

# PARTS & SERVICE NEWS

REF NO.	AA02091
DATE	March 26, 2002

**SUBJECT:** BACKUP ALARM AND REAR LIGHT FAILURES

**PURPOSE:** To inform the field of a procedure for relocating a wire clip to eliminate water intrusion in GR1 electrical connector.

**APPLICATION:** Komatsu Wheel Loaders  
WA800-3LC A50001 & Up;  
WA900-3LC A50001 & Up

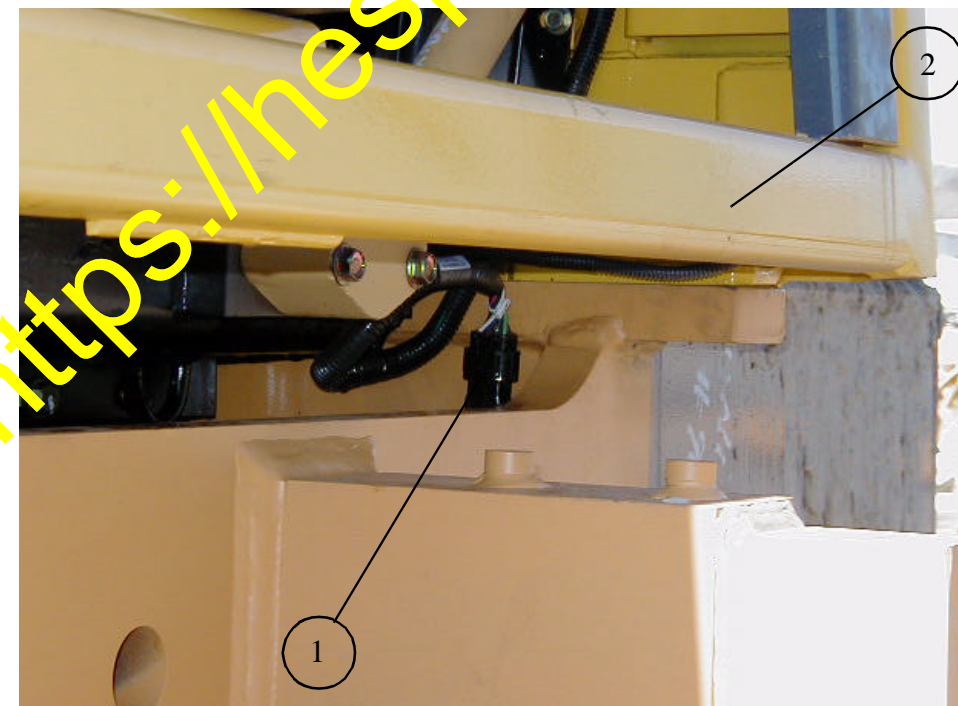
**FAILURE CODE:** D530DD

**DESCRIPTION:**

Some wheel loaders in the field may develop a corrosion problem with the GR1 connector in the rear frame wiring harness. The corrosion can be attributed to water intrusion due to the location and orientation of the mounting clip for the harness. Common symptoms of this problem include failure of the backup alarm and rear lights.

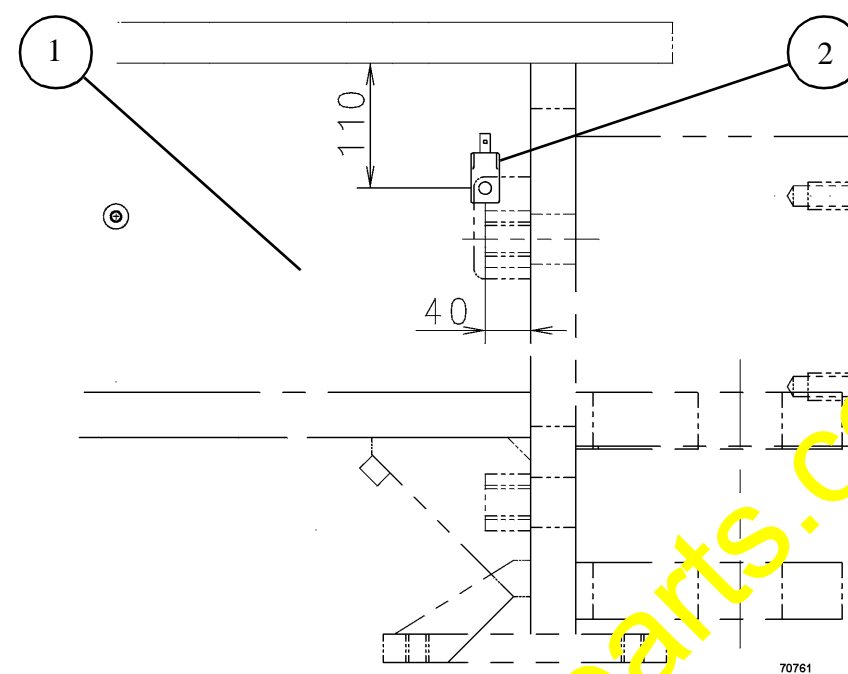
The procedure documented in this bulletin outlines the proper dimensions and orientation for installing a new weld-on clip to prevent this problem from occurring in the future.

