

INSTALLATION MANUAL

REF NO.	BT00063
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SUBJECT: IMPROVED ENGINE AIR COMPRESSOR UNLOAD LINE ON HD785/985-3, 5

PURPOSE: To introduce modification procedures to improve the engine air-compressor unload line piping 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 4154, 4161 thru 4137
 HD985-3 Dump Trucks, Serial Nos. 1001 thru 1020
 HD985-5 Dump Trucks, Serial Nos. 1021 thru 1051

FAILURE CODE: 451020

DESCRIPTION:

1. Introduction

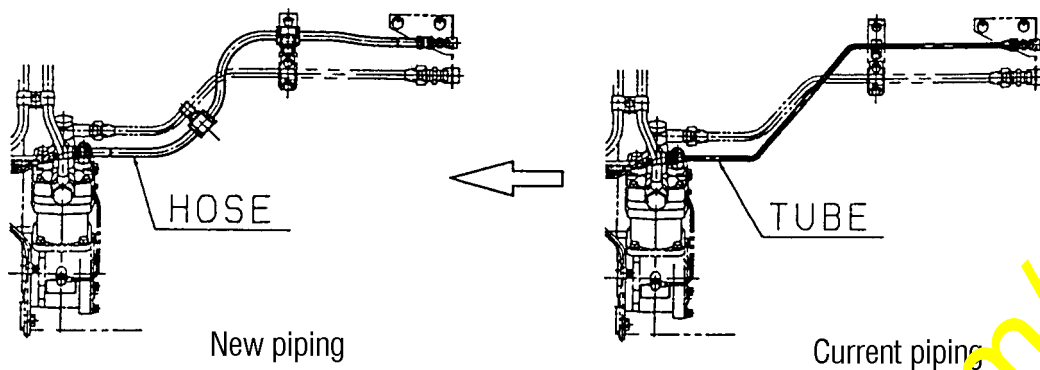
We have improved the durability of the engine air-compressor unload line piping on the HD785-3, HD785-5, HD985-3 and HD985-5 dump trucks by replacing the tube with a hose and are introducing its installation procedures in this Installation Manual.

2. List of parts

No.	Part No.	Part Name	Q'ty	Remarks
1	07102-20207	Hose	1	
2	08036-02511	Clip	2	
3	581-35-23540	Insulator	2	
4	04434-51508	Clip	1	
5	01010-80820	Bolt	1	
6	01643-30823	Washer	2	
7	01580-10806	Nut	1	

3. Contents of the modification

The tube being used for the engine air-compressor unload line piping is to be replaced by a hose.



4. Installation procedures

Code numbers given right behind the part name in descriptive sentences and code numbers given above the part numbers in schematic diagrams correspond to the item numbers of the list of necessary parts.

4-1. Preparations

Park the vehicle on a level surface, stop the engine, apply the parking brake and put chocks behind the tires.

4-2. Draining the air from inside the air reservoir tank

Before replacing the following tube with the hose, drain the air from inside the air reservoir tank.

4-3. Installing the hose (Refer to Fig. 1 on page 4.)

(1) Replace the tube indicated below with hose 1. The part number of the replacing tube is as follows:

Part numbers	Serial numbers of the applicable vehicles
561-35-62571	HD785-3 #2001 - 2574, HD785-5 #4001 - 4098, HD985-3 #1001 - 1020, HD985-5 #1021 - 1045
561-35-62572	HD785-5 #4099 and up HD985-5 #1046 and up

(2) After finishing the replacement work, clamp the hose at 2 places.

At 1 place, clamp the hose to the bracket (561-35-62532) using the clip 2 and insulator 3.

At the other place, bundle the hose to the tube (561-35-62511) using the clip 2, insulator 3, clip 4, bolt 5, washer 6 and nut 7.

(3) Make sure that a clearance of 20 mm is being secured between the newly installed hose and the fuel return hose and that a clearance of 10 mm is being secured between the new hose and the oil filler.

5. Inspections to make on the vehicle

Starting the engine, charge air into the air tank before unloading the air compressor to check if air leakage is occurring through the joints of the hose or from the neighboring area.

