

PARTS & SERVICE NEWS

REF NO.	AA04001
DATE	Jan. 12, 2004

(C)

SUBJECT: REPAIR PROCEDURE OF LINKAGE CONNECTION BREAKAGE OF CAB OUTER DOOR HANDLE

PURPOSE: To introduce modification procedure to repair when breakage failure occurs in the linkage connecting section of the outer handle of the cab door.

APPLICATION: WA380-5 Wheel Loaders, S/N up to 60345
 WA380-5L Wheel Loaders, S/N A52001 thru A52193
 WA400-5 Wheel Loaders, S/N up to 70010
 WA400-5L Wheel Loaders, S/N A40001 thru A40035
 WA430-5 Wheel Loaders, S/N up to 60073
 WA450-5L Wheel Loaders, S/N A36001 thru A36160
 WA470-5 Wheel Loaders, S/N up to 70174
 WA480-5 Wheel Loaders, S/N up to 80045
 WA480-5L Wheel Loaders, S/N A37001 thru A37044

FAILURE CODE: 5520FM

DESCRIPTION:

When riding or descending to and from the operator's cab, (outer handle for the one person cab door) if the outer handle is grabbed and pulled or pushed to the full stroke resting the operator's body weight on the outer handle, a high load will be applied to the door linkage connecting section. If the door is opened and closed repetitively under the above mentioned conditions, a possibility of breakage failure of the outer handle will occur.

When the above mentioned failure does occur, carry out the modification being introduced in this PARTS & SERVICE NEWS to repair the failure.

LIST OF PARTS

Part No.	Part Name	Purpose of Part	Qty.	Remarks
423-926-3104 (423-926-3105) 423-926-AE00 (KCI)	Door Ass'y (L.H.)	Reworked	1 (1)	
423-926-3204 (423-926-3203) 423-926-AE00 (KCI)	Door Ass'y (R.H.)		1 (1)	
424-926-3812 (424-926-3811)	Control A (L.H.)	Replacement	1 (1)	
424-926-3822 (424-926-3821)	Control A (R.H.)		1 (1)	

