

# PARTS & SERVICE NEWS

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Page 1 of 3

**SUBJECT:** IMPROVEMENT OF OF DURABILITY OF INTAKE ELBOW ON HD785-3, -5/HD985-3, -5

**PURPOSE:** To introduce improved air intake elbow with increased durability for use on HD785-3, HD785-5, HD985-3 and HD985-5 dump trucks

**APPLICATION:** HD785-3 Dump Trucks, Serial Nos. 2001 thru 2574  
 HD785-5 Dump Trucks, Serial Nos. 4001 thru 4391  
 HD985-3 Dump Trucks, Serial Nos. 1001 thru 1020  
 HD985-5 Dump Trucks, Serial Nos. 1021 thru 1022

**FAILURE CODE:** 0100HA

## DESCRIPTION:

### 1. Introduction

With HD785-3, HD785-5, HD985-3 and HD985-5 dump trucks which are in the field, depending on their working conditions, the air intake elbow may be cracked or broken before the engine overhaul timing comes.

This Service News will introduce the improved air intake elbow with increased durability, changing the rubber material to a more heat resistant one.

### 2. List of parts

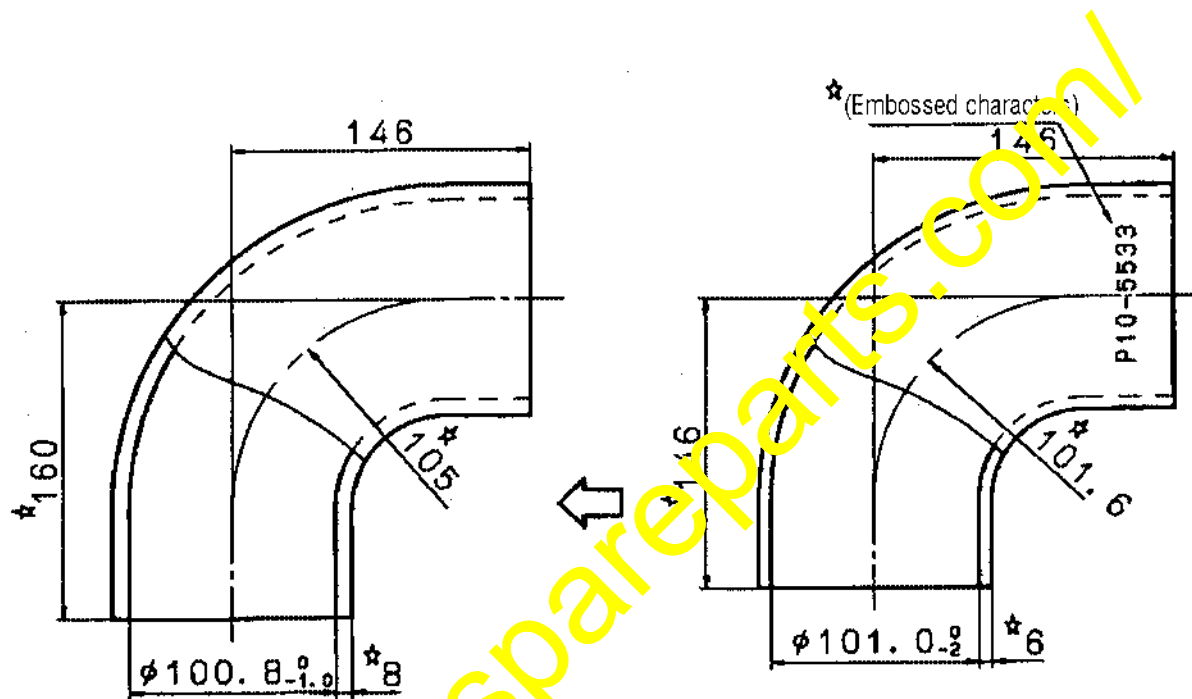
Part No.	Part Name	Purpose of part	Q'ty	Remarks
561-02-4A130 (561-02-42130)	Elbow (Elbow)		2 (2)	

3. Details of the modification

The air intake elbow connecting the air intake piping and the turbocharger on the HD785 and HD985 dump trucks may be hardened by the radiation heat coming from the turbocharger and exhaust manifold resulting, finally, in cracking or breakage.

Therefore, the rubber material of the air intake elbow has been changed to a more heat resistant rubber material.

(Identification of the improved and current elbows by the appearance: Although the ☆ marked differences exist between the improved and current elbows, identification by the wall thickness should be the easier way.)



