

# PARTS & SERVICE NEWS

REF NO.	AT04239
DATE	December 6, 2004

**SUBJECT:** REPAIR PROCEDURE FOR CRACKS ON UNDER-VIEW MIRROR STAY OR SIDE-VIEW MIRROR GUARD

**PURPOSE:** To inform field personnel.

**APPLICATION:** HM300-1: 1001-1223  
HM300TN-1: 1001-1002

**FAILURE CODE:** 5551HA

**DESCRIPTION:**

**Introduction**

With the HM300-1 articulated dump trucks, when cracks occur on the under-view mirror stay or on the side-view mirror guard, carry out the modification introduced in this Service News to repair the cracks.

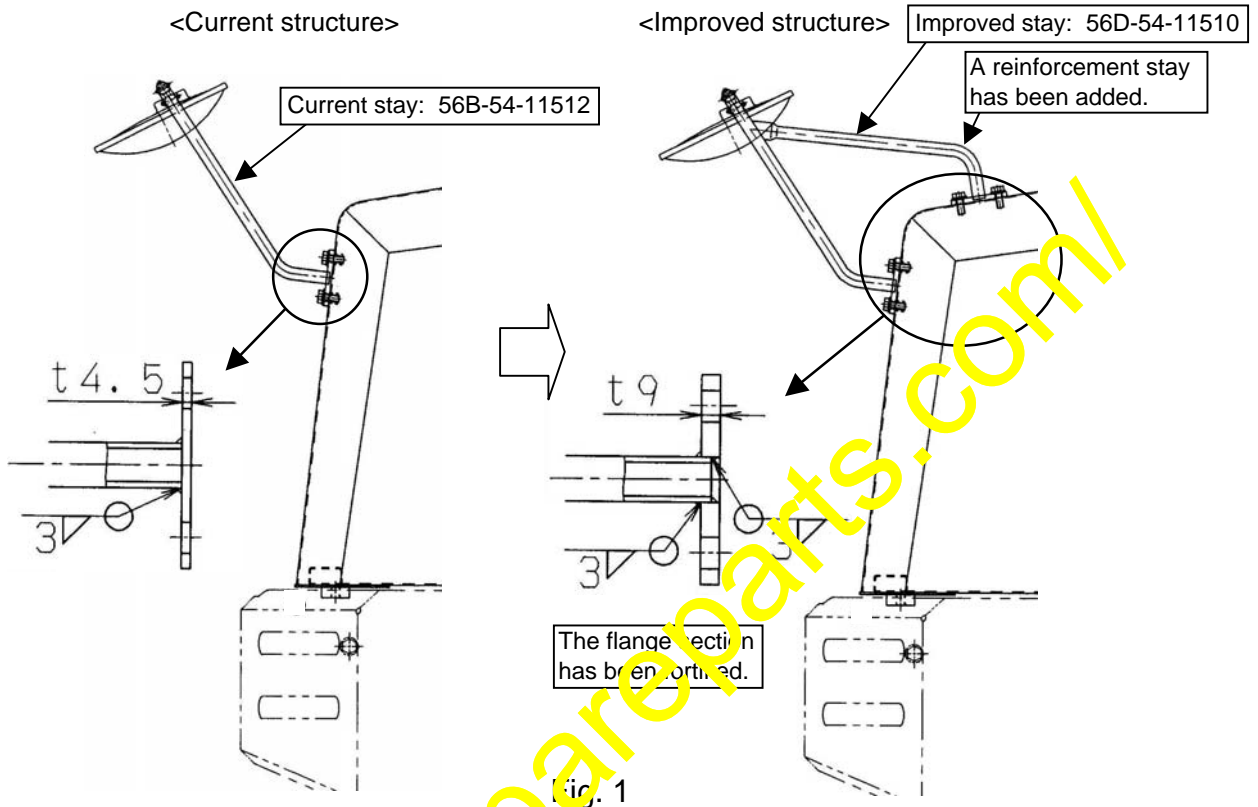
**List of Parts**

Part No.	Part Name	Purpose of Part	Qty	Remarks
