

PARTS & SERVICE NEWS

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DATE	July 23, 2001

(C)

SUBJECT: INTRODUCTION PARKING BRAKE WITH RESISTANCE TO WEAR DUE TO DIRT AND SAND.

PURPOSE: To introduce modification procedures to incorporate a newly developed means to improve the wear resistance against adhesion of mud and sand to the parking brake.

APPLICATION: WA600-3L Wheel Loader Serial Number A52001 thru A52191

FAILURE CODE: 2F14CC

DESCRIPTION:

1. Introduction

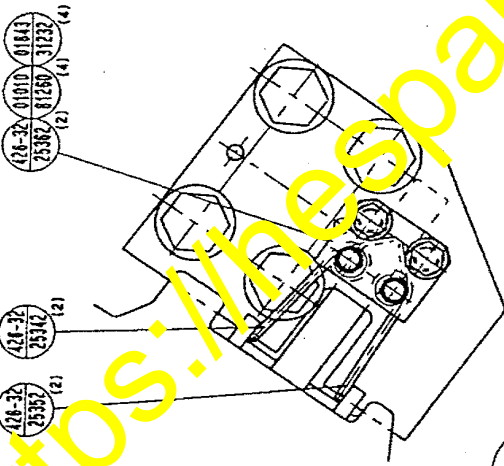
When the WA600-3 wheel loaders are used on work sites where mud and sand tend to adhere to the parking brake section, the brake pad wear is accelerated and it becomes necessary to adjust the brake more frequently.

This Service News introduces a new design that reduces wear of the pad even when mud and sand adhere to the parking brake section.

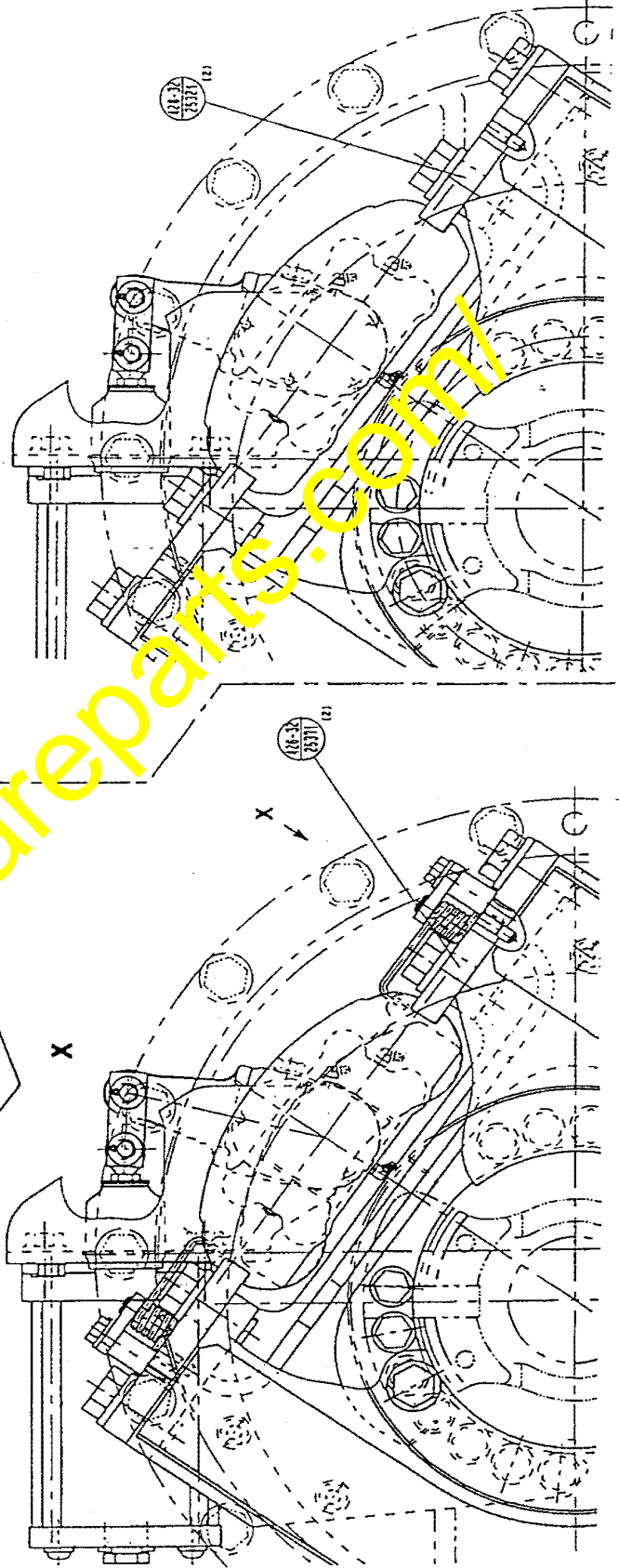
2. List of parts

PART NUMBER	PART NAME	QTY.	REMARKS
426-32-25371	Plate	2	
(426-32-25321)	(Plate)	(2)	
426-32-25342	Spring	2	
426-32-25352	Spring	2	
426-32-25362	Bracket	2	
01010-81260	Bolt	4	
01643-31232	Washer	4	
426-S99-2471 (426-S99-2470)	Tube (Tube)	1 (1)	Only for those machine which are equipped with the ECSS (Option)
175-21-12180	Pin	4	

Current structure



Contents of the modification
Supplement return spring to the brake pad.



