

PARTS & SERVICE NEWS

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(C)

Page 1 of 4

SUBJECT: REPAIR OF PARKING BRAKE GREASE SCATTERING PREVENTIVE COVER

PURPOSE: To introduce modification procedures for the parking brake grease scattering preventive cover.

APPLICATION: HD465-5 Dump Trucks, S/N 4642 thru 4820
 HD605-5 Dump Trucks, S/N 1014 thru 1116
 HD785-5 Dump Trucks, S/N 4001 thru 4148
 HD785-5 Dump Trucks, S/N A10205 and up
 HD985-5 Dump Trucks, S/N 1021 thru 1049

FAILURE CODE: 2F1136

DESCRIPTION:

The integrally-welded grease scattering preventive cover of the parking brake some cracking may occur in its welded section due to the parking brake being used as a emergency brake. Thermal stress occurring when the parking brake is applied while the vehicle has not come to a complete standstill or due to centrifugal stress occurring from continuous high speed travel (50 km/h/mph or more).

For vehicles being shipped newly from the factory, the cover has been separated from the disc to suppress the influence coming from the disc thereby to prevent occurrence of cracking.

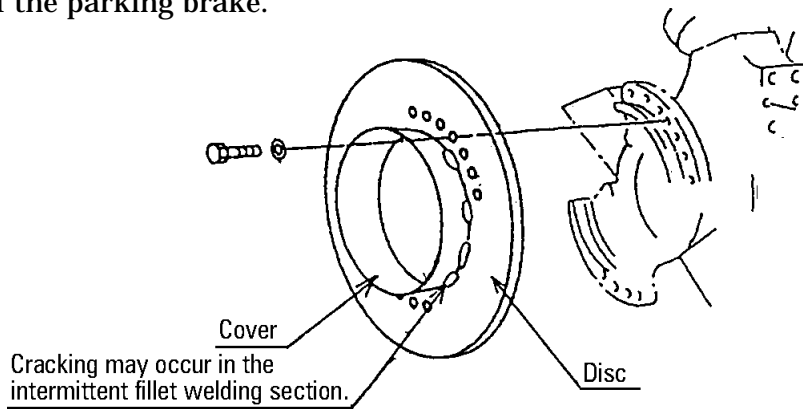
This **PARTS & SERVICE NEWS** introduces the modification procedure for machines already shipped and correct implementation of the modification.

LIST OF PARTS:

Part No.	Part Name	Purpose of Part	Q'ty	Remarks
561-34-61420 (561-34-61421)	Disk (Disk)	Reworked	1 (1)	To be reworked locally
561-34-61491	Cover	Additional	1	

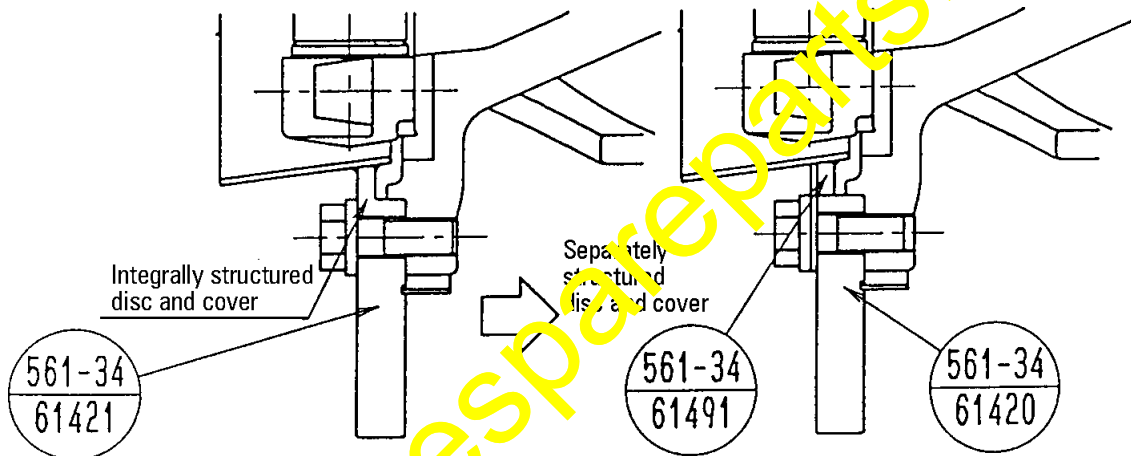
3. Failure phenomenon

Cracking may occur in the welded section between the disc and the grease scattering preventive cover of the parking brake.



