

# PARTS & SERVICE NEWS

REF NO.	AT03074B
DATE	Sep. 9, 2003
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This PARTS & SERVICE NEWS supersedes the previous issue No. AT03074A dated Jun. 5, 2003 which should be discarded.

**SUBJECT:** DIVISIBLE RESIN FRONT FENDER AND MUD GUARD FOR FRONT FENDER ON HM350-1, 400-1

**PURPOSE:** To introduce newly registered resin made front fender and the mud guard for use on HM350-1 and HM400-1 articulated dump trucks

**APPLICATION:** HM350-1 Articulated Dump Trucks, Serial Nos. 1001 thru 1003  
1005 thru 1008  
1010 thru 1077, 1079  
HM400-1 Articulated Dump Trucks, Serial Nos. 1001 thru 1003  
1005 thru 1008  
1010 thru 1042


**FAILURE CODE:** 5431HA

## DESCRIPTION:

### 1-1. Introduction



The resin made fender and the mud guard may be damaged while the HM350-1 and HM400-1 articulated dump trucks are traveling on soft ground.

In the above case, implement the modification being introduced in this Service News to repair the damaged fender and mud guard.

 Moreover, although the manufacture has halted old parts production for the guard, 56B-54-12781 (left) and 56B-54-12791 (right), it can be mounted on the vehicle by combining new parts. Therefore, KOMATSU will introduce that interchangeability on mounting in this Service News.

<Old part number>	<Combination of corresponding new part number>
For left : 56B-54-12781	⇒ Combination of new part numbers which are marked ※L in the Remarks section on the list of parts
For right : 56B-54-12791	⇒ Combination of new part numbers which are marked ※R in the Remarks section on the list of parts

### 1-2. Revised places:

2 places 	Jun. 5, 2003	The error in writing of part Nos. was corrected.
25 places 	Sep. 9, 2003	Addition of interchangeability due to manufacture's halt in old parts production

