

**PARTS & SERVICE
NEWS**

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SUBJECT: PREVENTION OF INTERFERENCE OF REAR DIFFERENTIAL LOCK-UP HOSE AND STRAINER

PURPOSE: To introduce modification procedure to prevent occurrence of interference between the rear axle differential lock-up hose and the nipple of the strainer case fitting.

APPLICATION: HM400-1 Articulated Dump Trucks, Serial Nos. 1001 thru 1003
1005 thru 1008
1010 thru 1032

FAILURE CODE: 6B00MV

DESCRIPTION:

1. Introduction

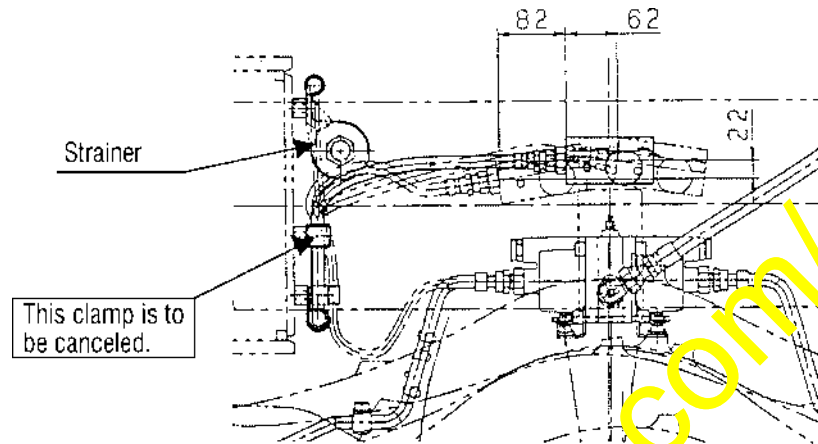
On the HM400-1 articulated dump trucks, since there is a possibility of occurrence of interference between the rear axle differential lock-up hose and the nipple of the differential lock-up line strainer case fitting by axle oscillations or when the vehicle is making turns, make the modification being introduced in this Service News to prevent occurrence of the above interference.

2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
Being abolished. (04434-52110)	(Clip)	} Not used	(1)	
Being abolished. (07095-20314)	(Cushion)		(1)	
Being abolished. (01435-01016)	(Bolt)		(1)	
08219-31206	Tube	} Addition	1	To use as a hose guard
08004-20519	Band		2	To fasten the spiral tube

3. Details of the modification

- ① The following hose clamp is to be canceled so that the movable part of the hose may be extended to absorb the movement by axle oscillation.
- ② The spiral tube is to be wound around the hose.



4. Modification procedure

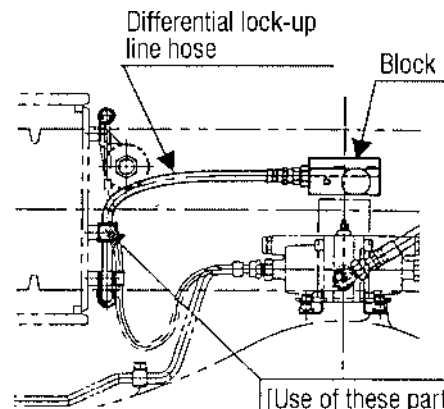
4-1. Preparations before starting the modification work

- 1) Park the vehicle on a flat place and apply chocks underneath each tire.
- 2) Raise the body and insert the safety pins. (Both of the LH and RH side pins)

[Fig. 1]

