


PARTS & SERVICE NEWS

REF NO.	AT03144A
DATE	Oct. 20, 2003
(C)	Page 1 of 4

This PARTS & SERVICE NEWS supersedes the previous issue No. AT03144 dated Aug. 1, 2003 which should be discarded.

SUBJECT: MODIFICATION TO REPAIR LAMP SWITCH HARNESS ON HD465/605-7

PURPOSE: To introduce modification procedure to repair the lamp switch harness on HD465-7 and HD605-7 dump trucks

APPLICATION: HD465-7 Dump Trucks, Serial Nos. 7001 thru 7069, 7071 thru 7125,
7127 thru 7138, 7155 thru 7167 
HD605-7 Dump Trucks, Serial Nos. 7001 thru 7052, 7062 thru 7069


FAILURE CODE: DDH1FQ

DESCRIPTION:

1-1. Introduction

Since there is a possibility of occurrence of pre-usage failure of the lamp switch by overcurrent flowing through the lamp switch in the lamp switch circuit when the head lamps of the HD465-7 and HD605-7 dump trucks are cocked up (four lamps) resulting in failure of lighting of the lamps on these vehicles, make the modification being introduced in this Service News to repair the lamp switch circuit harness.

1-2. Revised places:

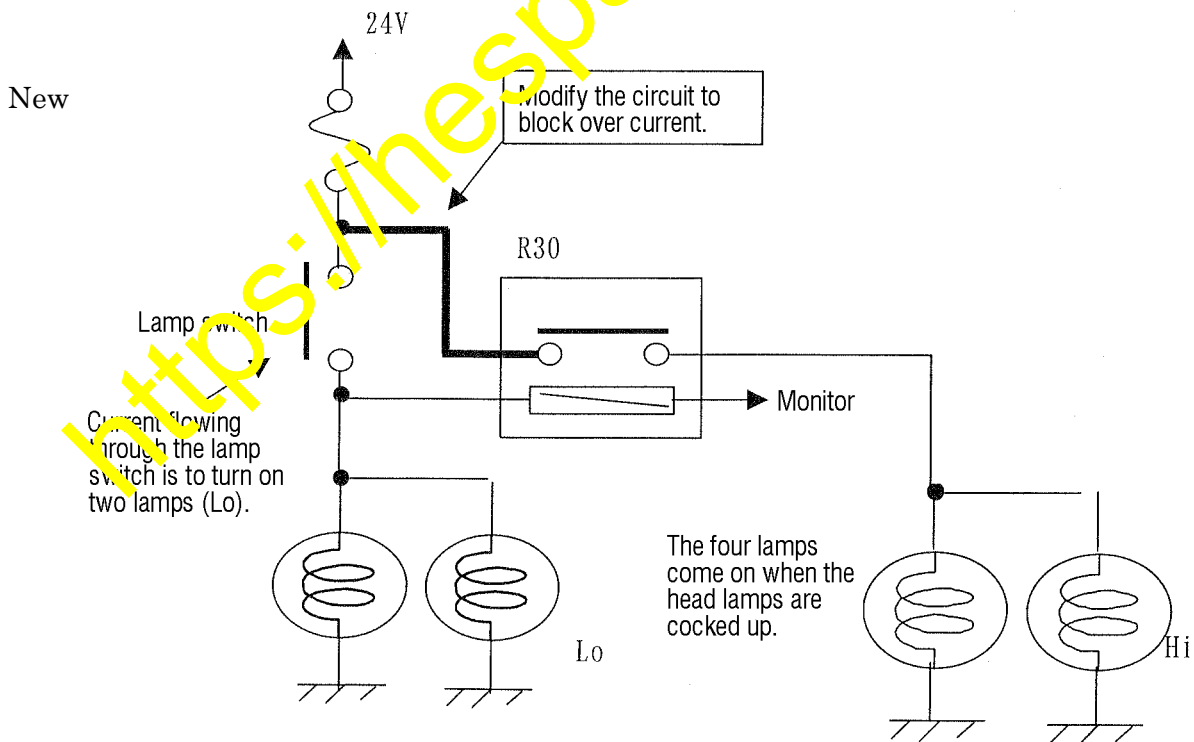
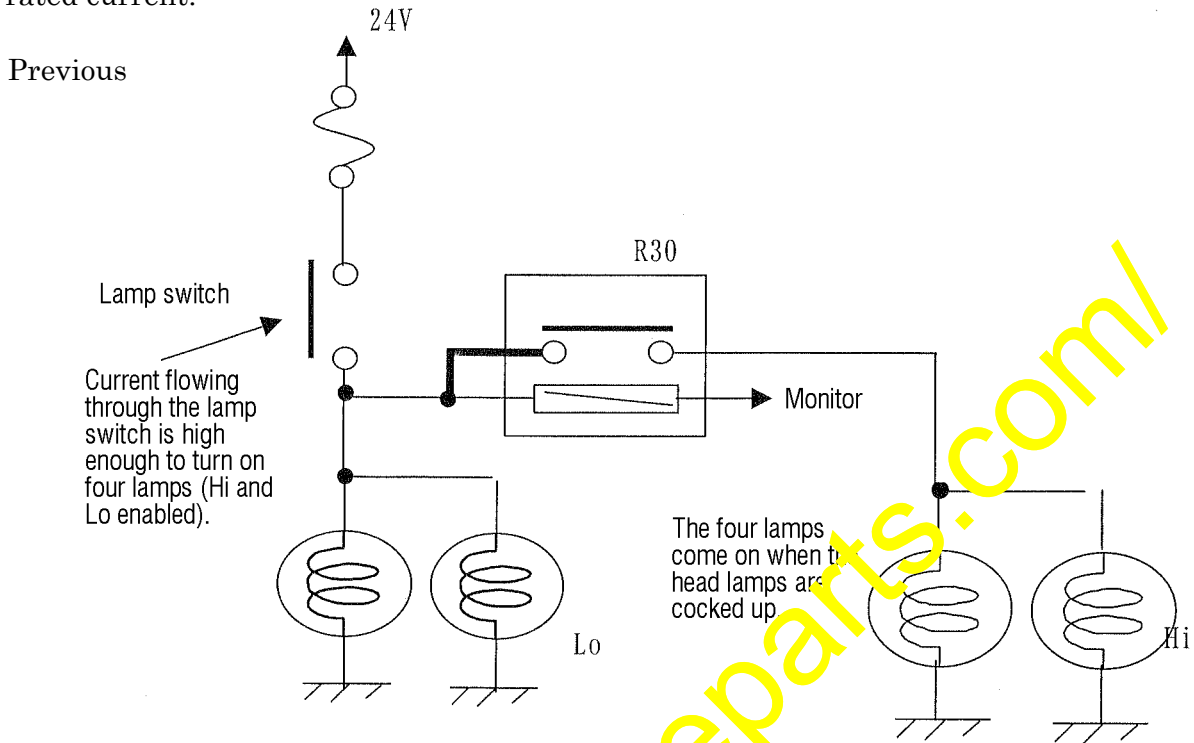
10 places 	Oct. 20, 2003	Addition of application serial Nos. and correction of error in writing.
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2. List of parts