54D-54-11510 (56B-54-11512)	Stay (Stay)	Replacement	1 (1)	Parts of the current part numbers can be used for the HM350 and HM400.
56B-54-17151 (56B-54-17150)	Guard, L.H. (Guard, L.H)	Replacement	1 (1)	
56B-54-17161 (56B-54-17160)	Guard, R.H. (Guard, R.H)	Replacement	1 (1)	
56D-99-13410	Plate	Addition	1	
56D-99-13420	Plate	Addition	1	
01010-31230	Bolt	Addition	4	
01643-31232	Washer	Addition	4	Including 2 pcs. of the spare modification parts

1. Details of the modification

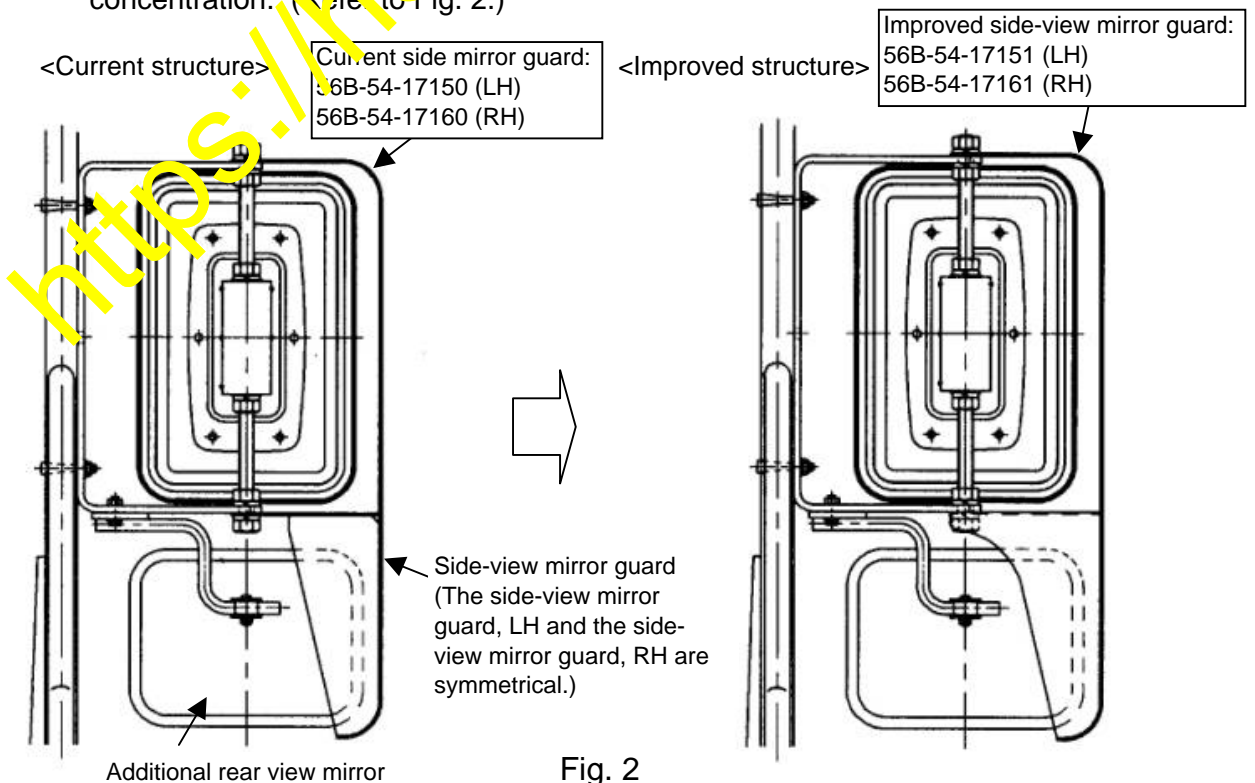
1-1. Improvement of the under-view mirror stay

A reinforcement stay has been added to improve the structure to restrict vibrations. At the same time, the flange section has been fortified to prevent occurrence of cracks. (Refer to Fig. 1.)