## 2. List of parts

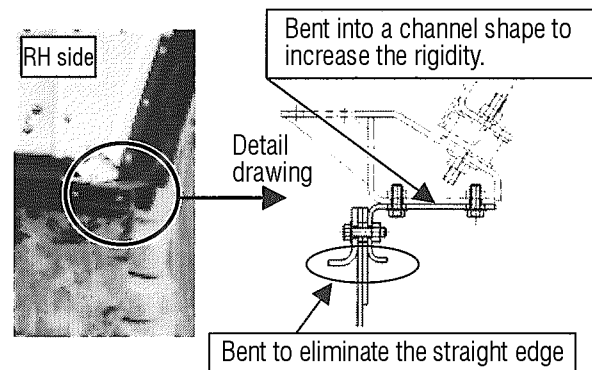
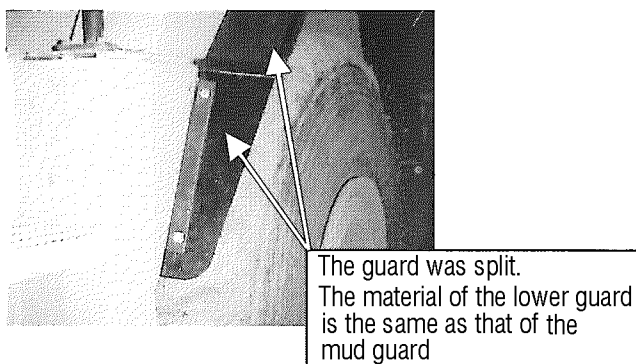
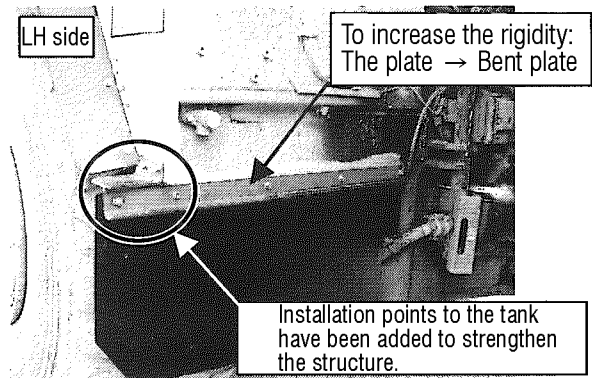
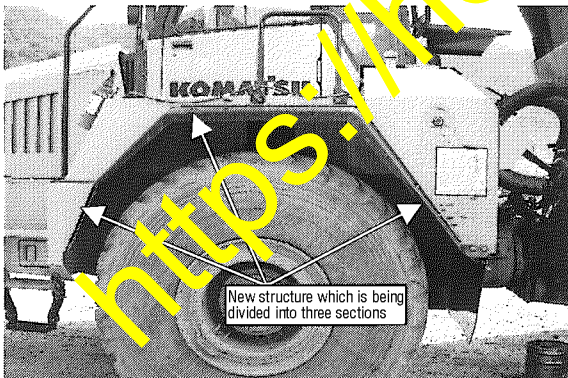
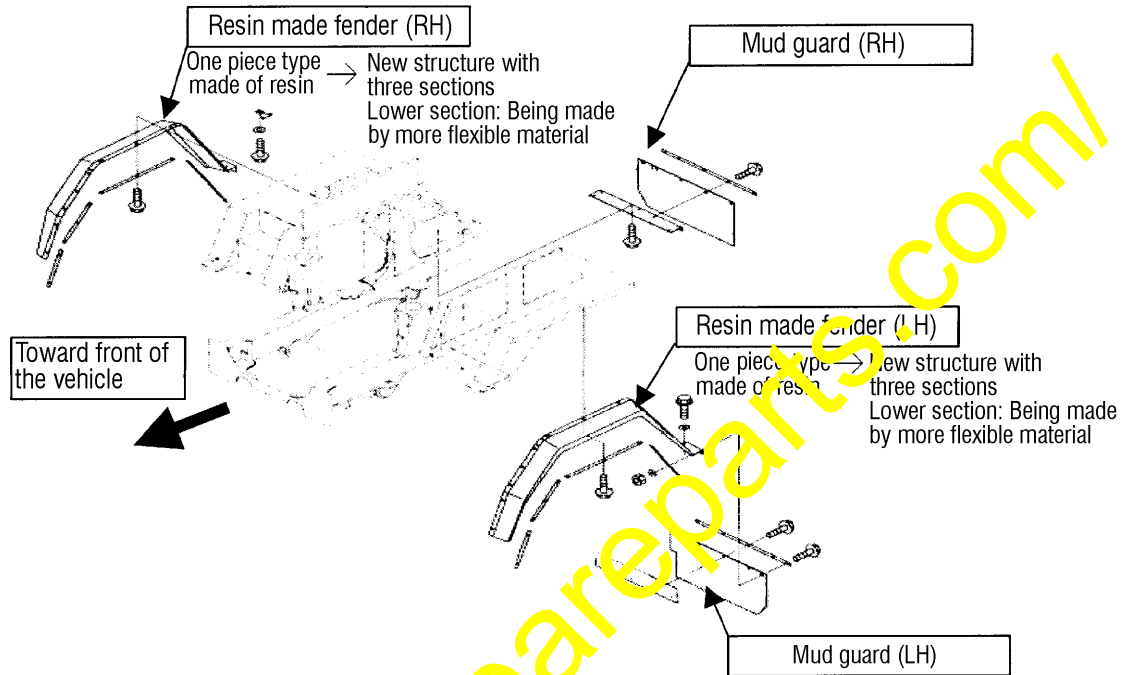
Part No.	Part Name	Q'ty	Remarks
56B-54-12782 (56B-54-12781)	Guard (Guard)	1 (1)	※L <u>A</u>
56B-54-17410	Bracket	1	※L <u>A</u>
01435-01025 (01435-01025)	Bolt (Bolt)	3 (3)	The current parts can also be reused.
56B-54-17420 (56B-54-12390)	Bracket (Bracket)	1 (1)	※L <u>A</u>
01435-01025 (01435-01025)	Bolt (Bolt)	2 (2)	The current parts can also be reused.
56B-54-17430	Guard	1	※L <u>A</u>
56B-54-17440	Bracket	1	※L <u>A</u>
01435-01020	Bolt	2	
56B-54-12490 (56B-54-12490)	Plate (Plate)	1 (1)	※L <u>A</u>
01435-01025 (01435-01025)	Bolt (Bolt)	2 (2)	The current parts can also be reused. ※L <u>A</u>
56B-54-17450	Guard	1	※L <u>A</u>
56B-54-17460	Bracket	1	※L <u>A</u>
01435-01020 (01435-01025)	Bolt (Bolt)	2 (2)	
56B-54-12331 (56B-54-12331)	Plate (Plate)	1 (1)	The current parts can also be reused. ※L <u>A</u>
01435-01025	Bolt	3	※L <u>A</u>
56B-54-12792 (56B-54-12791)	Guard (Guard)	1 (1)	※R <u>A</u>
56B-54-17410	Bracket	1	※R <u>A</u>
01435-01025 (01435-01025)	Bolt (Bolt)	3 (3)	The current parts can also be reused.
56B-54-17470 (56B-54-12351)	Bracket (Bracket)	1 (1)	※R <u>A</u>
01435-01025 (01435-01025)	Bolt (Bolt)	2 (2)	The current parts can also be reused.
56B-54-17430	Guard	1	※R <u>A</u>
56B-54-17440	Bracket	1	※R <u>A</u>
01435-01020	Bolt	2	

