

PARTS & SERVICE NEWS

REF NO.	AT03077
DATE	May 14, 2003

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SUBJECT: PARTS FOR BATTERY COVER IMPROVEMENT ON HM400-1

PURPOSE: To introduce improved parts to make it easy to open and close the battery cover on HM400-1 articulated dump trucks

APPLICATION: HM400-1 Articulated Dump Trucks, Serial Nos. 1001 thru 1031

FAILURE CODE: 5444ME

DESCRIPTION:

1. Introduction

With the HM400-1 articulated dump trucks, because of dispersions in adjustment of the battery cover lock, there can be cases where opening and closing of the battery cover may become difficult.

Therefore, this Service News will introduce the improved battery cover parts and replace the applicable parts following the procedure outlined in this document if necessary.

2. List of parts

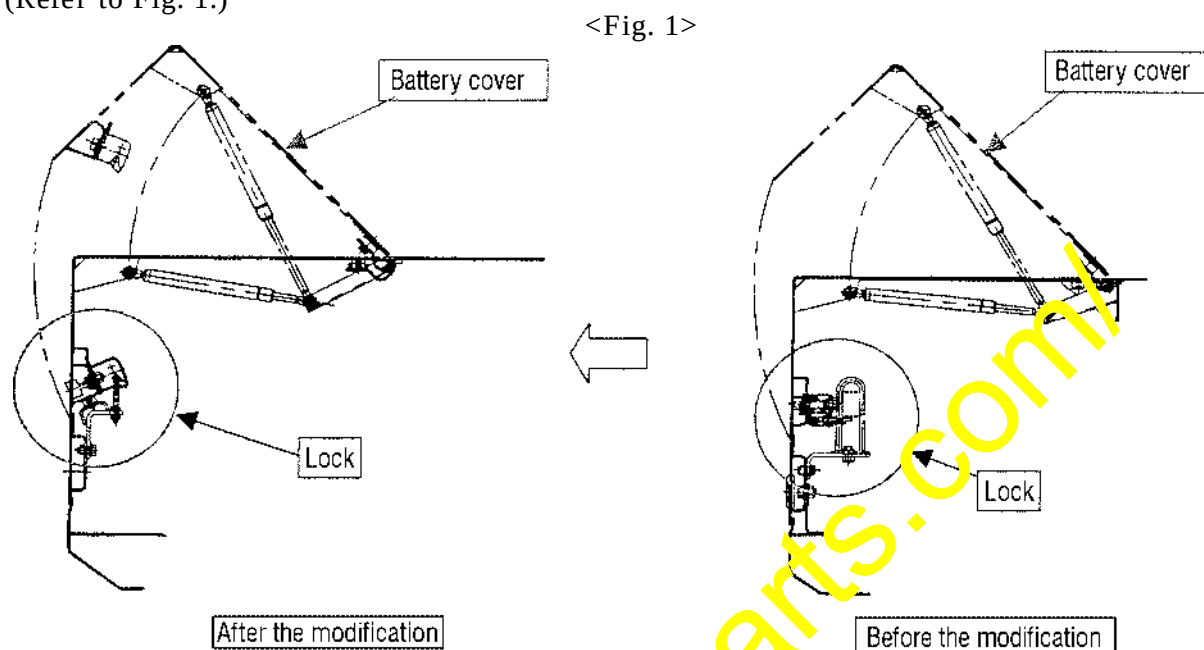
Part No.	Part Name	Q'ty	Remarks
56B-54-12525 (56B-54-12525)	Cover (Cover)	1 (1)	
56B-54-12536 (56B-54-12535)	Cover (Cover)	1 (1)	
56B-54-12591 (56B-54-12590)	Bracket (Bracket)	2 (2)	
56B-54-12643 (56B-54-12642)	Seal (Seal)	1 (1)	
56B-54-12661 (56B-54-12660)	Seal (Seal)	1 (1)	
56B-54-12952 (56B-54-12951)	Bracket (Bracket)	1 (1)	
56B-54-12A70	Plate	1	
56B-54-12670	Seal	1	
56D-54-12562	Bolt	1	
21U-54-21610 (23D-54-33260)	Lock ass'y (Lock ass'y)	1 (1)	
124-54-26540	Washer	8	
417-923-1210	Shim	12	

Part No.	Part Name	Q'ty	Remarks
14X-54-14251	Pin	2	
421-926-2950	Cushion	1	
09415-03614	Cap	5	
04050-13020	Pin	4	
01435-01230	Bolt	8	
01435-01016	Bolt	4	
01435-01020	Bolt	2	
01010-81025	Bolt	2	
01640-21016	Washer	4	
01643-31032	Washer	2	
01580-10806	Nut	4	
01643-50823	Washer	4	
01023-70416	Screw	1	
01640-20610	Washer	3	
568-54-12821	Rubber	1	
281-54-19610	Rubber	1	
428-T86-1310	Plate	1	

3. Details of the modification

The structure of the battery cover lock has been improved to prevent erroneous catching when releasing the lock to make it easy to open and close the battery cover.