Part No.	Part Name	Purpose of parts	Q'ty	Remarks
563-06-83412 (563-03-86411)	Wiring (Wiring)		1 (1)	} Modified parts (Available for spare parts)
03021-00400	Connector	} Reworked	2	
08022-04003	Connector		1	

3. Details of the modification

The harness circuit for the lamp switch passing current has been changed from four lamps (Hi, Lo) to two lamps (Lo), and the passing current has been reduced below the rated current.

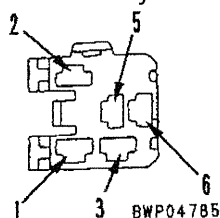


4. Modification procedure

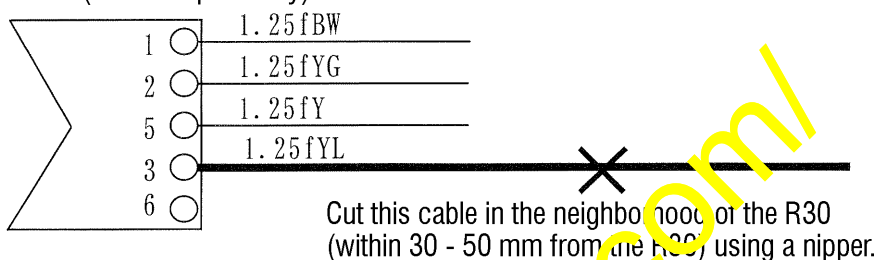
The wiring harnesses in the neighborhood of the relays R29 and R30 being positioned inside the operator's cabin are to be modified so that the current flowing through the light switch may be limited to a level less than the rated current value. (Refer to Fig. 1 and 2 on the next page.)