Part No.	Part Name	Q'ty	Remarks
56B-54-12490 (56B-54-12490)	Plate (Plate)	1 (1)	} The current parts can also be reused.
01435-01025 (01435-01025)	Bolt (Bolt)	2 (2)	
$\triangle$ <del>56B-54-11480</del>	Guard	1	※R $\triangle$
$\triangle$ <del>56B-54-11490</del>	Bracket	1	※R $\triangle$
01435-01020	Bolt	1	
56B-54-12331 (56B-54-12331)	Plate (Plate)	1 (1)	The current parts can also be reused. ※R $\triangle$
01435-01025	Bolt	3	※R $\triangle$
417-43-16210 (417-43-16210)	Washer (Washer)	1 (1)	} The current parts can also be reused.
01435-01025 (01435-01025)	Bolt (Bolt)	1 (1)	
01580-01210	Nut	2	For additional working of the tank (Welding parts)
56B-54-17510 (56B-54-12382)	Bracket (Bracket)	1 (1)	
56B-54-17520	Guard	1	
56B-54-12413 (56B-54-12413)	Guard (Guard)	1 (1)	The current parts can also be reused.
56B-54-17530 (417-43-16210)	Bracket (Bracket)	1 (1)	
01435-01030 (01435-01030)	Bolt (Bolt)	5 (5)	The current parts can also be reused.
01435-01230	Bolt	2	
<del>56B-54-12921</del> <del>56B-54-12920</del>	Bracket (Bracket)	1 (1)	
01435-01025 (01435-01025)	Bolt (Bolt)	6 (6)	The current parts can also be reused.
56B-54-12383 (56B-54-12382)	Bracket (Bracket)	1 (1)	
56B-54-12441 (56B-54-12441)	Guard (Guard)	1 (1)	The current parts can also be reused.
56B-54-17520	Guard	1	
01435-01030 (01435-01030)	Bolt (Bolt)	5 (5)	The current parts can also be reused.

### 3. Details of the modification

#### 3-1. Modification of the resin made fender and mud guard

- The structure of the resin made fender has been changed to the new structure which divides the fender into three sections to make the lower guard section which is closer to the ground surface has been made more flexible.  
(Using the same material as that of the mud guard)
- The mud guard mounting plate and the holding plate positioned behind the tire have been bent to eliminate the straight edges, thus the rigidity has been increased.