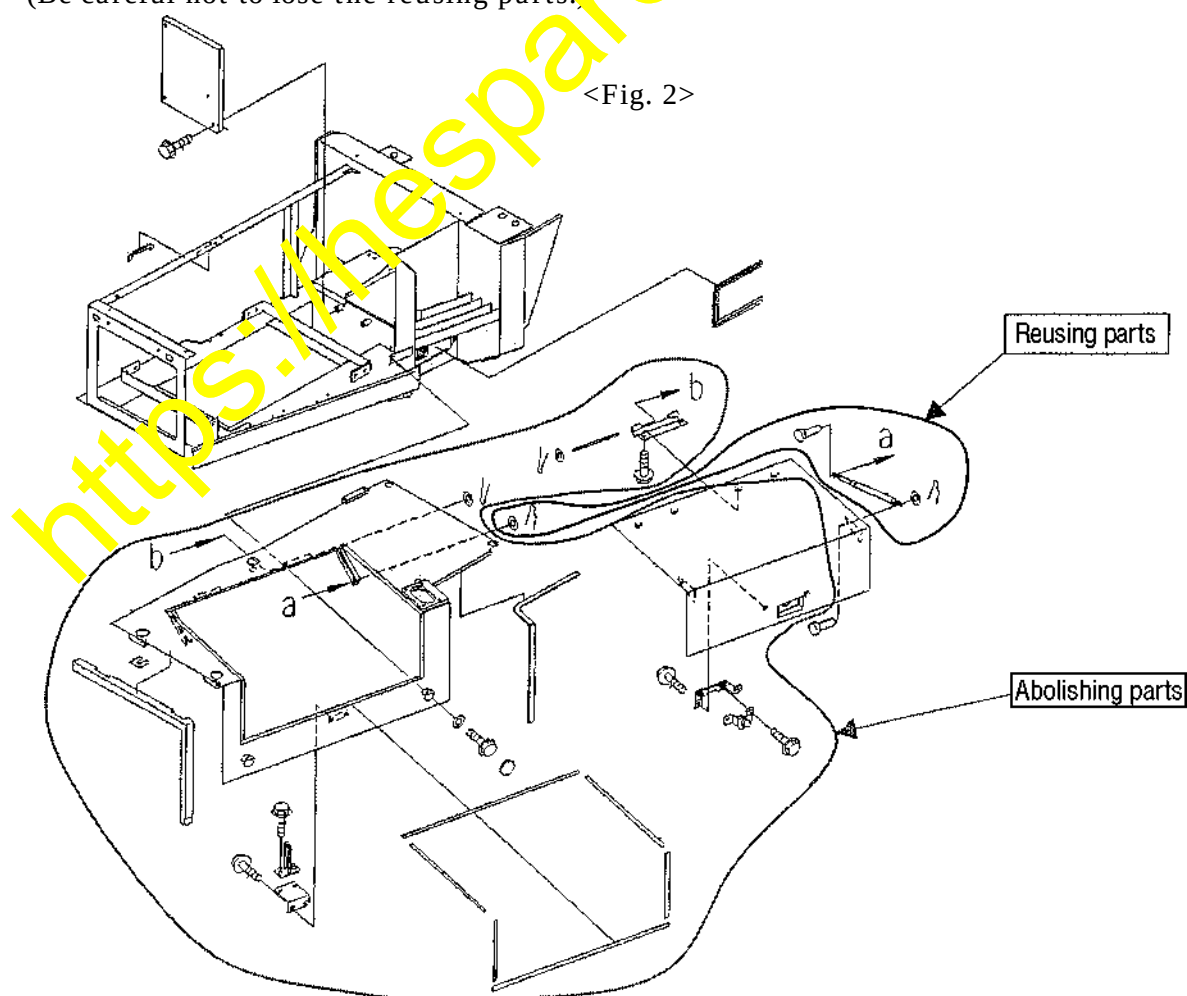
(Refer to Fig. 1.)



