

**PARTS & SERVICE  
NEWS**

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**(C)**

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**SUBJECT:** IMPROVED TURBO CHARGER COVER ON HD465/605-7 (SAA6D170 ENGINE)

**PURPOSE:** To introduce modification procedure to improve the heat shielding cover for the turbocharger on HD465-7 and HD605-7 dump trucks

**APPLICATION:** HD465-7 Dump Trucks, Serial Nos. up to 7251  
(Engine Serial Nos. up to 311487)  
HD605-7 Dump Trucks, Serial Nos. up to 7114  
(Engine Serial Nos. up to 311487)

**FAILURE CODE:** A1S1FF

**DESCRIPTION:**

## 1. Introduction

When the mounting bolts for the heat shielding cover for the turbocharger or bolts for the exhaust pipe connector cover on the SAA6D170 E-3 engines mounted the HD465-7 and HD605-7 dump trucks break off, repair the failure following the modification procedure described in this Service News.

## 2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
6240-11-7261 (6240-11-7260)	Bracket (Bracket)	Replacement	1 (1)	For the turbocharger cover
6112-23-6971 (6150-71-7130)	Spacer (Spacer)		2 (2)	L=60.5 mm L=85 mm
01010-81095 (01011-81020)	Bolt (Bolt)		2 (2)	
6240-11-8171 (6240-11-8170)	Cover (Cover)		1 (1)	Exhaust connector cover
6240-11-8180 (6152-51-5960)	Bracket (Spacer)		2 (2)	
01010-81090 (01011-81035)	Bolt (Bolt)		2 (2)	
6240-11-8210	Plate	Addition	1	
01010-81025	Bolt		6	
01643-31032	Washer		6	

3. Details of the modification

(1) Reason for making this modification

To prevent the breakages of the bolts by improving the vibration resistance of the turbocharger cover mounting bolt (A) and the exhaust connector cover mounting bolt (B).