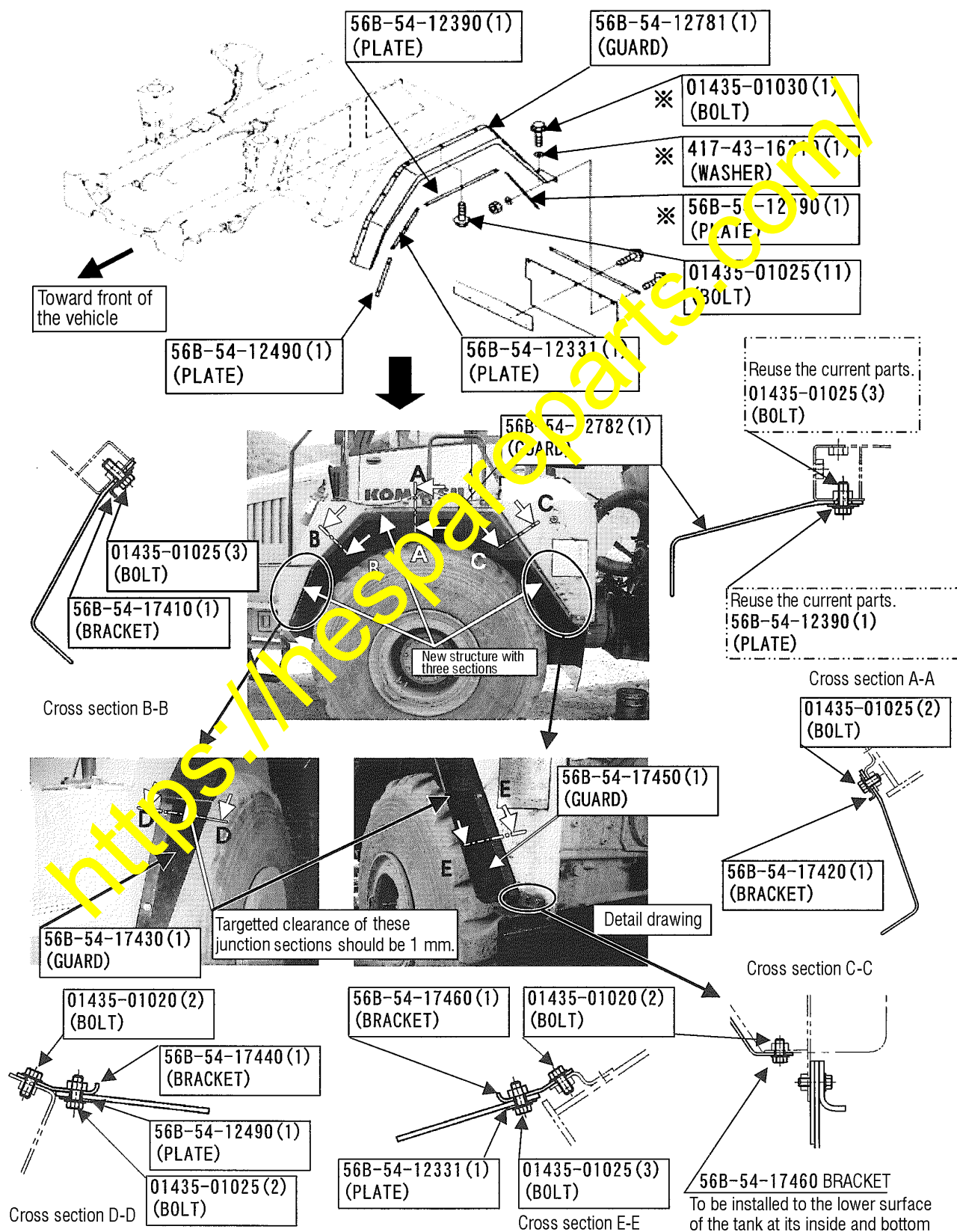


4. Replacement procedure

Park the vehicle on a flat place, stop the engine and apply chocks to the tires.

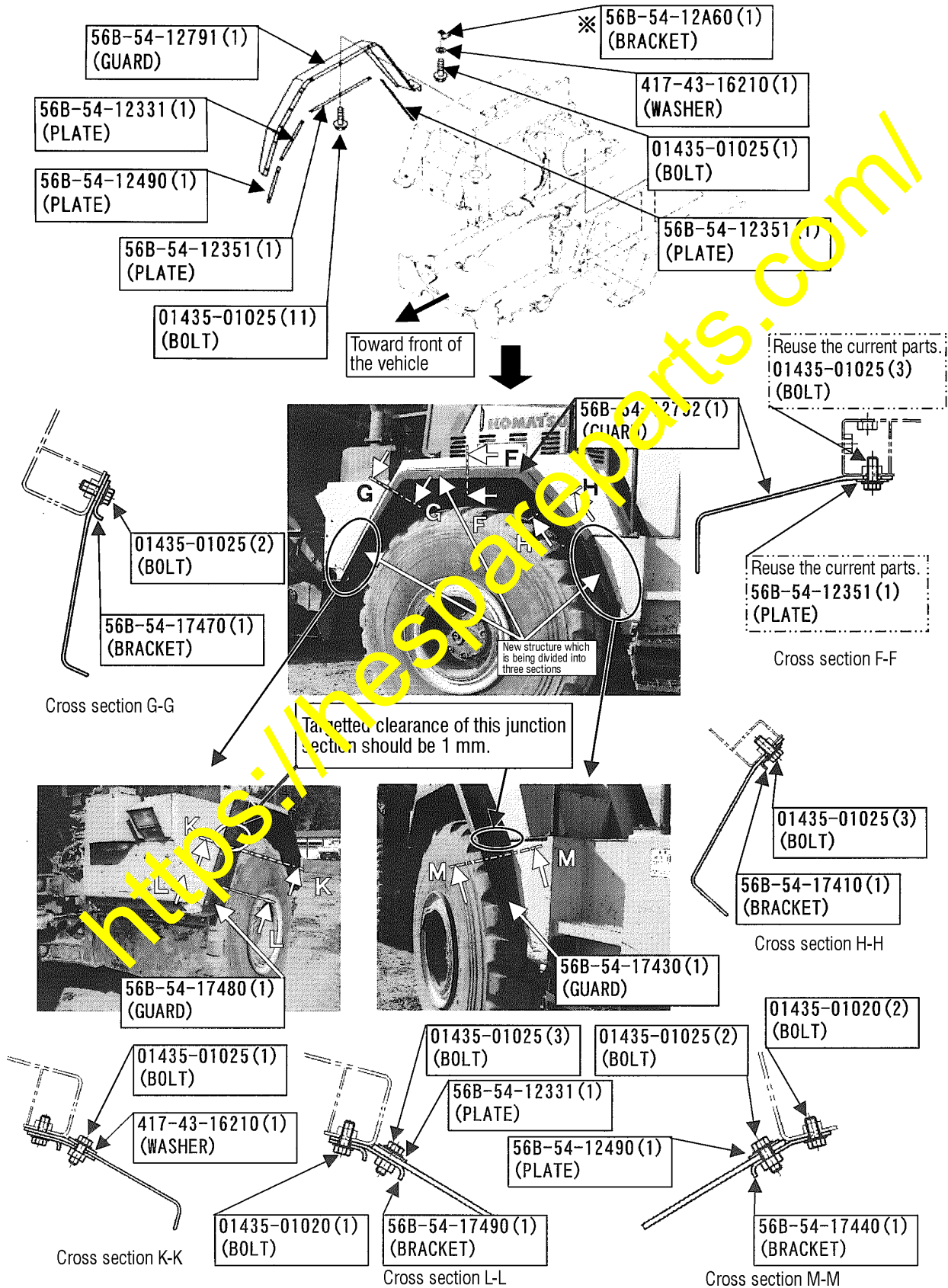
4-1. LH fender

- 1) Remove the current resin made fender (56B-54-12781) and the related plates, bolts, etc.
- 2) Referring to the drawing shown below, install the new fender (56B-54-12782).  
Except for the parts which are marked ※, all other parts can be reused.



