

PARTS & SERVICE NEWS

REF NO.	AT98268A
DATE	May 17, 1999

(C)

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This PARTS & SERVICE NEWS supersedes the previous issue No. AT98268 dated Feb. 23, 1999 which should be discarded.

SUBJECT: PROCEDURE FOR REPAIR OF MAIN WIRING HARNESS INSIDE CAB ON HD465-5,605-5,785-5

PURPOSE: To introduce repair procedures for the main harness laid inside the operator's cab on HD465-5, HD605-5 and HD785-5 dump trucks mechanical governor spec. vehicles, thereby preventing malfunctioning of the brake control valve.

APPLICATION: HD465-5 Dump Trucks, Serial Nos. 4627 thru 4637, 4639 thru 4661, 4664 thru 4669, 4672 thru 4677.
HD605-5 Dump Trucks, Serial Nos. 1014 thru 1020, 1022 thru 1024.
HD785-5 Dump Trucks, Serial Nos. 4008, 4010, 4011, 4023, 4024, (Mechanical governor spec.) 4031 thru 4043, 4044 thru 4047, 4051 thru 4053

FAILURE CODE: D50082


DESCRIPTION:

1-1. Introduction


It has been found that the brake control valve (BCV) on the mechanical governor spec. dump trucks models HD465-5, HD605-5 and HD785-5 works reversely when the brake is activated, raising the retarder cooling oil temperature.

To prevent occurrence of this malfunctioning, repair the main harness (by re-connecting terminals) laid inside the operator's cab.

1-2. Revised places:

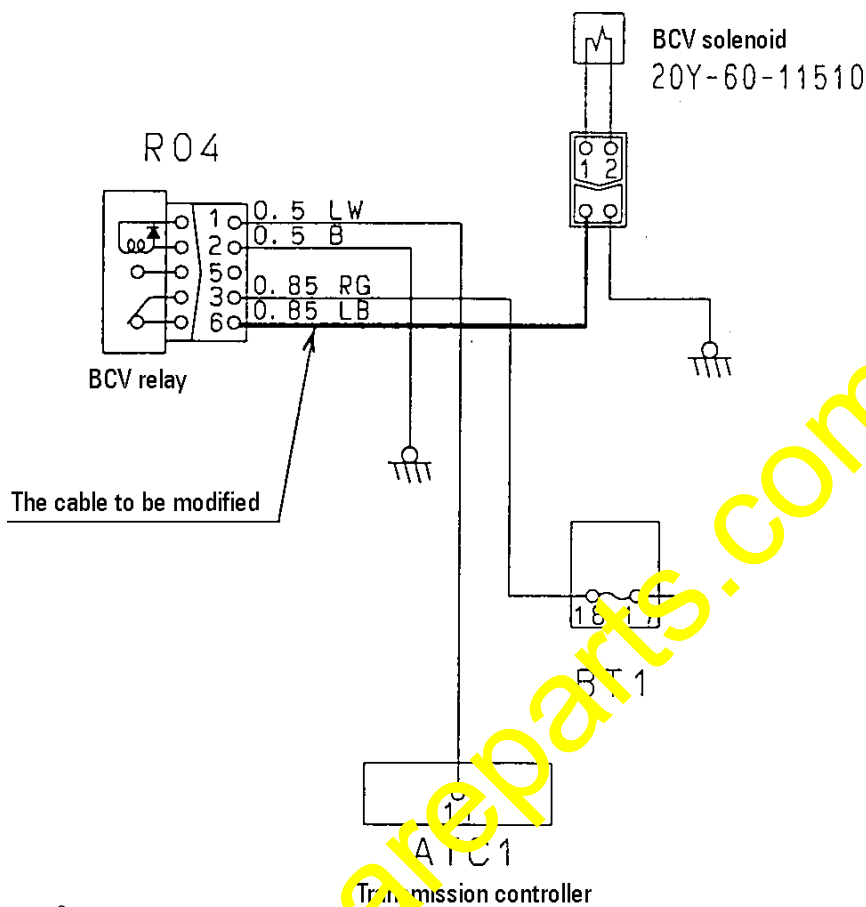
1 place 	May 17 1999	Errors in part numbers were corrected.
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2. List of parts