1-2. Improvement of the side-view mirror guard

The shape of the side-view mirror guard has been redesigned to guard the additional rear view mirror and improved to prevent occurrence of cracks caused by stress concentration. (Refer to Fig. 2.)



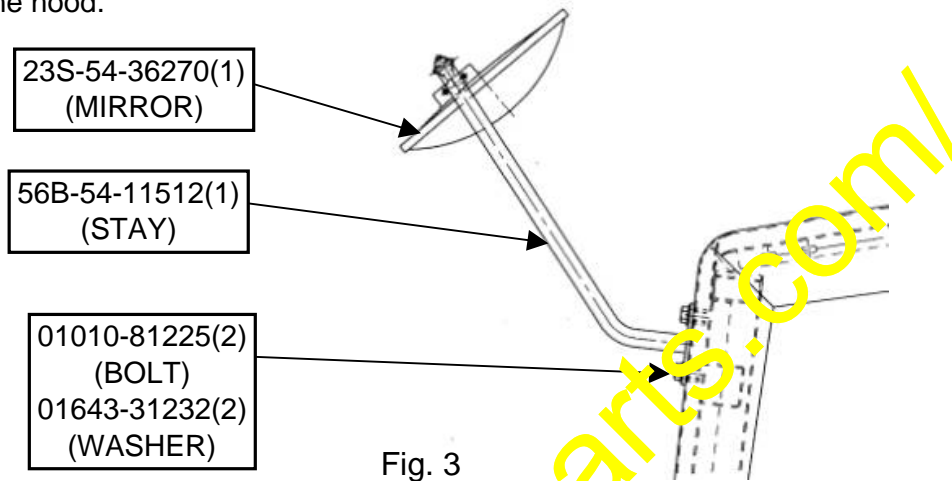
## 2. Preparations before starting the modification work

- 1) Park the vehicle on a flat place and apply chocks to the tires.
- 2) Prepare a touch up spray to use for corrective coating. (Coating color: Natural yellow)

## 3. Modification procedure

### 3-1. Removal of the under-view mirror and its stay (Refer to Fig. 3.)

Remove the under-view mirror (23S-54-36270) and the stay (56B-54-11512) from the engine hood.

