

PARTS & SERVICE NEWS

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SUBJECT: INTRODUCTION OF REINFORCED TYPE ENGINE UNDERGUARD ON HM350/400-1

PURPOSE: To introduce reinforced type engine under-guard for use on HM350-1 and HM400-1 dump trucks.

APPLICATION: HM350-1 Articulated Dump Trucks, Serial Nos.1001 and up
HM400-1 Articulated Dump Trucks, Serial Nos.1001 and up

FAILURE CODE: 5481EA

DESCRIPTION:

1. Introduction

When the HM350-1 and HM400-1 dump trucks are used on work sites on soft soil containing rocks or on work sites where deep ruts are remaining on which the under-guard may touch the ground surface, the lattice section of the under-guard may be deformed.

This Service News will introduce reinforced type under-guard which has been newly developed for use on vehicles being used on work sites of the aforementioned types.

2. List of parts

Part No.	Part Name	Q'ty	Remarks
56B-54-18510 (56B-54-18113)	Guard (Guard)	1 (1)	
56B-54-18520 (56B-54-18120)	Cover (Cover)	1 (1)	
56B-54-18530 (56B-54-18161)	Plate (Plate)	2 (2)	For exclusive use on the HM400
56B-54-18540 (56B-54-18180)	Cover (Cover)	1 (1)	For exclusive use on the HM400
01010-81265	Bolt	2	For exclusive use on the HM400
01643-31232	Washer	2	
01010-81240	Bolt	2	For exclusive use on the HM350
56C-54-18161 (56C-54-18160)	Plate (Plate)	2 (2)	For exclusive use on the HM350
56C-54-18181 (56C-54-18180)	Cover (Cover)	1 (1)	For exclusive use on the HM350

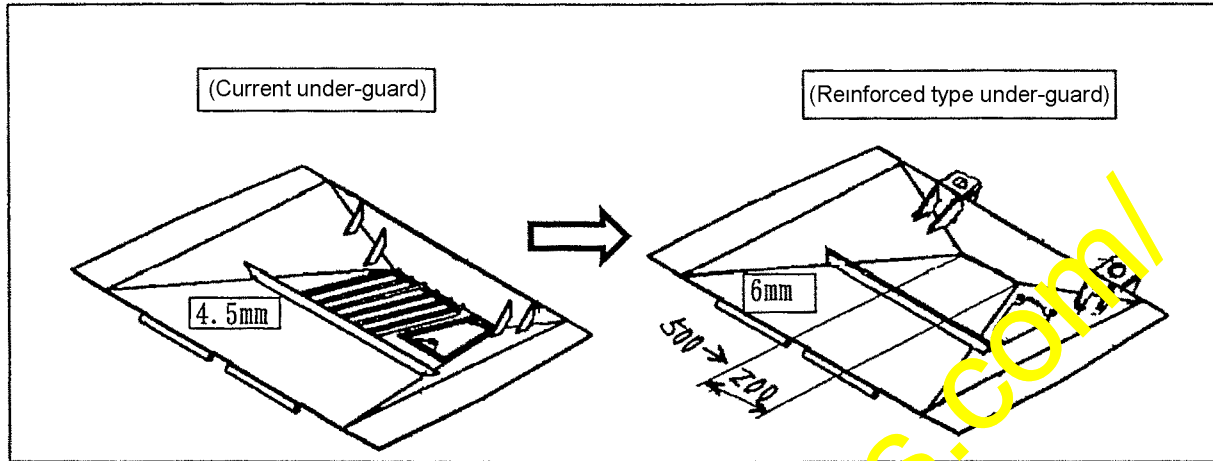
2. Contents of the improvement

2-1. Plate thickness has been increased.

4.5 mm → 6 mm

2-2. The lattice section to drop mud and sand has been canceled.

2-3. The height above the ground has been increased by a change of the shape.



3. Modification procedure

3-1. Park the vehicle on a flat place and apply chocks underneath the tires.

3-2. Mounting parts for the new and current under-guards are interchangeable.

3-3. Loosen the mounting bolts (M12 × 2 bolts) being used to secure the rear section of the current under-guard and turn the under-guard down.