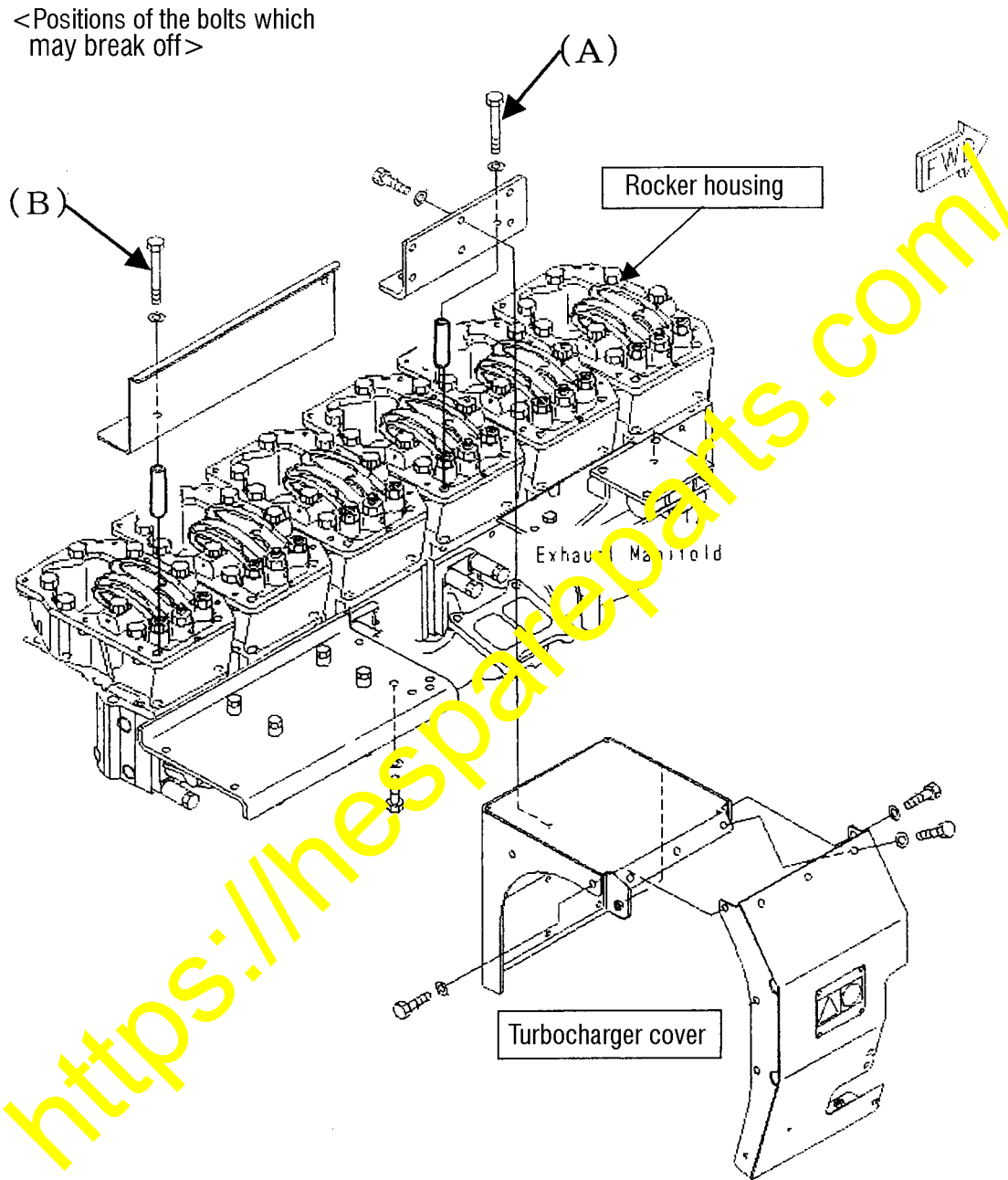


Fig. 1

(A) Turbocharger cover: The length of the mounting bolt for the cover is changed from "a" (120 mm) to "A" (95 mm) and the thickness of the spacer is changed from "b" (85 mm) to "B" (60.5 mm).

<Installation procedure>

1. When a broken bolt remains in the mounting bolt holes for the rocker housing (6240-11-7110), remove it using a drill, etc.
2. Fix the bracket (C) using the bolt (A) and spacer (B).

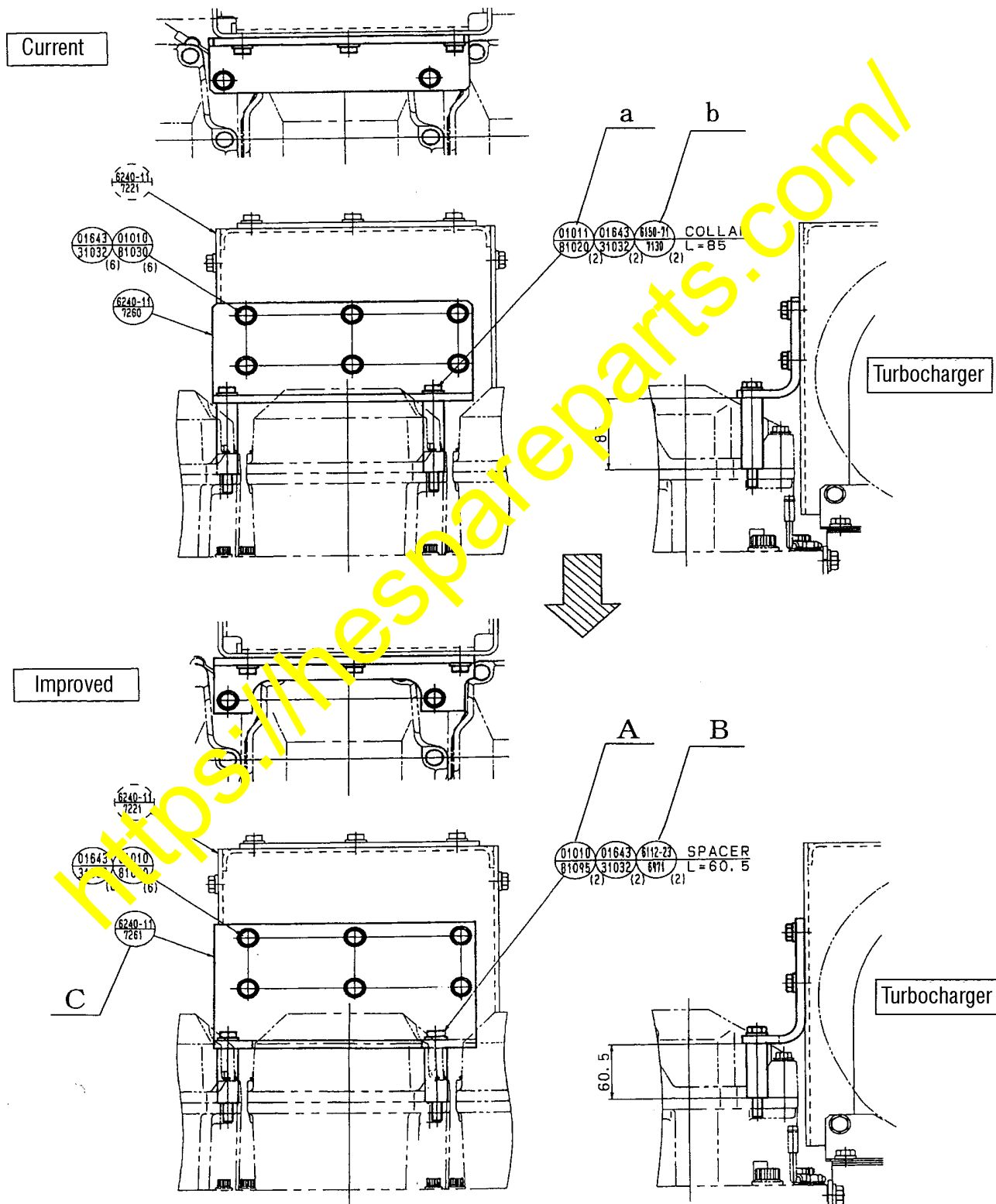


Fig. 2

(B) Exhaust pipe connector cover section: The cover mounting spacer (a) is changed to the block type (A) and the length of the mounting bolt is changed from "b" (135 mm) to "B" (90 mm).