3. Details of the modification

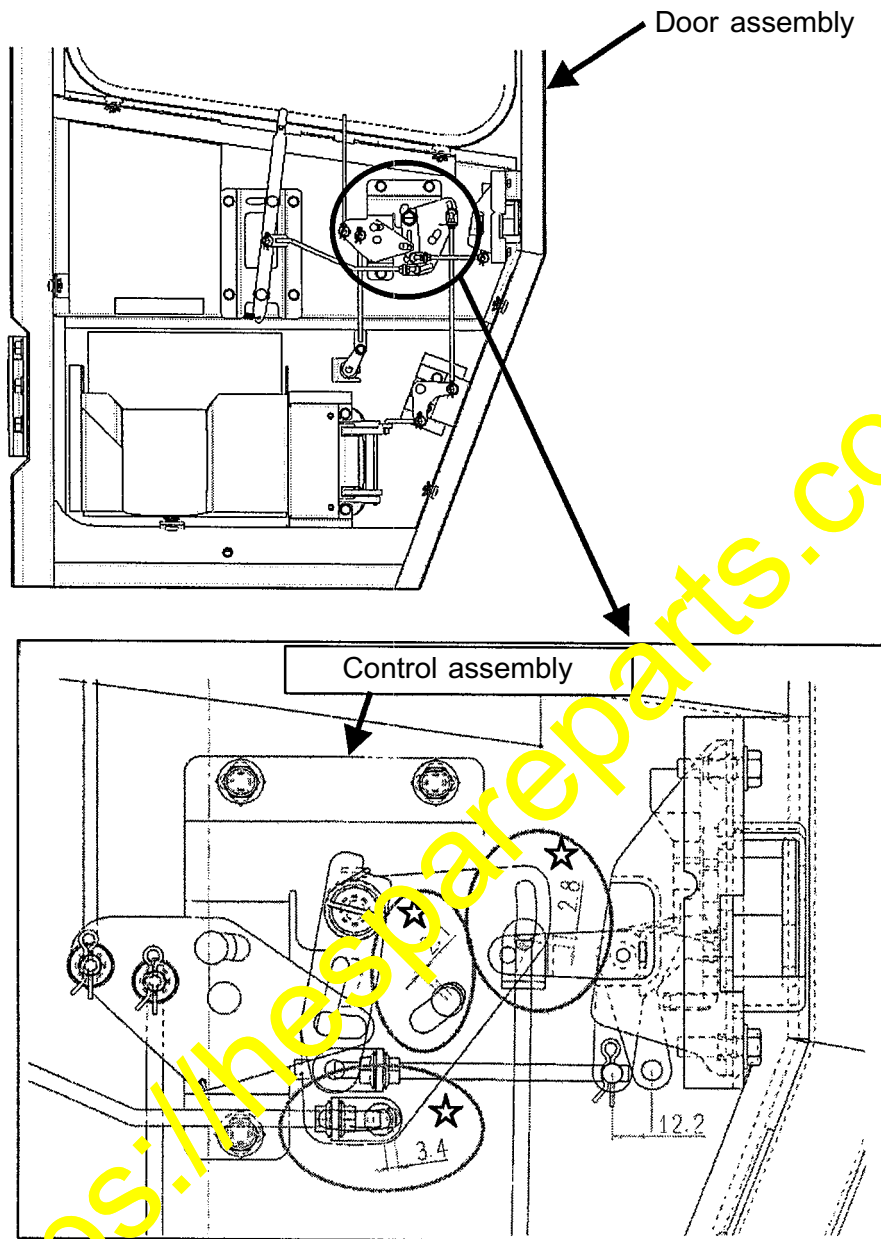


Fig. 1

- (1) Replace the control ass'y.
424-926-3811 (LH) → 424-926-3812 (LH)
424-926-3821 (RH) → 424-926-3822 (RH)
The size of the slotted holes marked ☆ (at 3 places) in Fig. 1 has been increased.
- (2) Adjustment procedure is being added.

Process 1) Removal of the hand rail and the door cover

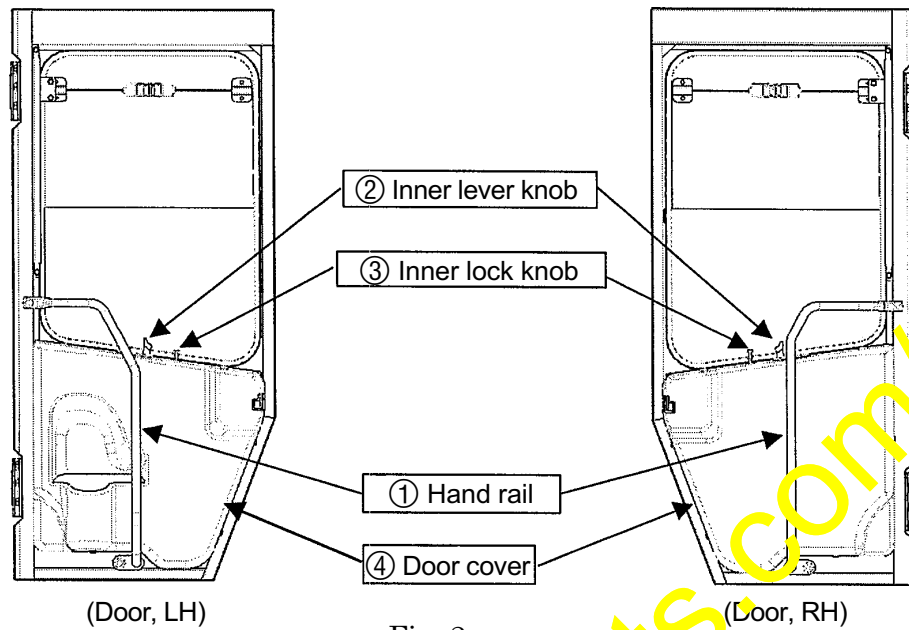


Fig. 2

- ① Remove the handrail. (Remove the M10 bolts at 2 places. --- These bolts are being reused.)
- ② Pull out to remove the inner lever knob.
- ③ Turn to remove the inner lock knob.
- ④ Remove the door cover. (Remove the M6 screws at 6 places. --- These screws are being reused.)