4-2. RH fender

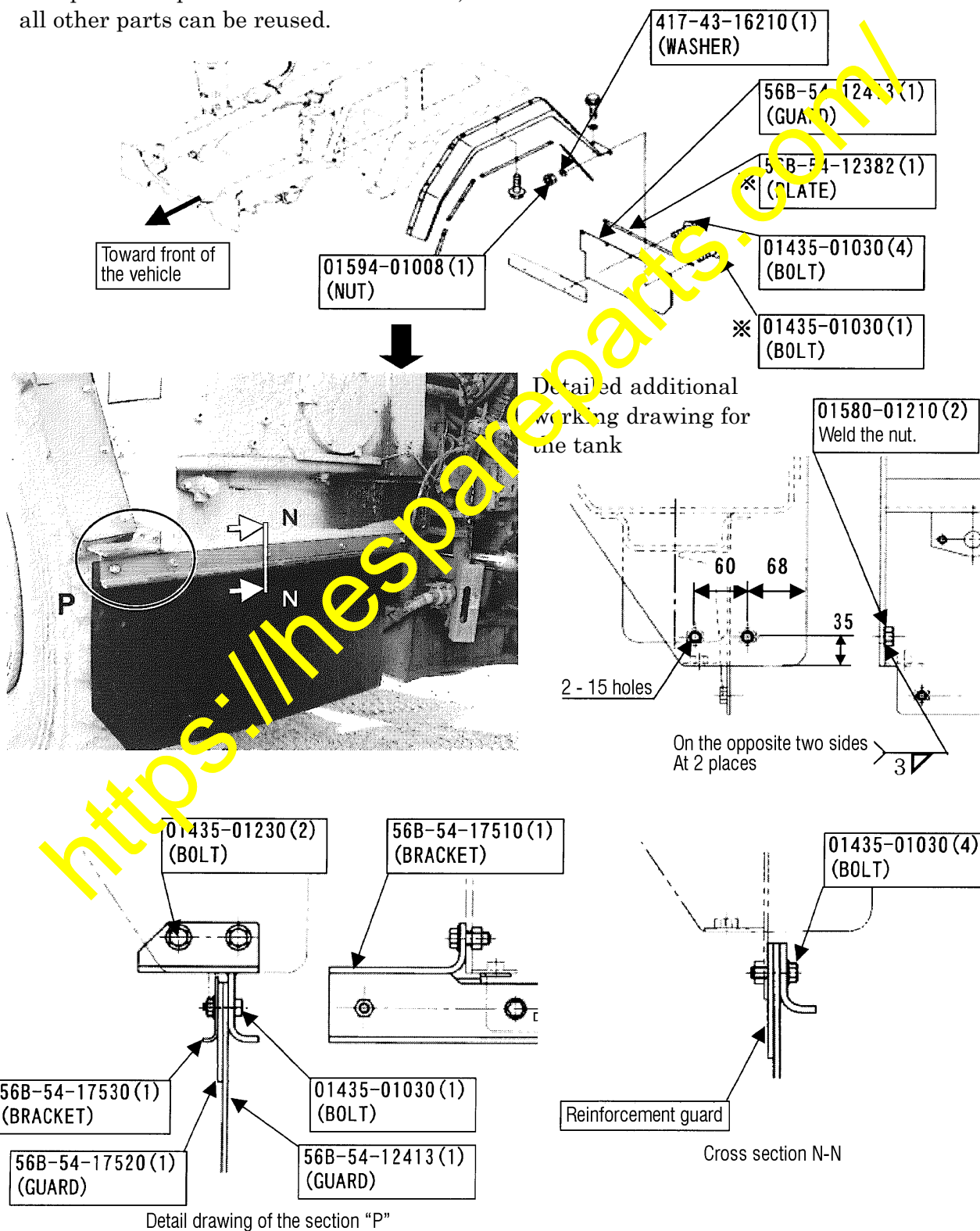
- 1) Remove the current resin made fender (56B-54-12791) and the related plates, bolts, etc.
- 2) Referring to the drawing shown below, install the new fender (56B-54-12792). Except for the parts which are marked ※, all other parts can be reused.



4-3. Mud guard (LH)

- 1) Remove the holding plate (56B-54-12382) and the mud guard (56B-54-12413).
  - 2) Drill holes in the mud guard mounting section of the tank as per the instructions given in the detailed additional working drawing for the tank and weld the nut (01580-01211).
  - 3) Install the new improved parts with strengthened structures. (Refer to the drawing shown below.)
- (It is not necessary to replace the mud guard (56B-54-12413) if it is still usable.)

