nuts to the following torque:

 **N·m** Nut: **14 Nm (Max)**



6. Loosen the cap and add transmission oil through the transmission oil tube to the specified level.

NOTE:

Consult the appropriate Shop Manual for type of transmission oil used.

Run the engine to circulate the oil through the system. Then check the oil level again.

7. Tighten the cap.