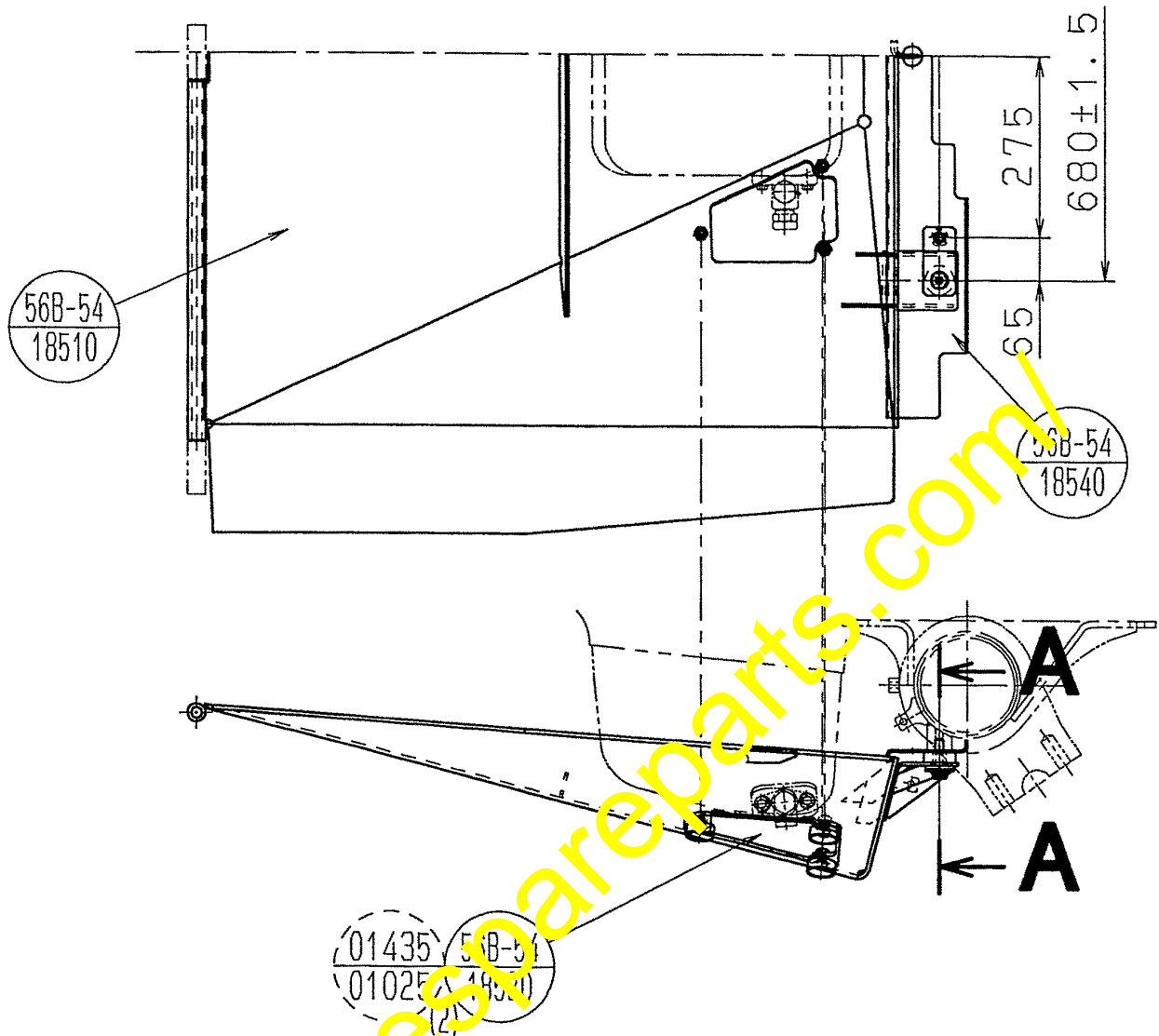
In case large quantity of mud and sand are accumulating on the under-guard, since the total weight of the under-guard is very heavy, place lumber materials, etc. on the ground to prevent occurrence of a crush of the under-guard against the ground surface by a harsh turn.

3-4. Remove the front pin.

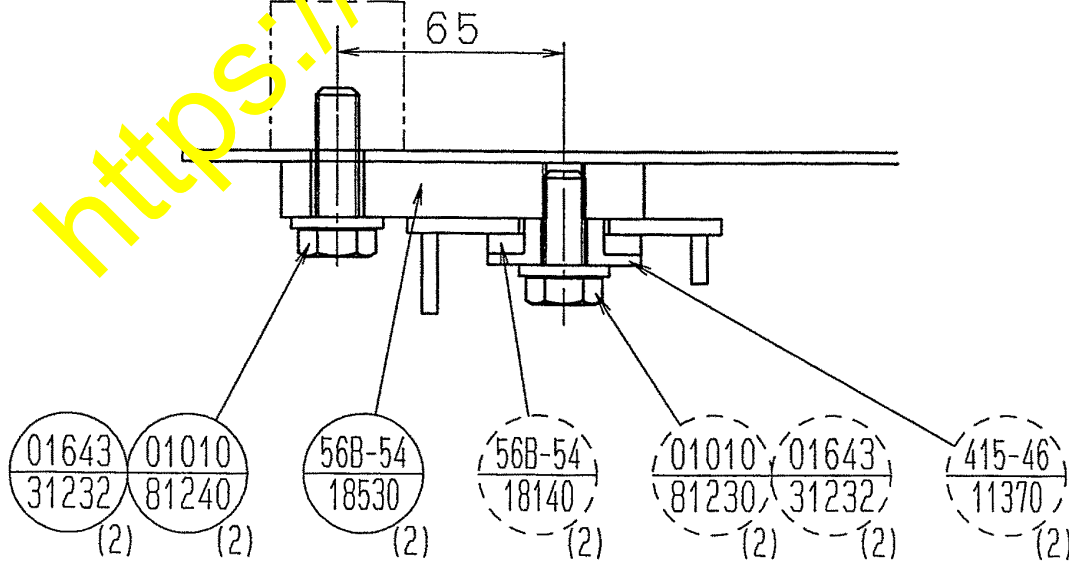
3-5. In a similar way, insert the front pin to the reinforced type under-guard to fasten it to its position and tighten the mounting bolts to secure the rear section of the under-guard.

3-6. Install the cover for the service hole to drain engine oil.

3-7. Refer to the next page for details.



The solid lined parts are the newly prepared parts.
The broken lined parts are reusing parts.



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