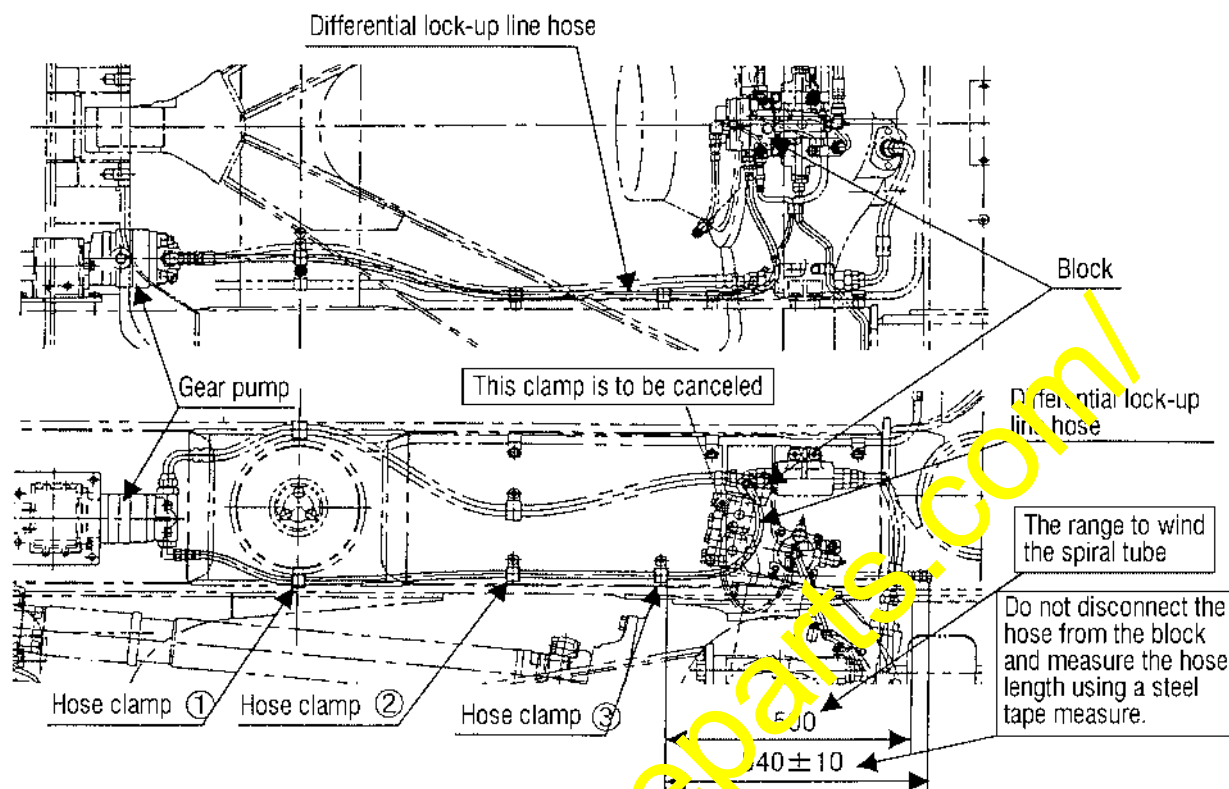
4-2. Modification work

- 1) Remove the hose clamp from the differential lock-up line hose. (This part is being canceled.) [Refer to Fig. 1.]
- 2) Measure the length from the edge of the clamp ③ to the tip end of the fitting of the hose using a steel tape measure to adjust the length to $L = 540 \pm 10$ mm. Loosen the clamp ① and ② when adjusting to the above length. [Refer to Fig. 2 and Fig. 3.]
- 3) Wind the spiral tube around the hose starting from the edge of the clamp ① to the fitting of the hose and fasten both ends by the band. [Refer to Fig. 2 and Fig. 3.]



[Use of these parts are being abolished.]
 Remove the hose clamp
 •04434-52110
 •07095-20314
 •01435-01016

[Fig. 2]



[Fig. 3]



Fasten both ends using the band (08034-20519).

Wind the spiral tube (08210-01206) around the hose.

4-3. Inspections to make after finishing the modification work

- 1) Remove the safety pins for the body and store them in their places. (Both of the LH and RH side pins)
- 2) Remove the chocks from the tires and store them in their places.
- 3) Run the vehicle at a low speed and activate the differential lock-up.
- 4) Check to make sure that oil leakage is not occurring from the modified hose.