Procedure 1)

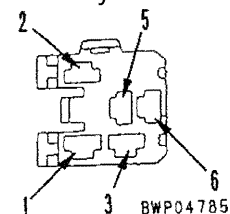
Connecting sections of the connectors of the R30 relay



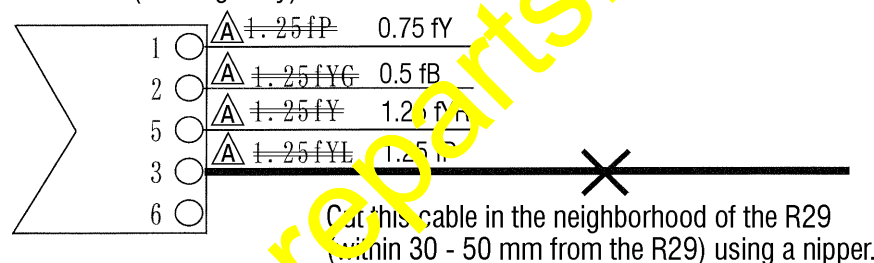
R30 (Head lamp Hi relay)



Connecting sections of the connectors of the R29 relay

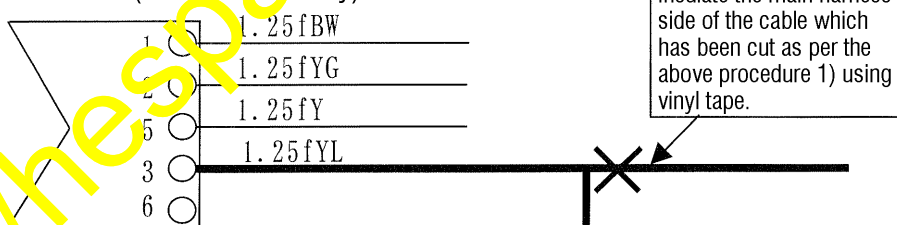


R29 (Passing relay)

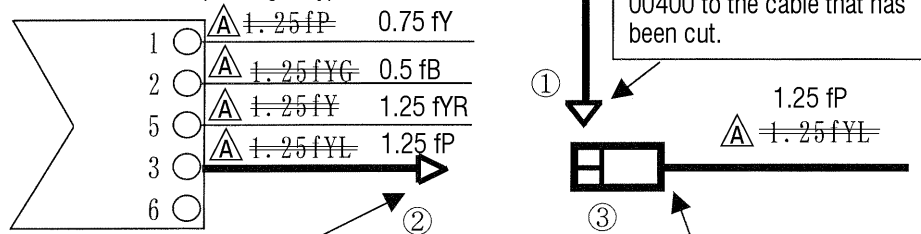


Procedure 2)

R30 (Head lamp Hi relay)



R29 (Passing relay)

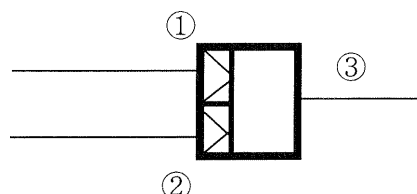


Connect the connector 08021-00400 to the R29 side cable of the cable which has been cut as per the above procedure 1).

Connect the connector 08022-04003 to the main harness side of the cable which has been cut as per the above procedure 1).

Procedure 3)

Connect the connector ① and connector ② to the connector ③ which has been crimped as per the above procedure 2).



5. Inspections to make after finishing the modification work
Operate the lamp switch and dimmer switch to check if the head lamp, clearance lamp, tail lamp and rear lamp will turn on properly.