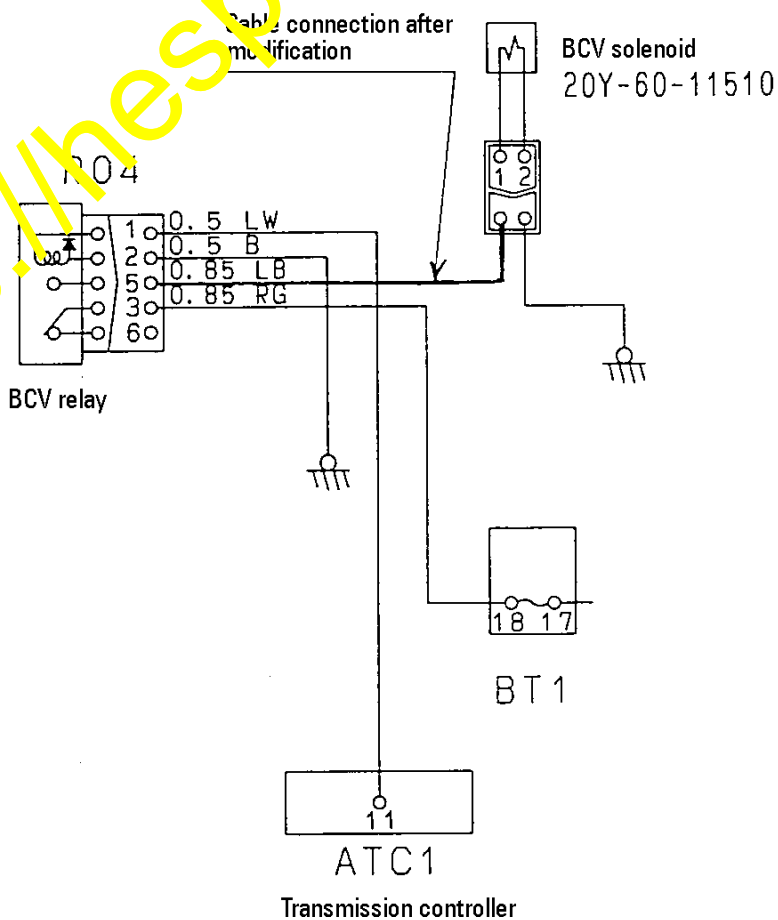
Part No.	Part Name	Purpose of part	Q'ty	Remarks
 569-06-64313 (569-06-64311)	Wiring harness (Wiring harness)	} Replacement	1 (1)	For machines equipped with the differential lock-up system
569-06-64314 (569-06-64312)	Wiring harness (Wiring harness)		1 (1)	

3. Modification procedures

- Wiring diagram before modification



- Wiring diagram after modification



- 1) Remove the relay R04 located inside the rear console.
Refer to Fig. 1 to find out the location of the relay.
- 2) Pull out the socket from the removed relay to check that the print on the marker tube positioned at the base of the socket reads "R04". (Refer to Fig. 2.)
- 3) Drawing out the socket as far as possible from the bracket, then pull out the Terminal No. 6. Refer to Fig. 3 to find out the pin numbers of the socket.
- 4) Insert the pulled out terminal into the No. 5 of the R04.