<https://mespareparts.com/>

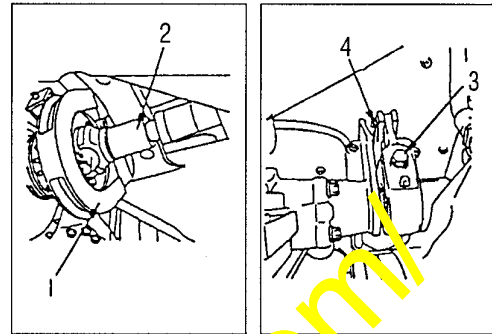
Installation Procedures

Removing the parking brake assembly

! Park the machine on level surface and lower the work equipment to touch the ground securely before inserting wedges underneath respective tires.

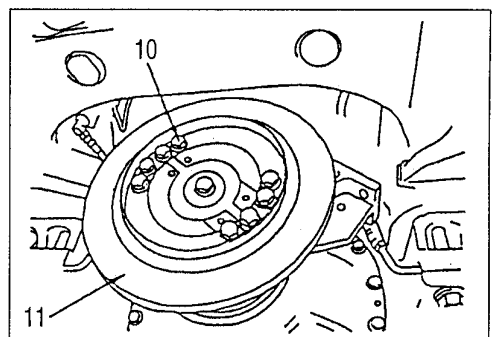
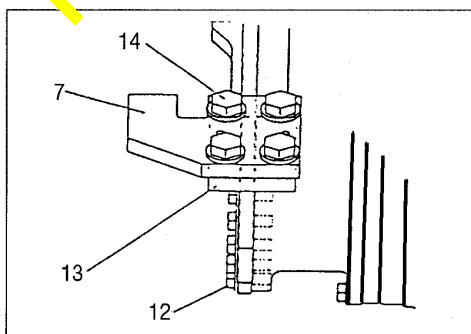
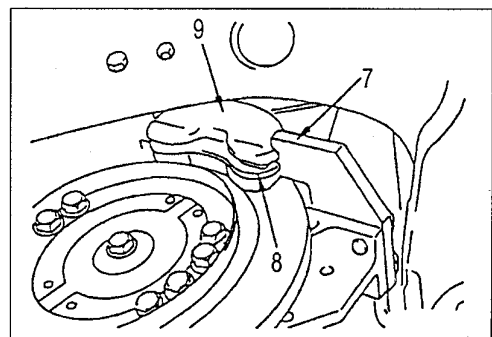
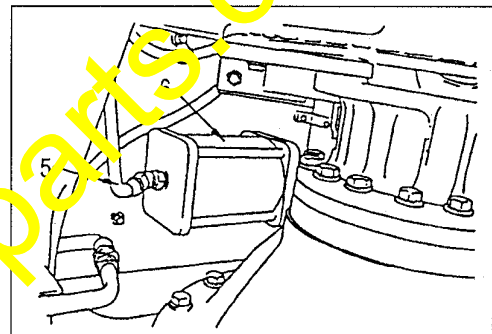
! Disconnect the negative terminal from the battery.

1. Remove the disc plate cover (1).
2. Disconnect the propeller shaft (2) **※1**
3. Turn the adjust bolt (3) counter-clockwise to enlarge the clearance between the brake pad and the brake disc. **※2**



 Drive Shaft: 20 kg (44 lbs)

4. Pull out to remove the connecting pin (4).
5. Disconnect the hose (5).
6. Remove the spring cylinder (6).
7. Remove the plate (7). **※3**
- ★ Fasten the caliper ass'y. in advance.
- ★ Since two knock pins are being installed, raise the caliper ass'y. slightly to remove them.
8. Remove the pad (8).
9. Remove the caliper assembly (9).
10. Remove the mounting bolts (10) to separate the disc (11).
11. Remove the mounting bolt (12) to separate the bracket (13). **※4**
12. Remove the mounting bolts (14) to separate the plate (7). **※5**




Installation procedures


Installing the parking brake assembly.

- Install the parking brake assembly in the reverse procedures to it's removal procedures.

★ At this time , install the plate (16) equipped with the springs (15) instead of the plate (7).

 **N·m** Mounting bolt: 824.0 - 1,030.0 Nm {84.0 - 105.0 kgm}


 **1**


 **N·m** Mounting bolt: 157 - 196 Nm {16 - 20 kgm}

 **2**


★ Adjust the clearance referring to the Section "Inspection and Adjustment of Parking Brake" in the Chapter, "Inspection and Adjustment" in the shop manual.


 **3**

 Mounting bolt: Apply adhesive (LT-2)


 **N·m** Mounting bolt: 824.0 - 1,030.0 Nm {84.0 - 105.0 kgm}

 **4**

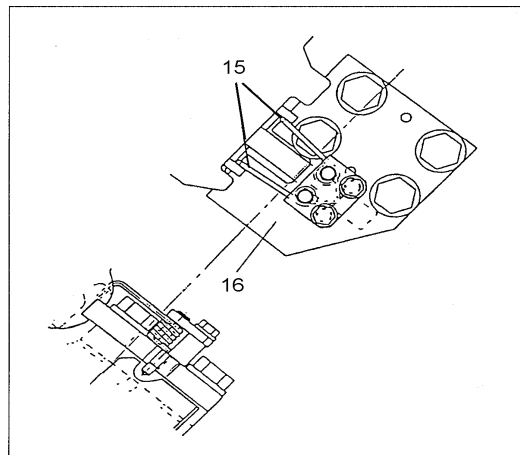
 Mounting bolt: Apply adhesive (LT-2)

 **N·m** Mounting bolt: 490.0 - 608.0 Nm {50 - 62 kgm}

 **5**

 Mounting bolt: Apply adhesive (LT-2).

 **N·m** Mounting bolt: 245 - 309 Nm {25 - 31.5 kgm}



Installation procedures

In case of machines equipped with the optional ECSS, replace the accumulator piping according to the instructions given in the schematic diagram indicated below before installing the parking brake assembly. This is to prevent occurrence of interference.