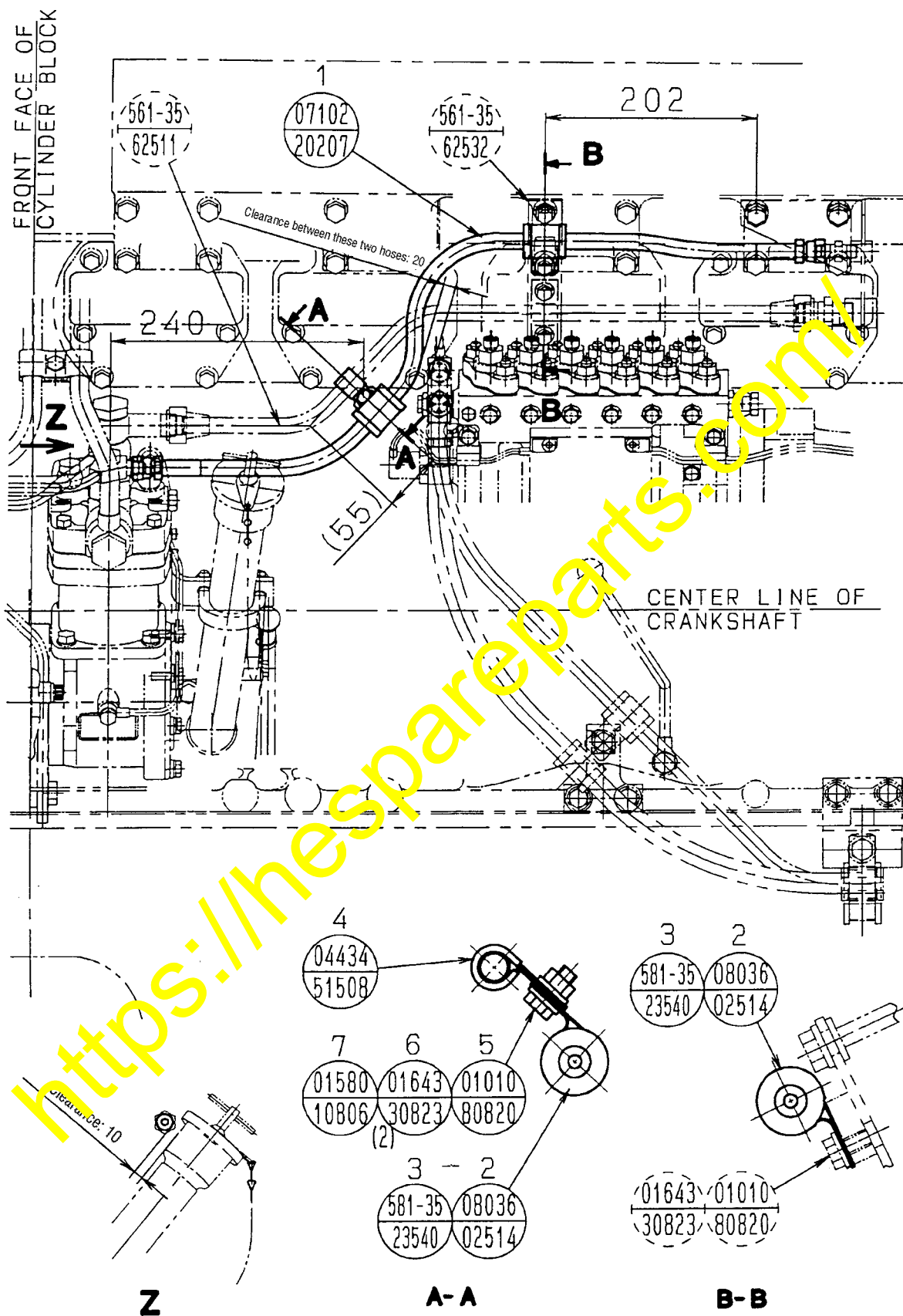


Fig. 1: Installing the hose