<Installation procedure>

1. When a broken bolt remains in the mounting bolt holes for the rocker housing (6240-11-7110), remove it using a drill, etc.
2. Temporarily fix the bracket (A) using the bolt (B) and fix the plate (C) using the bolt (D). After that, make proper positioning.
3. Tighten the bolt (B) finally, and after that, fix the cover (E) using the bolt (F).

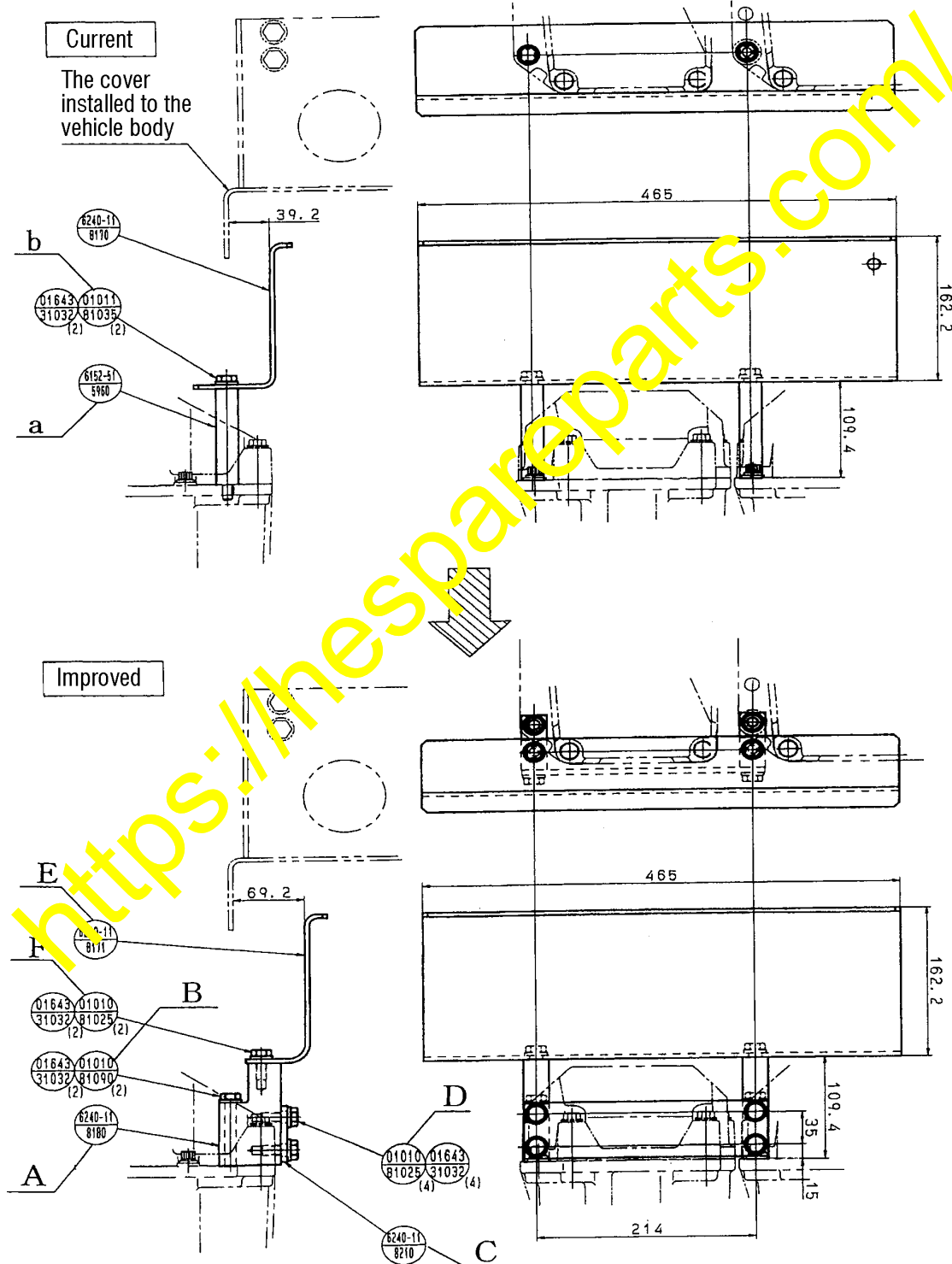


Fig. 3