The part number of the clip is 08053-00910.



1. GR1 Connector    2. Radiator Guard

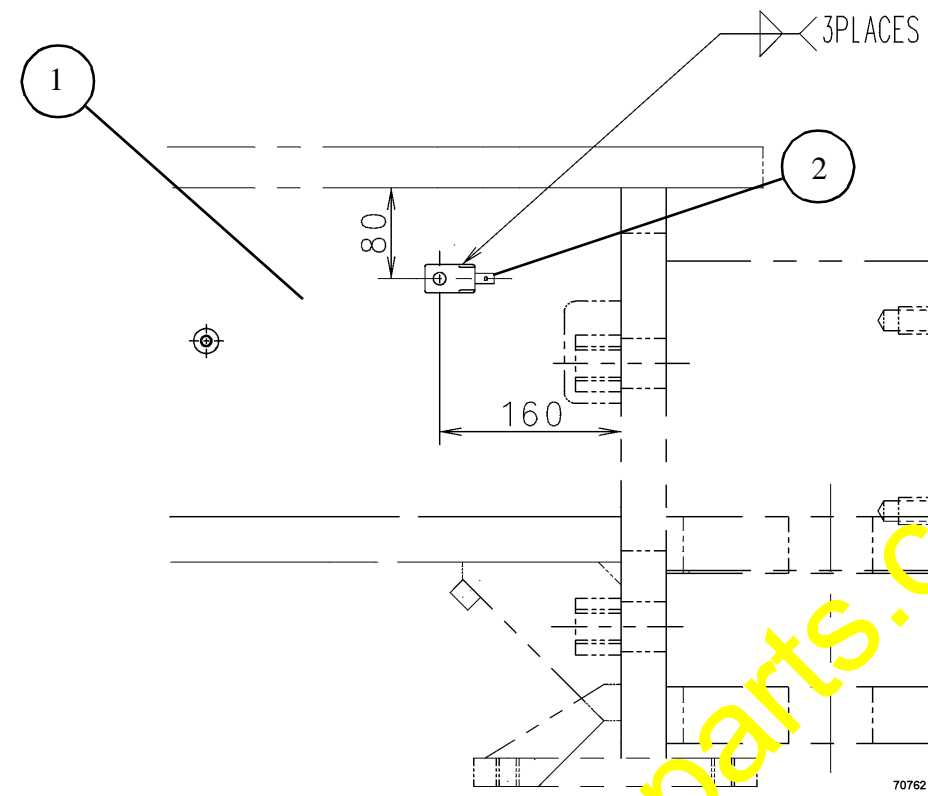
FIGURE 1. GR1 CONNECTOR LOCATION



1. Frame 2. Existing Clip

FIGURE 2. EXISTING WIRE CLIP

1. Remove GR1 connector (1, Figure 1) from the existing wire clip and position the harnesses and connectors out of the way. The connector is located on the RH side of the machine near the front of the engine, below the radiator guard.
2. Inspect the GR1 connector terminals for corrosion. Clean or repair the terminals as necessary.
3. Remove clip (2, Figure 2) from the frame.



1. Frame 2. New Clip (08053-00910)

FIGURE 3. NEW WIRE CLIP LOCATION

4. Weld the new clip to the frame using the dimensions specified in Figure 3.
5. Install the GR1 connector and wiring to the new clip and re-clamp the existing harness.
6. Ensure the backup alarm and rear lights work properly before returning the machine to service.