

PARTS & SERVICE NEWS

REF NO.	AA02098
DATE	April 10, 2002

SUBJECT: HYDRAULIC OIL COOLER INLET HOSE REPLACEMENT

PURPOSE: Replacement for premature failure.
If hose was damaged by hydraulic oil pressure spikes, see P&SN AA00206.

APPLICATION: WA600-3L Wheel Loader Serial Number A52001 thru A52192

FAILURE CODE: 03C3ZC

DESCRIPTION:



WARNING! Refer to the Operation and Maintenance Manual for applicable safety precautions. Make sure the hydraulic oil is cool before beginning any repair procedure. Use proper containers to collect any spillage of hydraulic oil. Protect against contamination of the hydraulic oil (dirt, sand etc.).

- ★ In machines equipped with joystick steering, pressure spikes occur at the inlet port section of the hydraulic oil cooler when an abrupt changeover of joystick steering is made, thereby damaging the hydraulic oil cooler inlet hose. To prevent this, the installation of improved joystick steering parts (as described in Parts & Service News, Ref. No. AA00206) will suppress such pressure spikes and prevent premature failure of the cooler hose.

Refer to Figure 1 for items listed below.

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	07102-21032	HOSE	2
2*	421-16-11660	CLIP	12
3	01435-01020	BOLT	6

*Item Nos. 2 and 3 above are reusable (listed here for reference).

NOTE: Instead of draining the hydraulic tank for cooler hose replacement, The Handy Vacuum Pump, Part No. 790-701-6001 is recommended. This pump is capable of clearing hydraulic lines without having to drain the tank.

Replacement Procedure

1. Locate the two (2) hydraulic oil cooler hoses (Figure 1), which run from the hydraulic tank (Figure 2, A) to the hydraulic oil cooler at the bottom of the radiator (Figure 3, A).
2. Remove the six (6) bolts and the twelve (12) clips which secure the two (2) hoses along their path. Refer to Figure 1.
3. Attach the Handy Vacuum Pump to the hydraulic tank filler with the appropriate adapter (included with pump) and follow the Handy Vacuum Pump instructions for its operation.



WARNING! Use proper containers to collect any spillage of hydraulic oil.

- ★ Have plugs ready to stop oil from flowing out.
4. Disconnect the two (2) hoses from the hydraulic tank (Figure 2, A).
 5. Disconnect the two (2) hoses from the hydraulic oil cooler at the bottom of the radiator (Figure 3, A).
 6. Connect the two (2) new hoses to the hydraulic oil cooler at the bottom of the radiator.
 7. Route the new hoses along the same path as the old ones and connect them to the hydraulic tank.
 8. Stop the Handy Vacuum Pump and disconnect it from the hydraulic oil filler following Handy Vacuum Pump instructions.
 9. Check the connections for leaks.
 10. Tighten the connections as needed.
 11. Secure the new hoses to the machine with the twelve (12) clamps and six (6) bolts removed earlier.

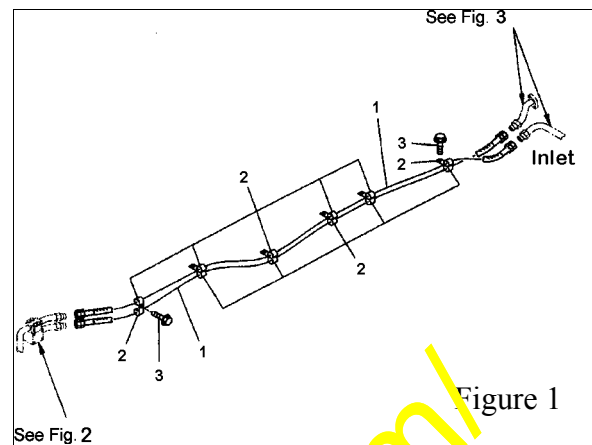


Figure 1

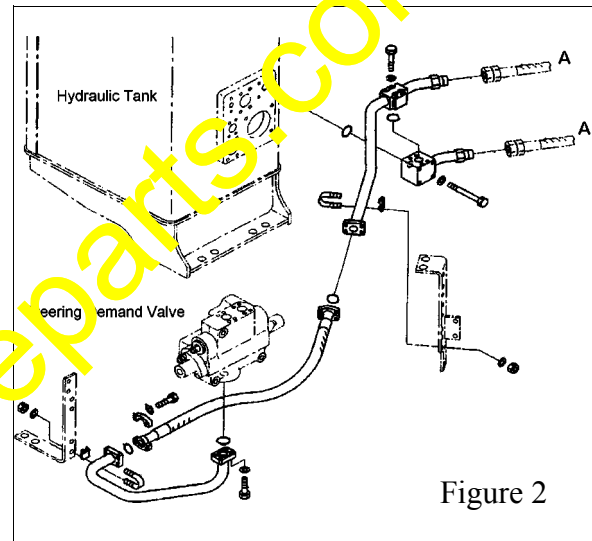


Figure 2

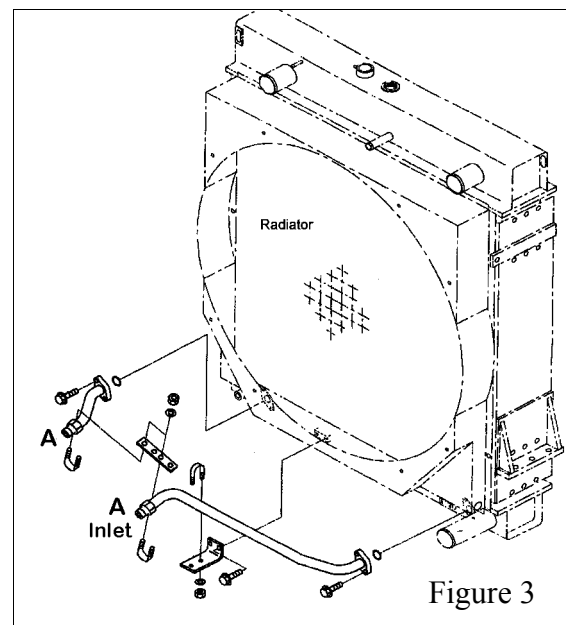


Figure 3