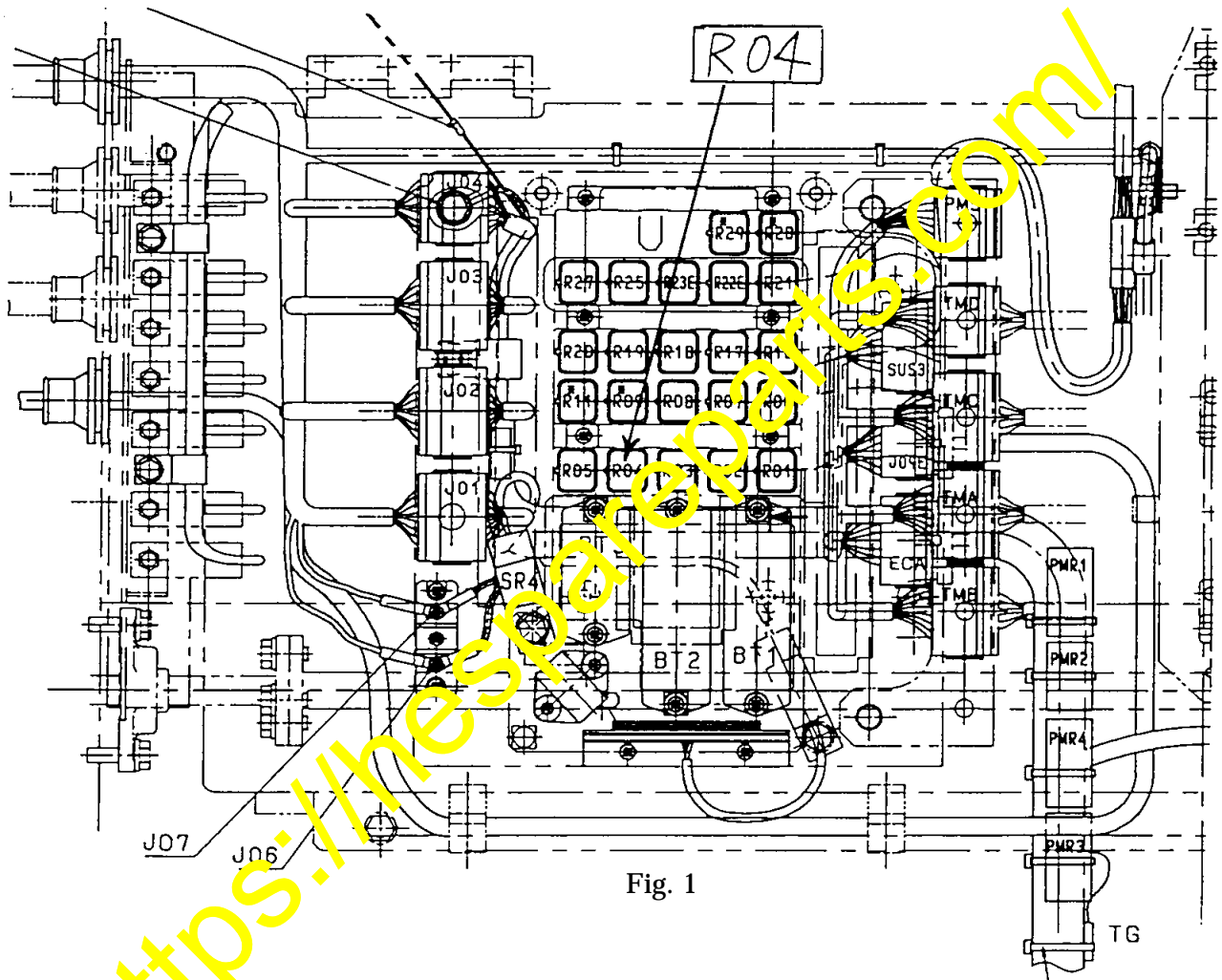


Fig. 1

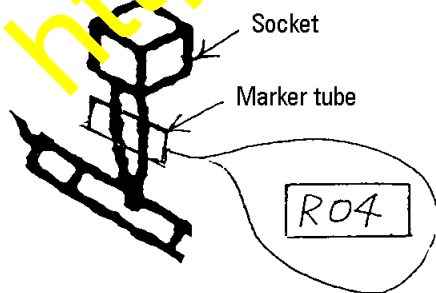


Fig. 2

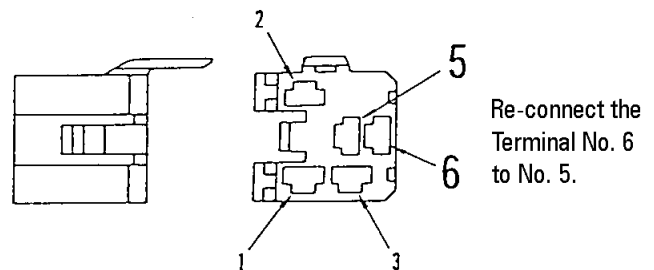


Fig. 3

4. Inspections after finishing the modification

After finishing the modification of the harness connections, check the BCV valve performance following the procedures listed below.

- 1) Disconnect the connector (No. 55) of the BCV solenoid. (Refer to Fig. 4.)
- 2) Make sure the air pressure gauge pointer stays within the green range. Otherwise, start the engine and charge air into the air tank until the pointer comes inside the green range.
- 3) Using a circuit tester, measure the voltage between the Terminal No. 1 and the Terminal No. 2 (refer to Fig.5) of the connector disconnected according to the above procedure 1) to see if the voltage readings are as follows.