Process 2) Replacement of the control assembly

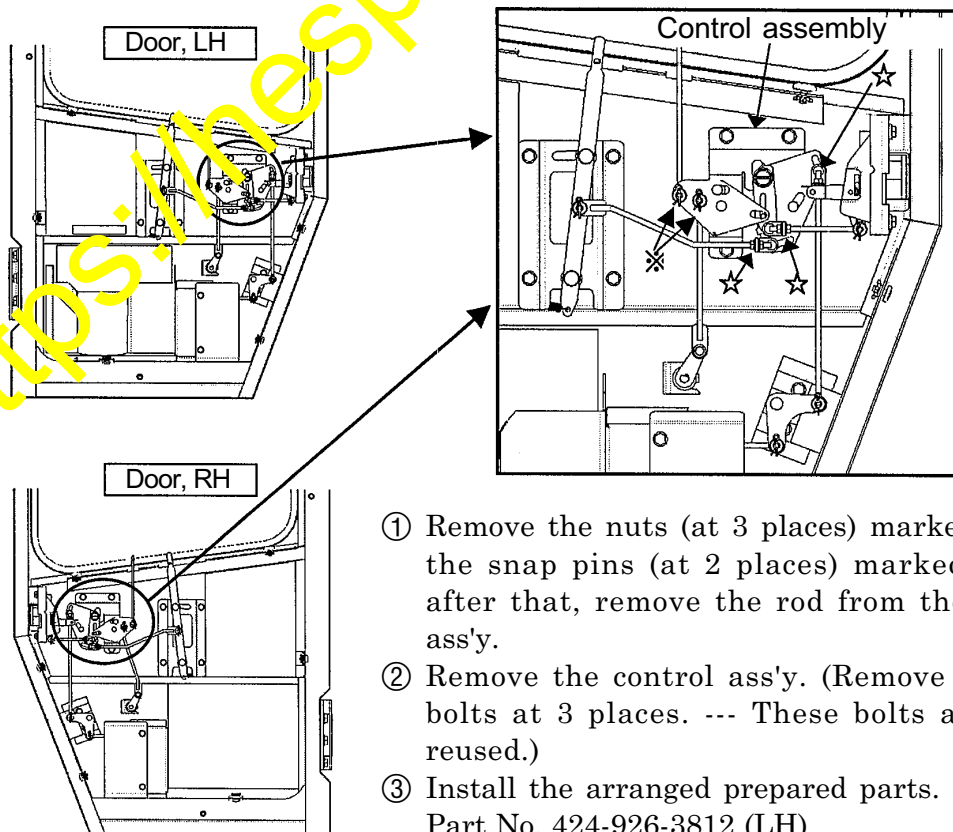
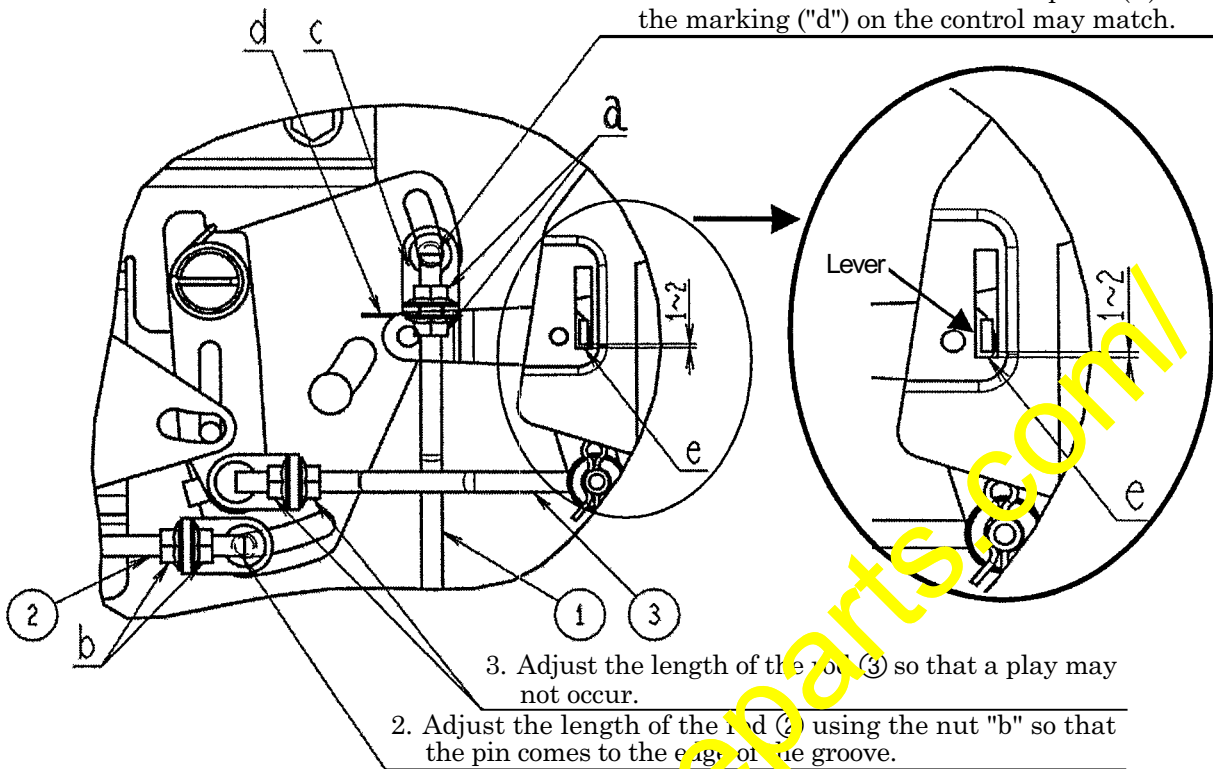