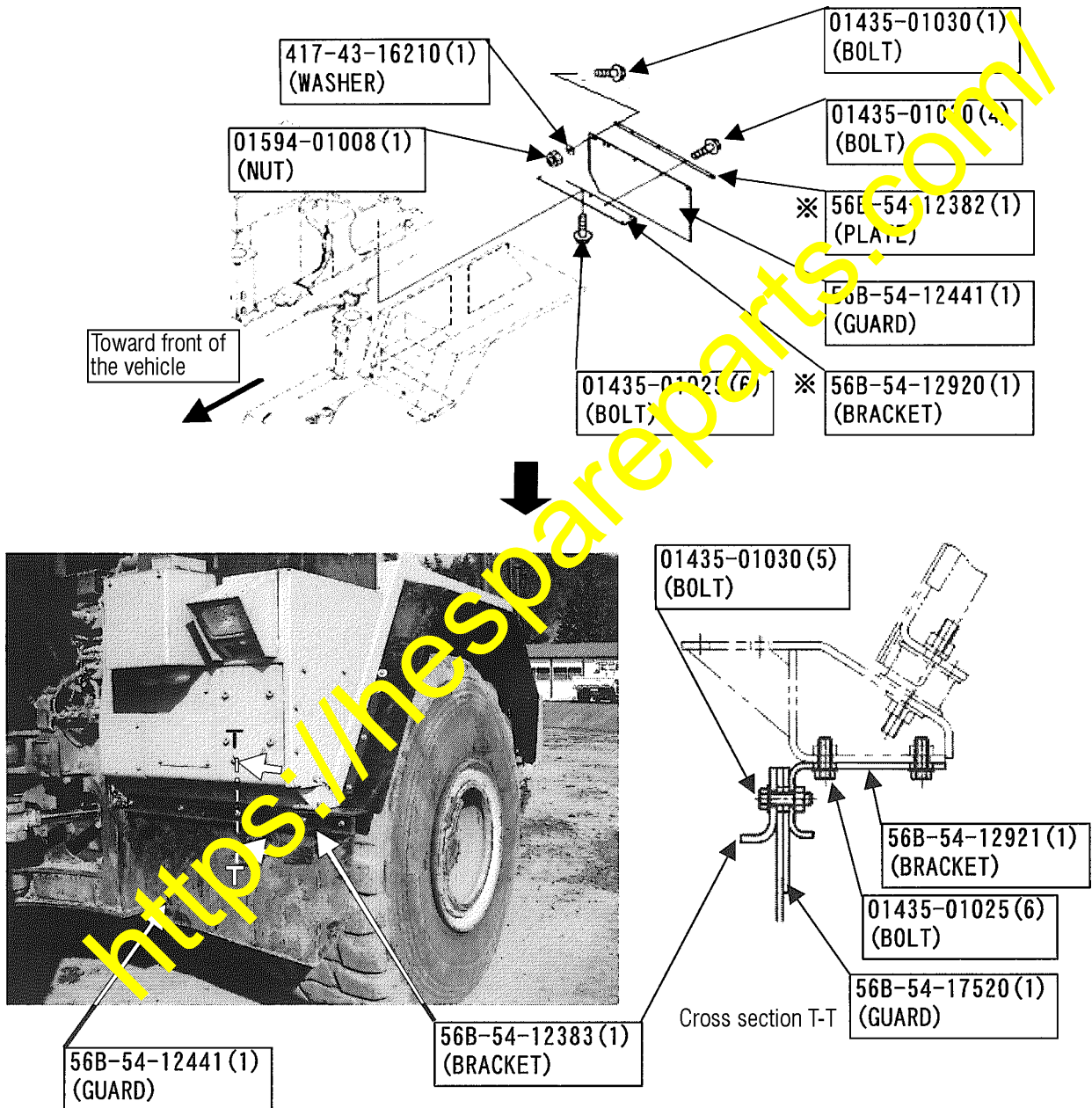
Except for the parts which are marked ※, all other parts can be reused.



4-4. Mud guard (RH)

- 1) Remove the bracket (56B-54-12920) and the mud guard (56B-54-12441).
- 2) Remove the bracket (56B-54-12A60).
- 3) Install the new improved parts with strengthened structures. (Refer to the drawing shown below.)  
(It is not necessary to replace the mud guard (56B-54-12441) if it is still usable.)

Except for the parts which are marked ※, all other parts can be reused.