When the retarder lever is pulled 0V
When the retarder lever is returned to the original position 24V

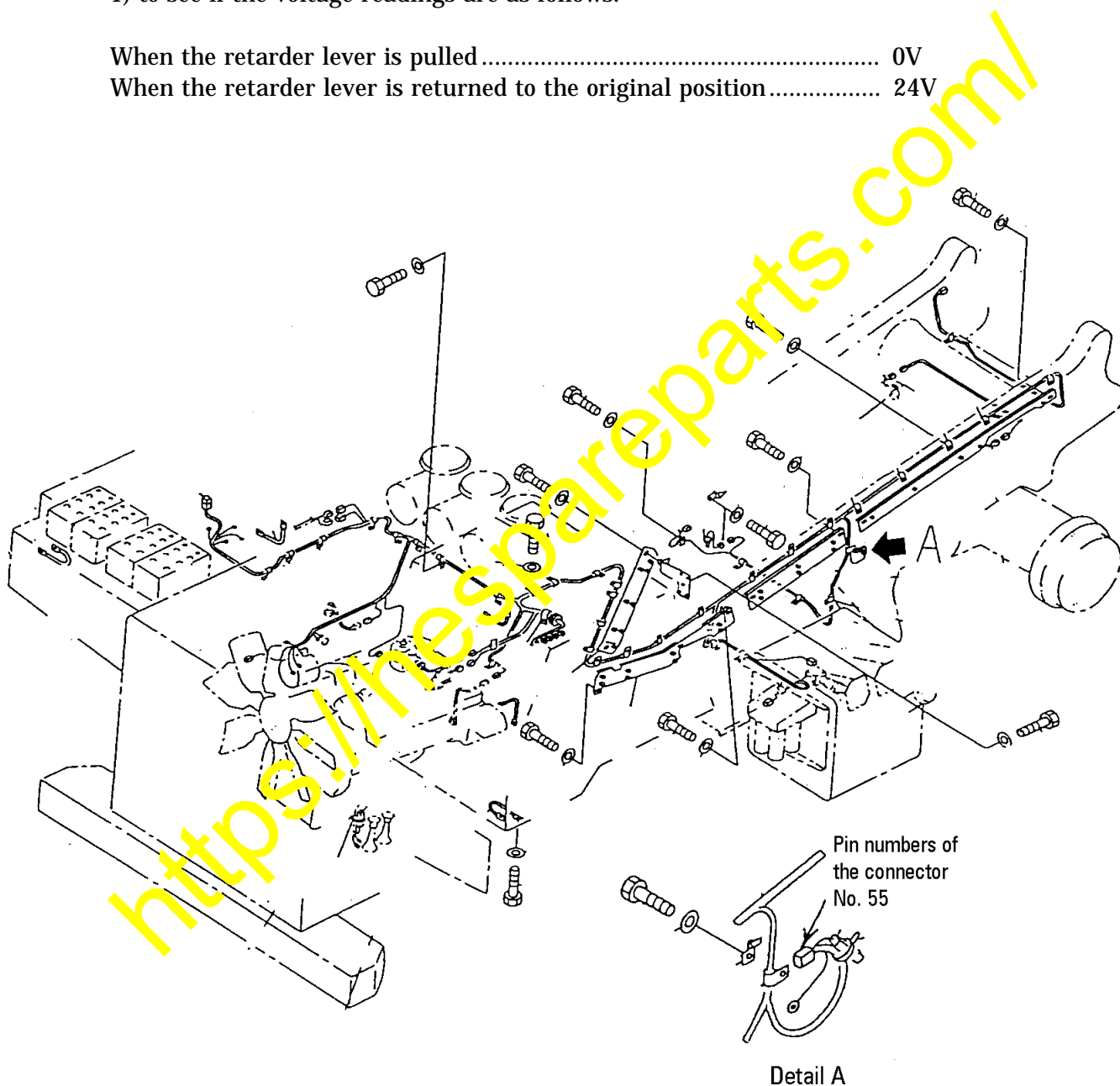


Fig. 4

Pin numbers of the connector No. 55

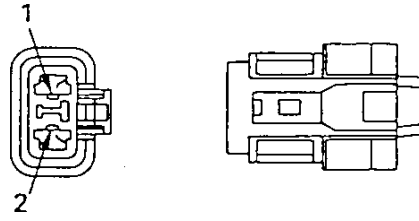


Fig. 5

<https://hespareparts.com/>