Fig. 3

- ① Remove the nuts (at 3 places) marked ☆ and the snap pins (at 2 places) marked ※, and after that, remove the rod from the control ass'y.
- ② Remove the control ass'y. (Remove the M10 bolts at 3 places. --- These bolts are being reused.)
- ③ Install the arranged prepared parts.
Part No. 424-926-3812 (LH)
Part No. 424-926-3822 (RH)

Process 3) Installation and adjustment of the control ass'y and the rod

1. Adjust the length of the rod ① using the nut "a" so that the lower end of the plate (C) and the marking ("d") on the control may match.



2. Adjust the length of the rod ② using the nut "b" so that the pin comes to the edge of the groove.
3. Adjust the length of the rod ③ so that a play may not occur.

Fig. 4

4. After the adjustment work for the rod, check that the clearance of the door lock ("e") is remained by 1 to 2 mm when the outer handle is moved to its full stroke (※1). (Refer to Fig. 4.)

※1: Full stroke means the position where the lever comes to stop hitting the handle body when the lever is moved. (Refer to Fig. 5.)

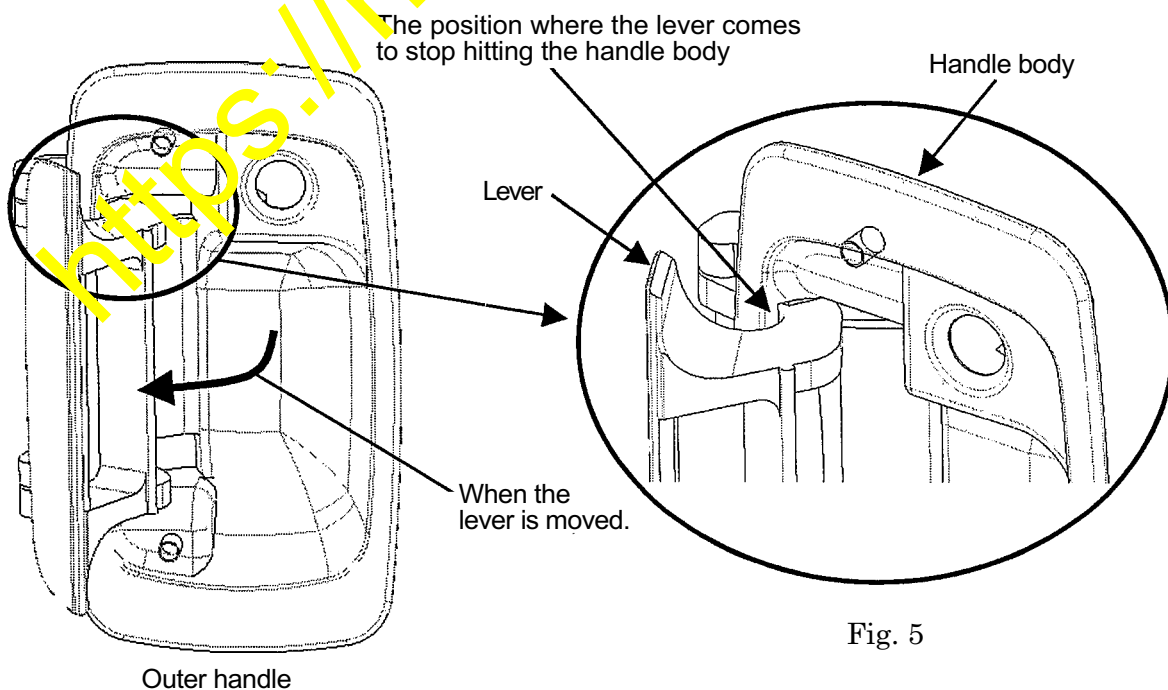


Fig. 5

Process 4) Installation of the hand rail and the door cover

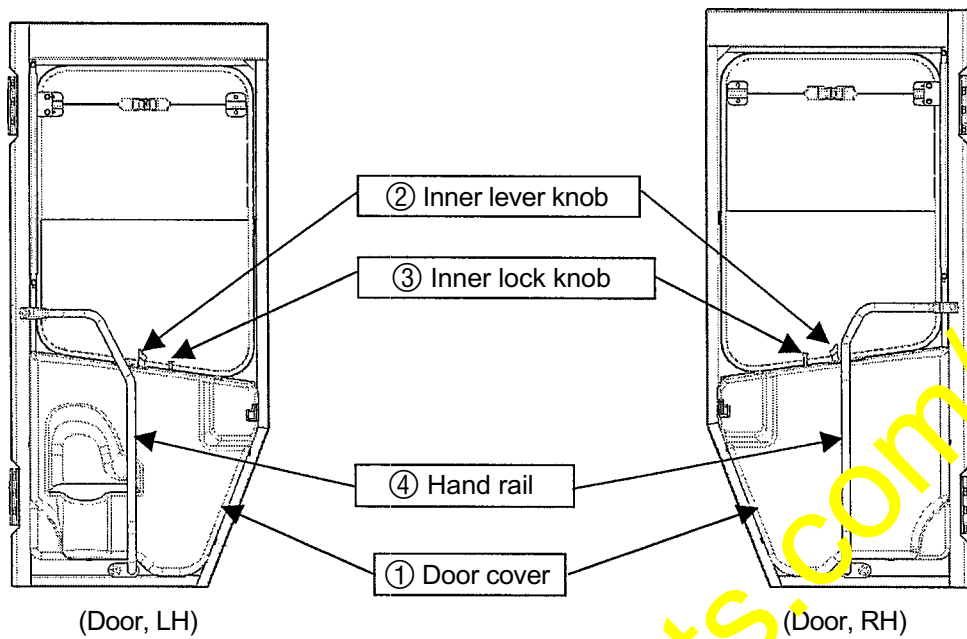


Fig. 6