4. Contents of the modification

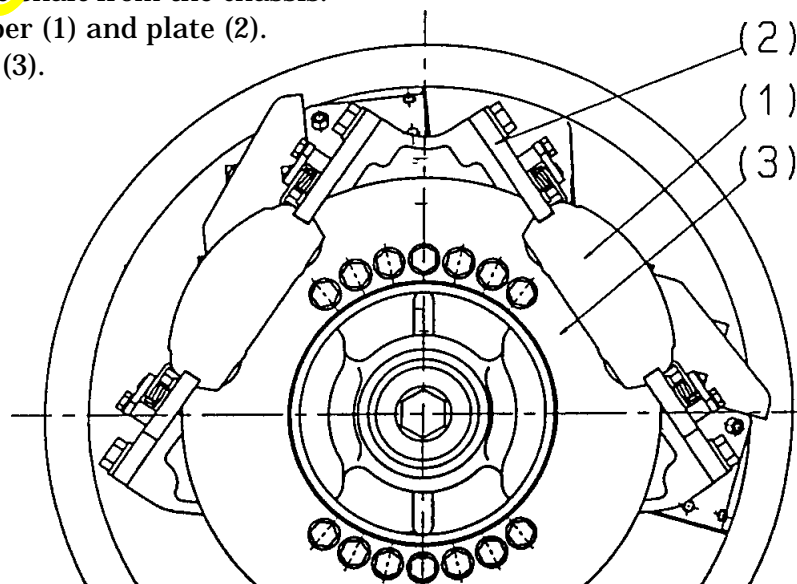
Remove the disc and rework it according to the designations given in this document before fastening the separated state cover and the disc altogether.



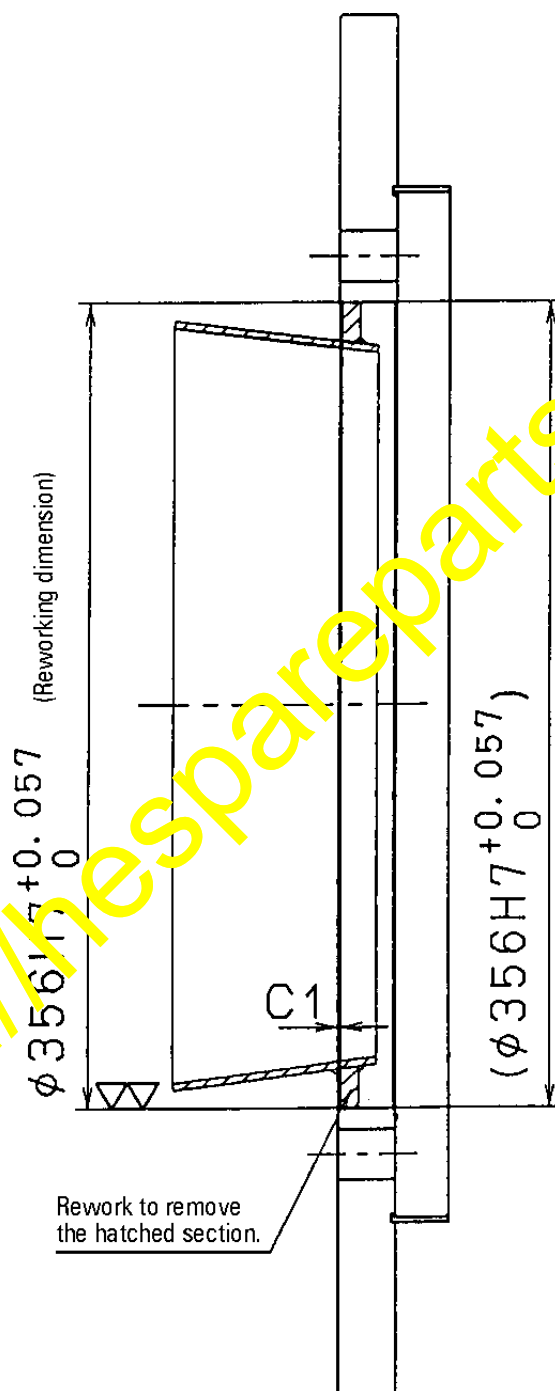
5. Modification procedures

5-1. Disassembling the disc

- 1) Park the vehicle on a level surface.
- 2) Insert wedges to both wheels on the rear axle, both from front and back.
- 3) Remove the drive shaft from the chassis.
- 4) Remove the caliper (1) and plate (2).
- 5) Remove the disc (3).