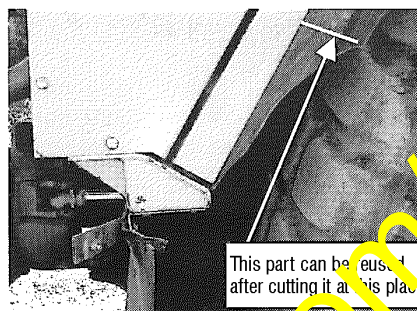
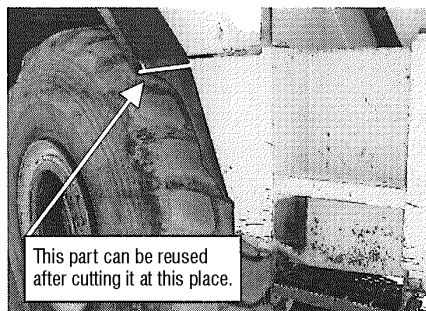




5. Additional working procedure for the parts

In case the damages of the parts shown below are light (the degree indicated by the photograph shown below), these parts can be reused after making additional working.  
(Refer to the additional working drawing for the detailed dimensions.)

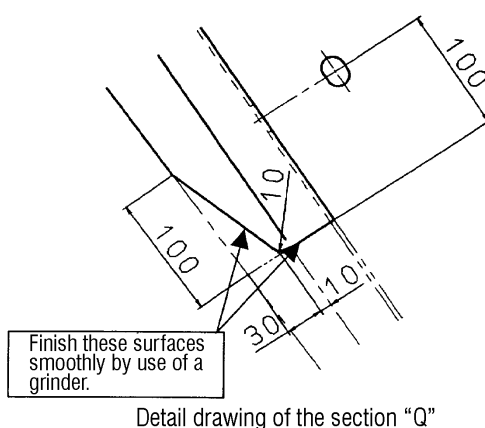
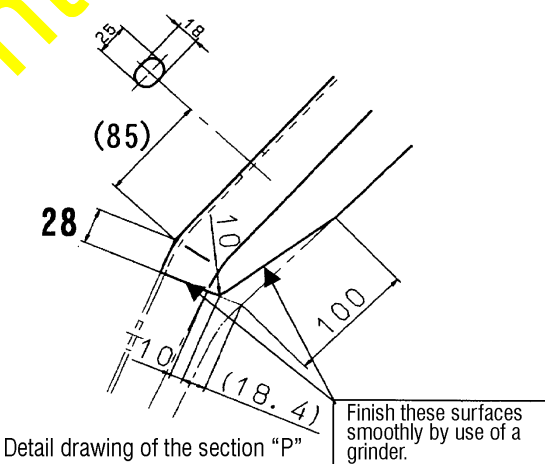
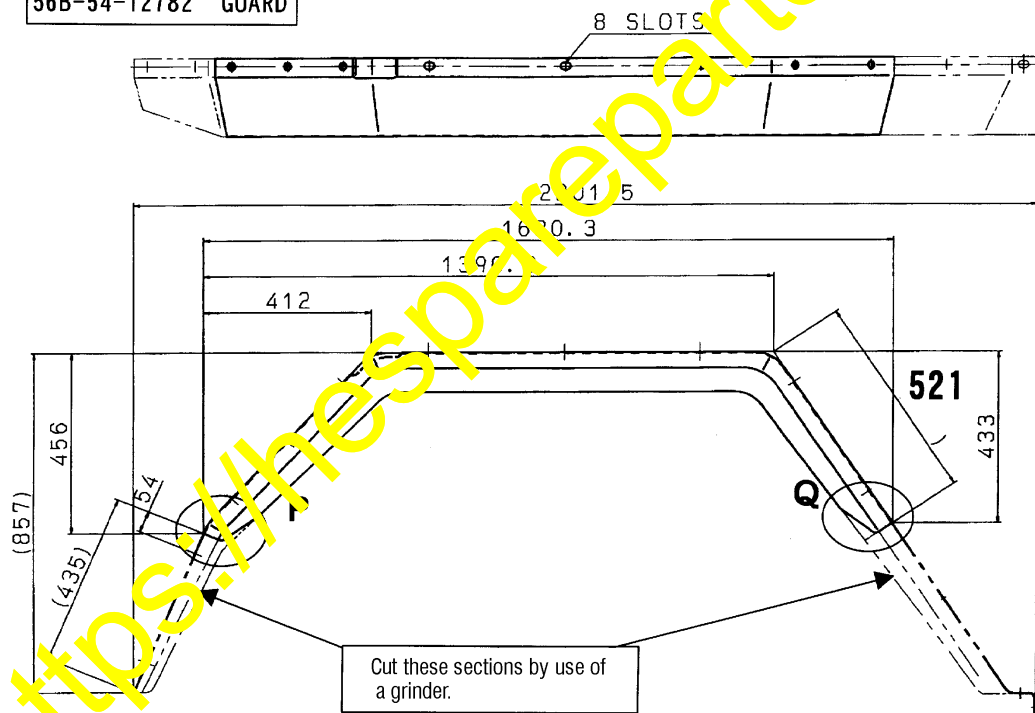
If the damages are severe, order new parts to replace the damaged parts.  
Make the additional working following the procedure indicated below.



