

PARTS & SERVICE NEWS

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(C)

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SUBJECT: REPAIR PROCEDURE OF GEAR PUMP FAILURE

PURPOSE: To introduce a new relief valve to prevent occurrences of damage to the work equipment pump.

APPLICATION: WA200-3 Wheel Loader Serial Number 60001 to 64465
WA250-3 Wheel Loader Serial Number 65001 to 66064
WA250-3A Wheel Loader Serial Number 53001 to 54180
WA250-3MC Wheel Loader Serial Number A71001 to A71885
WA250PT-3MC Wheel Loader Serial Number A78001 to A78443

FAILURE CODE: J140CC

DESCRIPTION: When the WA200-3 and WA250-3 wheel loaders are used on work sites where severe operations occur, frequent excessive pressure in the pump may damage the pumps inner walls resulting in pump shaft seizure of the shaft. A new relief valve has been improved to control these excessive pressure spikes.

MACHINE PREPARATION

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.
2. Remove the key from the ignition switch until the repairs are complete. Place a tag on the steering controls advising: "This machine is being repaired. It should not be started or moved for any reason until the tag is removed by the person doing the repairs."



WARNING! 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.

Remark

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 Reassembly instructions when not contained in this document.

PARTS LIST

Part No.	Part Name	Purpose	Qty.	Remark
700-89-64001 (700-89-54001)	Relief valve (Relief valve)	Replacement	1 (1)	

DETAILS OF MODIFICATION

Replace the current relief valve assembly with the new improved valve assembly

To control excessive peak pressure in the work equipment pump, the crack pressure of the relief valve has been reduced and set-up with override characteristics to keep the pressure at the proper operating range.

Current relief valve:

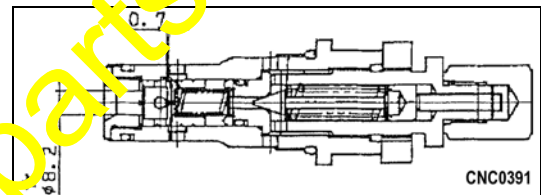
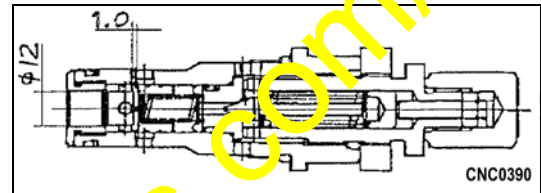
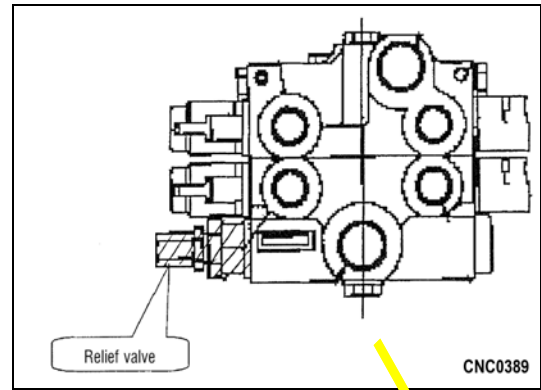
Part Number **700-89-54001** →

Remove this valve and replace it.

Replacement relief valve

Part Number **700-89-64001** →

Install with this new and improved valve



MODIFICATION PROCEDURES

1. Loosen oil fill cap and relieve any pressure on the system. This is accomplished by moving the control levers two or three times.
2. Remove the inspection cover (1) from the front of the machine.
3. Remove and replace the old relief valve with the new improved valve.
4. Refill the hydraulic tank and check operation of work equipment and steering.
5. Check for any oil leaks
6. For information:
 - Refer to the chapter “TESTING AND ADJUSTING” in the Shop Manual
7. Reinstall the inspection cover (1).