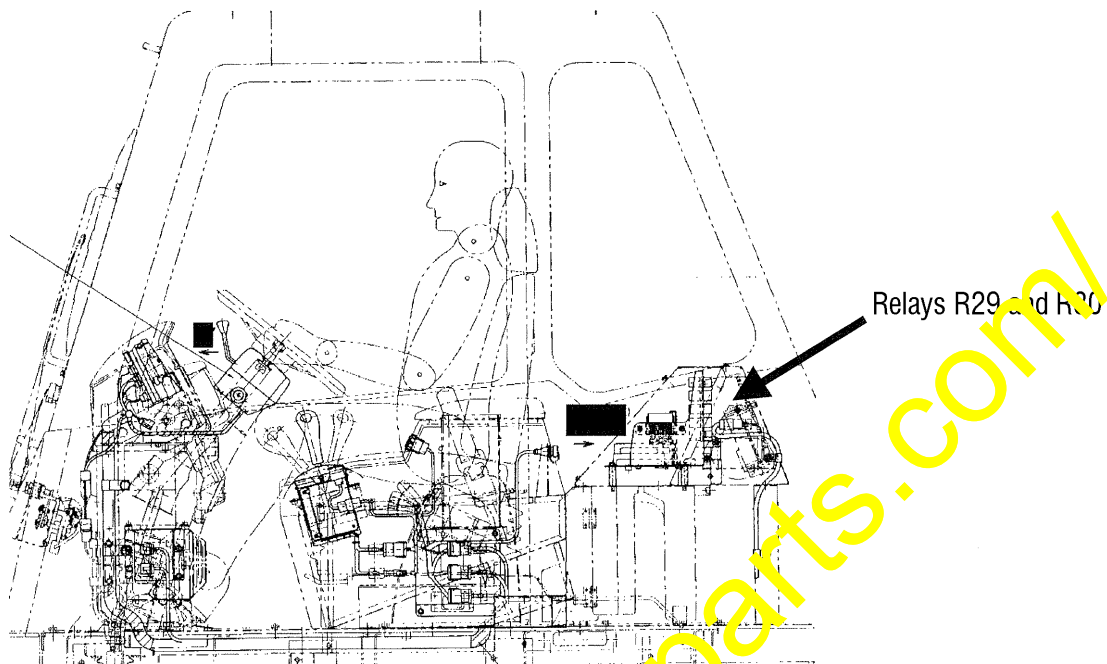


Fig. 1 Positions of the relays inside the operator's cabin (1)

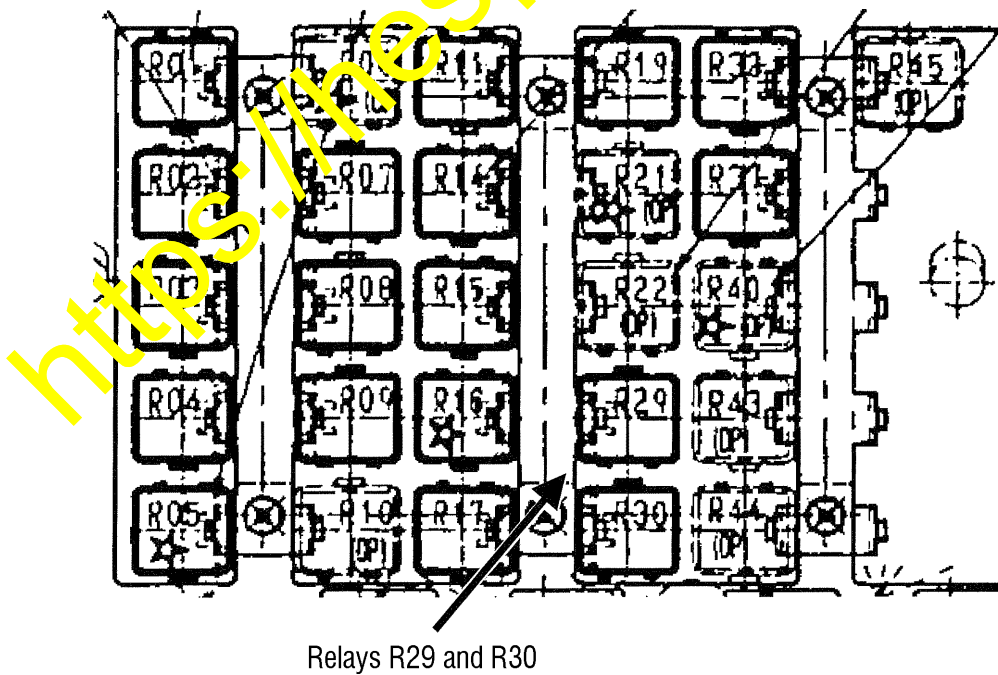


Fig. 2 Positions of the relays inside the operator's cabin (2)