4. Disassembly and reassembly procedure

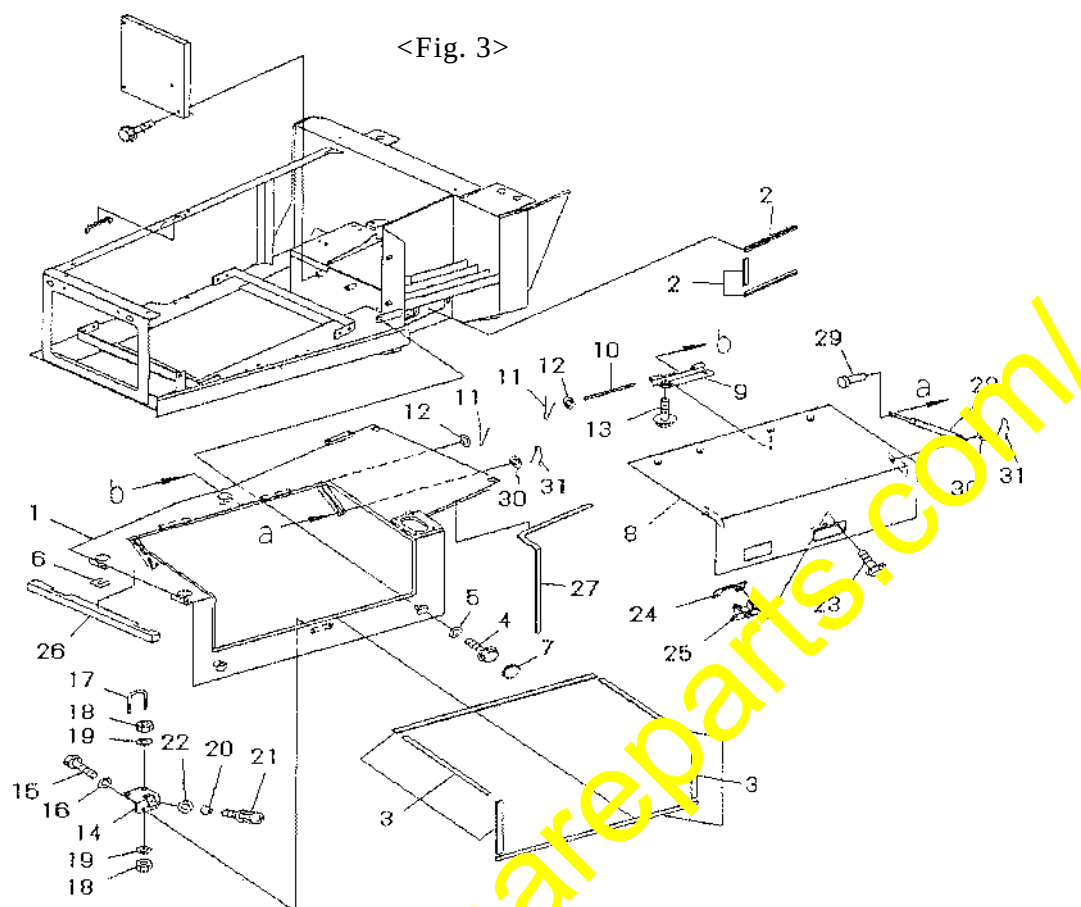
4-1. Remove the parts being indicated in Fig. 2 below.

(Be careful not to lose the reusing parts.)



4-2. Install the improved parts being indicated in Fig. 3 below.

(Those parts with the Index numbers 28 thru 31 are the reusing parts.)



<Parts to be prepared for the modification>

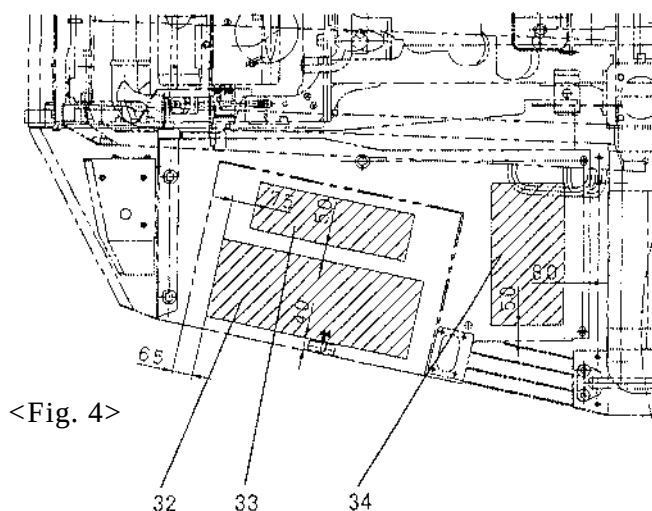
Index	Part No.	Part name	Q'ty
1	56B-54-12525	Cover	1
3	56B-54-12643	Seal	1
4	01435-01230	Bolt	8
5	124-54-26540	Washer	8
6	417-923-1210	Pin	12
7	09415-03614	Cap	5
8	56B-54-12536	Cover	1
9	56B-54-12591	Bracket	2
10	14X-54-14251	Pin	2
11	04050-13000	Pin	4
12	01640-20010	Washer	4
13	01435-01006	Bolt	4
14	56B-54-12952	Bracket	1
15	01010-01025	Bolt	2
16	01640-31032	Washer	2
17	56D-54-12562	Bolt	1
18	01580-10806	Nut	4
19	01643-50823	Washer	4
20	421-926-2950	Cushion	1
21	01023-70416	Screw	1
22	01640-20610	Washer	3
23	01435-01020	Bolt	2
24	56B-54-12A70	Plate	1
25	21U-54-51610	Lock ass'y	1
26	56B-54-12661	Seal	1
27	56B-54-12670	Seat	3
32	568-54-12821	Rubber	1
33	281-54-19610	Rubber	1
34	428-T86-1310	Plate	1

<Reusing parts>

Index	Part No.	Part name	Q'ty
28	417-54-21310	Gas spring	2
29	04205-10832	Pin	2
30	01641-20812	Washer	4
31	04052-10833	Pin	4

4-3. Paste the anti-slipping plates.

(Refer to Fig. 4.)



4-4. Refer to Fig. 5 below for the details of the assembly method for the lock section.

<Fig. 5>