Improved elbow (New Part No.)  
 Part No.: 561-02-4A130  
 Material: EPR-8 (Ethylene propylene rubber)

Current elbow (Current Part No.)  
 Part No.: 561-02-42130  
 Material: CR-8 (Chloroprene rubber)

Fig. 1 Identification of the new and current parts

#### 4. Precautions when making this modification

- (1) Inspect the air intake elbow at the times of the periodical maintenance (2,000h, for internal inspection of the turbocharger and for inspection and adjustment of the valve clearance) and when cracks are found, replace them with new parts.
- (2) When replacing the air intake elbow, park the vehicle on a flat place, apply the parking brake and insert chocks underneath the tires.
- (3) Regarding the depth of fit between the air intake elbow and the parts the elbow is fitted (turbocharger or air intake tube), refer to the dimension in ( ) shown in Fig. 2.

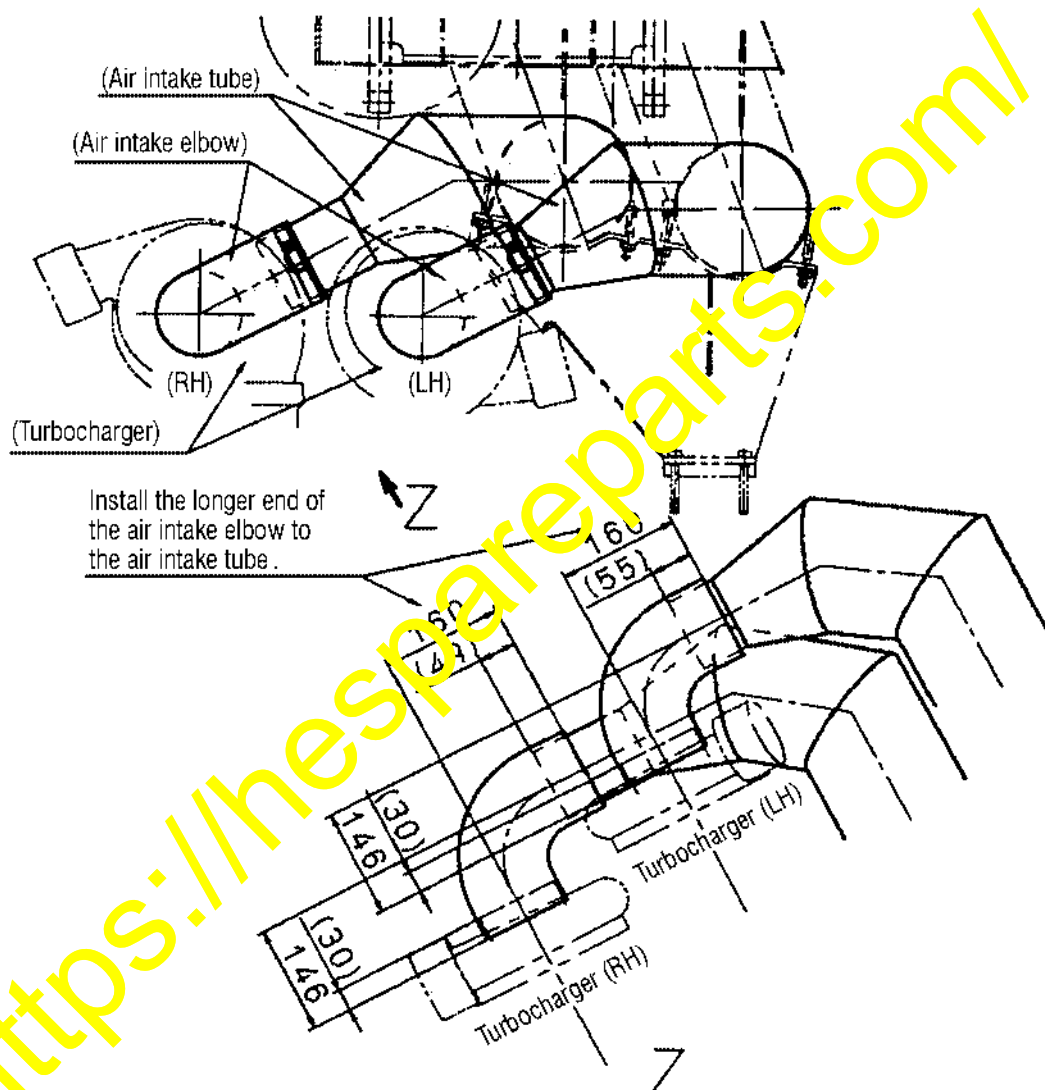


Fig. 2

- (4) Tighten the hose clamp to fasten the air intake elbow at a tightening torque of  $8.3 \pm 0.5 \text{ Nm}$   $\{85 \pm 5 \text{ kgcm}\}$ . Also, at 24 hours after starting the actual operation, re-tighten the above hose clamp.