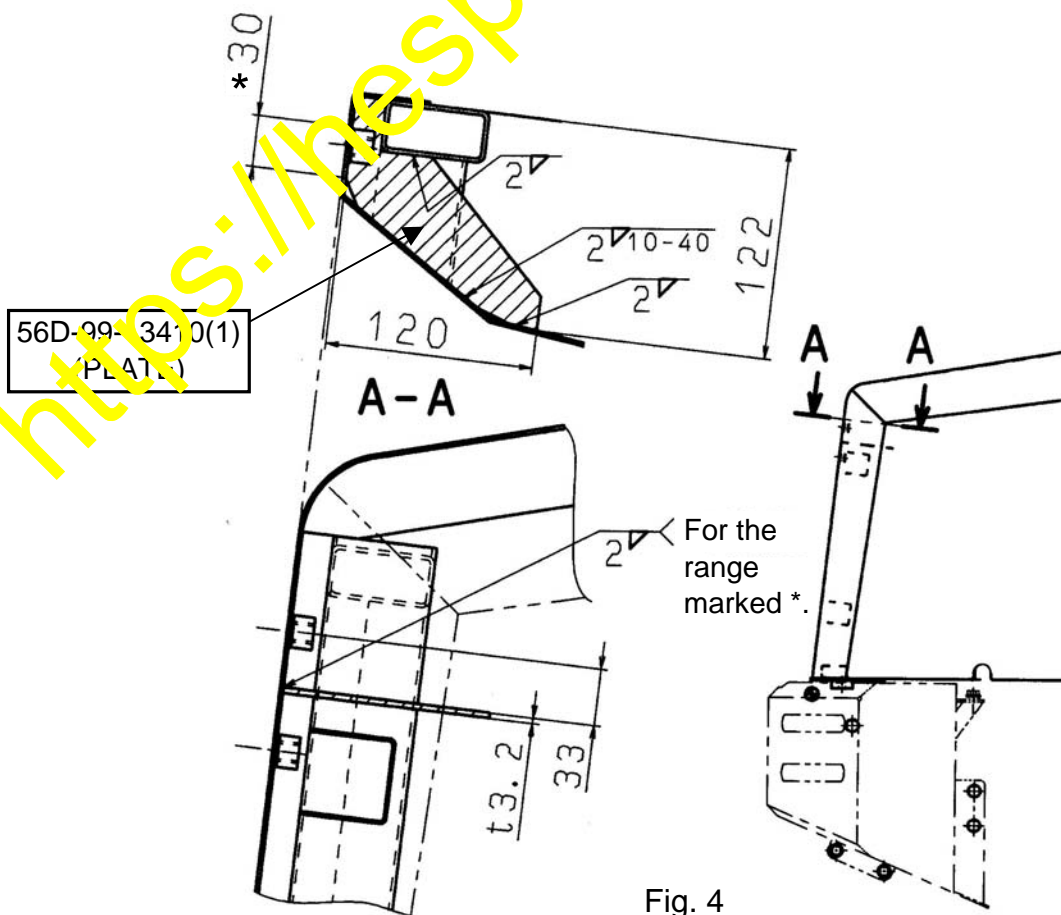


### 3-2. Reworking the engine hood

To install the improved under-view mirror stay, rework the engine hood.

#### 3-2-1. Reinforcement of the stay mounting surface

Weld the plate (56D-99-13410) following the instructions given in Fig. 4 to reinforce the stay mounting surface.



### 3-2-2. Welding the reinforcement stay mounting plate (Refer to Fig. 5.)

Weld the plate (56D-99-13420) following the instructions given in Fig. 5.

When reworking, it is recommended to make necessary positionings with the improved stay (56D-54-11510) in a temporarily installed state. (Refer to Fig. 6.)