5-1. Resin made fender (LH)

Cut the guard along the two-dot-dashe line indicated below by use of a grinder and finish the cut surfaces smoothly.

56B-54-12782 GUARD

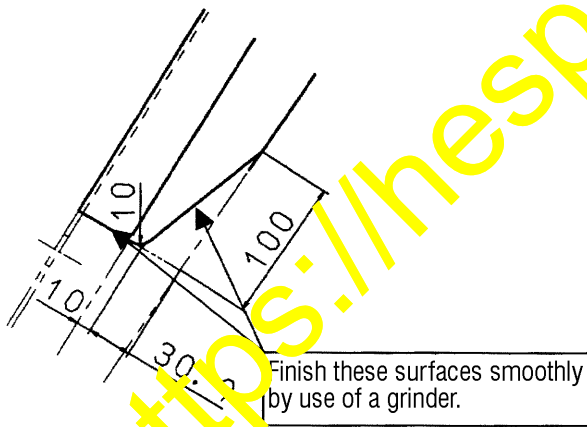
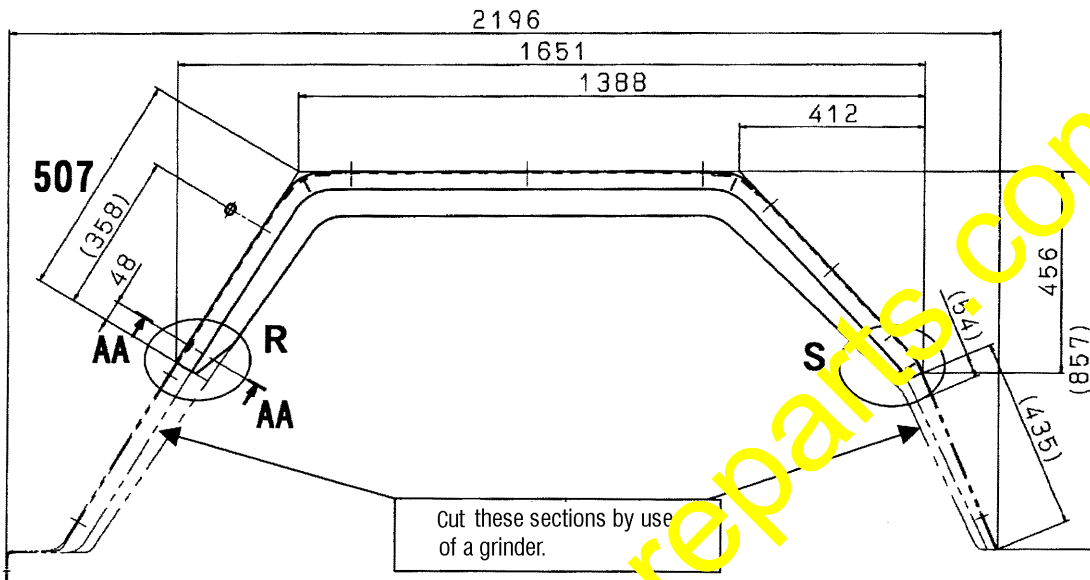
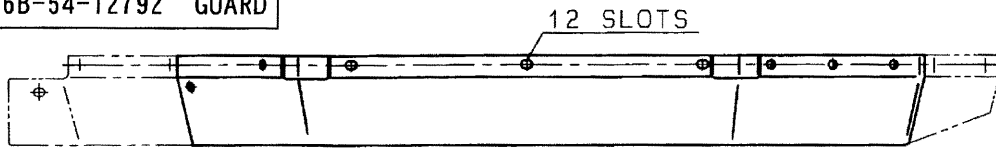


Detail drawing of the section "Q"

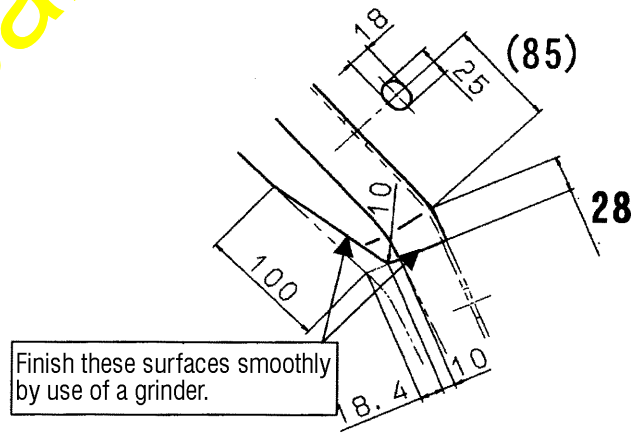
5-2. Resin made fender (RH)

- 1) Cut fender along the two-dot-dashe line in the drawing shown below by use of a grinder and finish the cut surfaces smoothly.
- 2) Open a slotted hole as per the instructions given in the cross-section AA-AA.

56B-54-12792 GUARD



Detail drawing of the section "R"



Detail drawing of the section "S"