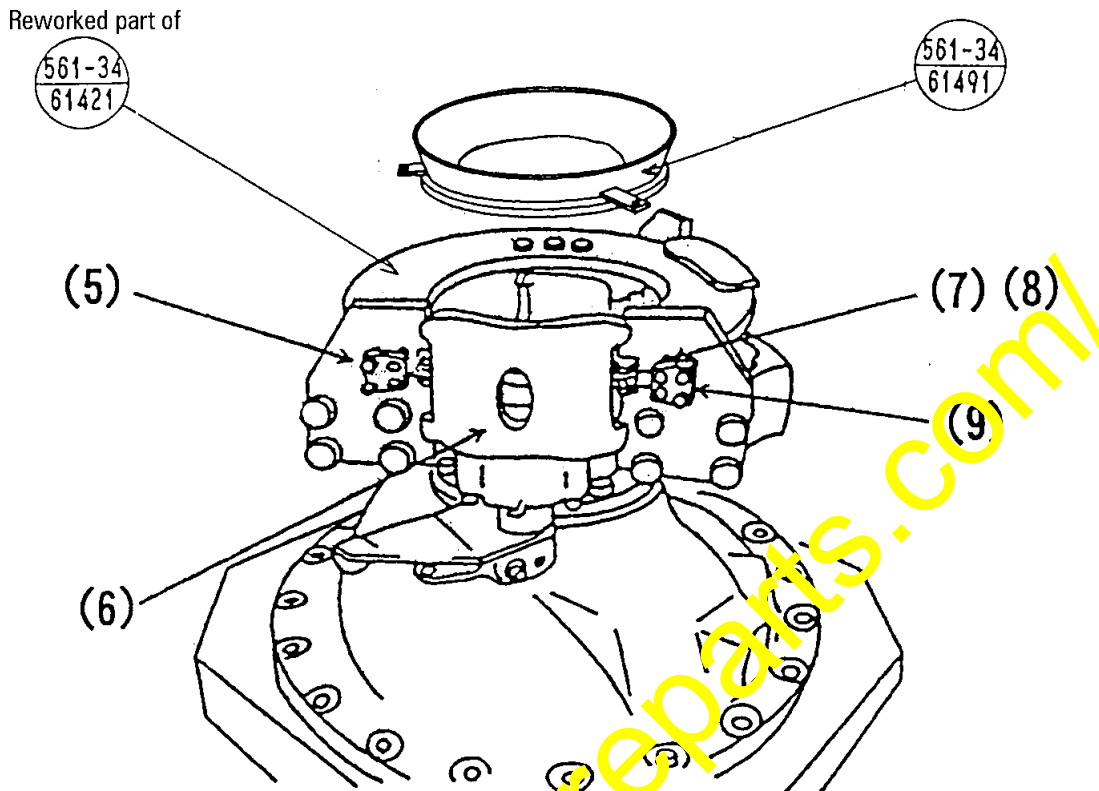




- 5-2. Reworking the disc
Modify the bore diameter of the disc.



5-3. Reassembling the parking brake

- 1) Install the disc (reworked part of 561-34-61421) and the cover (561-34-61491).



- 2) Install the plate (5) of one side.
🔧 Mounting bolt: Apply adhesive (LT-2).
🔧  Mounting bolt: Tightening torque 824 – 1,030 Nm
- 3) Install the caliper (6).
- 4) Install the plate (5) of the other side.
🔧 Mounting bolt: Apply adhesive (LT-2).
🔧  Mounting bolt: Tightening torque 824 – 1,030 Nm
- 5) Temporarily install the springs (7) & (8) and bracket (9) so that they may be moved easily.
- 6) Charge compressed air into the brake chamber to retract the rod.
- 7) Turn the adjust screw (A) of the slack adjuster clockwise. Turn the adjust screw (A) until the pads on both sides come to close contact with the disc and the adjust screw turning effort rises significantly.
- 8) Make final tightening of the bracket (9).
- 9) Loosen the adjust screw (A) by 2/3 turn (by 240°).
- 10) Install the drive shaft.