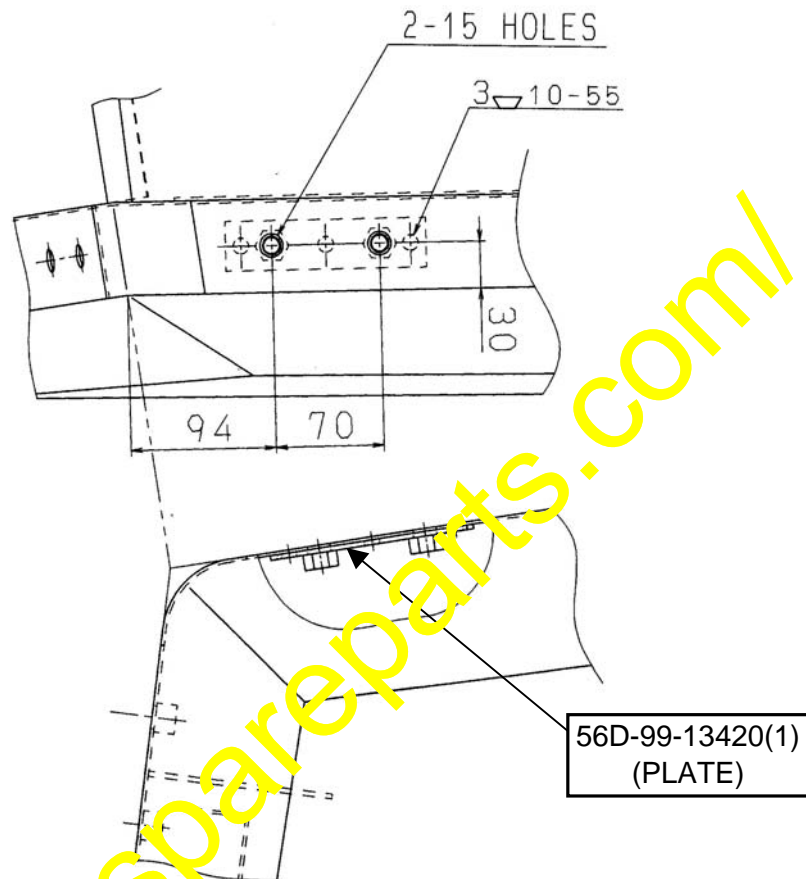


Fig. 5

### 3-2-3. Corrective coating

Paint the welded section by the above reworking using the prepared touch up spray.

### 3-3. Installation of the under-view mirror and its improved stay (Refer to Fig. 6.)

Install the under-view mirror (23S-54-36270) and its improved stay (56D-54-11510) according to Fig. 6.

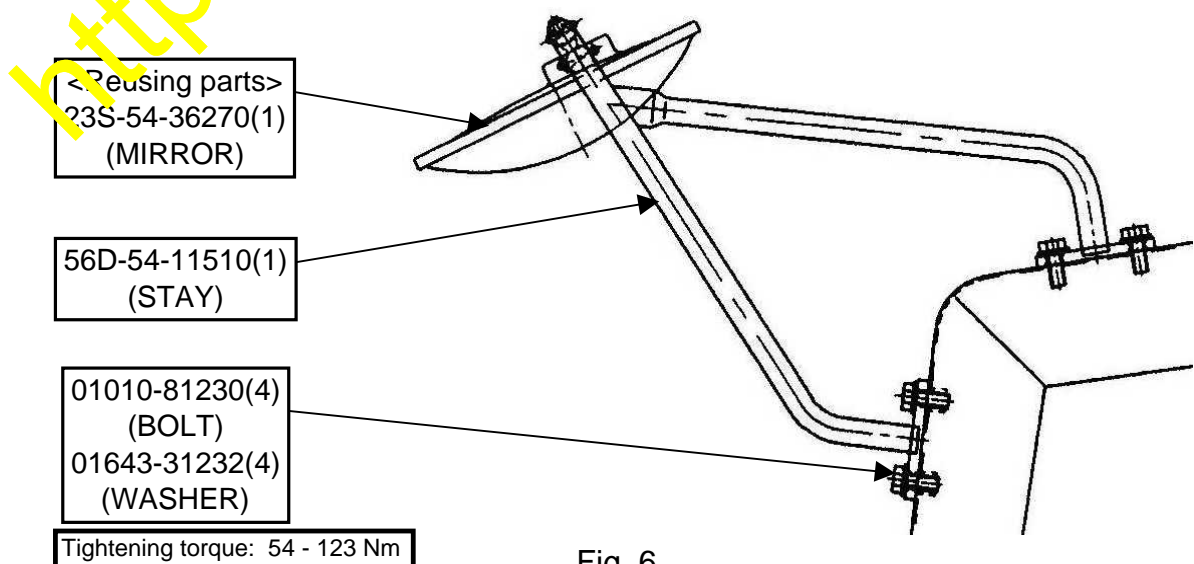


Fig. 6

## 3-4. Replacement of the side-view mirror guard (Refer to Fig. 7.)

Replace the side-view mirror guards, LH and RH, with the improved ones.