- ① Install the door covers on both of the LH side and RH side doors respectively. (Using the following M6 screws at 6 places. --- Reuse the screws removed.)
 - 23S-55-51970 Washer At 4 places --- Reuse the washers removed.
 - 01225-70616 Screw At 2 places --- Reuse the screws removed.
 - 421-09-31310 Cap At 2 places --- Reuse the washers removed.
 - 01224-40616 Screw At 2 places --- Reuse the screws removed.
- ② Inserting the inner lever knobs, install them to both of the LH side and RH side doors respectively.
- ③ Turning the inner lock knobs, install them to both of the LH side and RH side doors respectively.
- ④ Install the hand rails to both of the LH side and RH side doors respectively. (Using the following M10 bolts at 2 places. --- Reuse the bolts removed.)
 - 01455-41025 Bolts At 2 places --- Reuse the bolts removed.
 - 01643-71032 Washers At 2 places --- Reuse the washers removed.
 - 363-54-31450 Caps At 2 places --- Reuse the caps removed.

* Precautions when ascending into or descending from the operator's cab

- When ascending into or descending from the operator's cab, facing the machine, always hold at 3 places (with both legs and one hand or with both hands and one leg) or more of the handrail and the step to support the body securely.
- Do not ascending into or descend from the operator's cab holding the cab door opening outer handle.