Side-view mirror guard, 56B-54-17150 → 56B-54-17151

Side-view mirror guard, 56B-54-17160 → 56B-54-17161

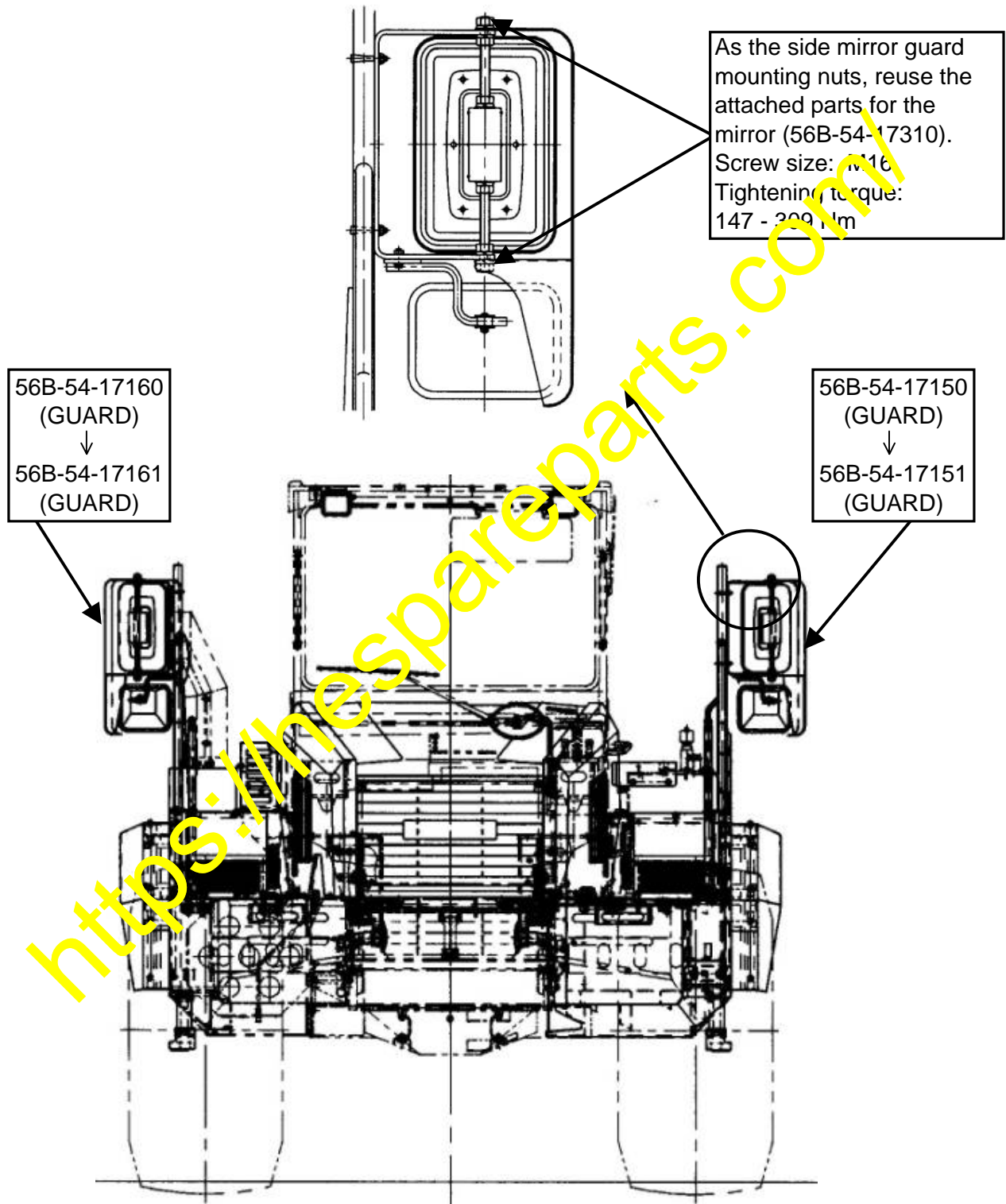


Fig. 7

The modification work has been completed by the above.