COMPONENT CODE D

PARTS & SERVICE NEWS

REF NO. AT04196

DATE July 4, 2004

(C)

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SUBJECT:	REPAIR PROCEDURE FOR LIGHTING SWITCH
PURPOSE:	To inform Field Personnel
APPLICATION:	HD465-7 Trucks, S/N 7001 and up HD605-7 Trucks, S/N 7001 and up HM300-1 Trucks, S/N 1001 and up HM400-1 Trucks, S/N 1001 and up
FAILURE CODE:	DDH1FQ
DESCRIPTION:	

1. Introduction:

With the built-in lamp switch in the combination switch assembly used on Dump Trucks and on all the articulated dump trucks, there is a possibility that the ran material may melt by the heat generated at the contacts and molten resin may cause adhesion of the switches.

When the above failure occurs, replace the head hand switch and modify the head lamp circuit following the modification procedure described in this **PARTS & SERVICE NEWS**.

2. List of Parts:

Part No.	Par's Name	Purpose of Part	Qty.	Remarks	
ASSEMBLY PART NUMBERS					
569-06-86413 (569-06-86412)	Wiring (Wiring)	– Adjustment	1 (1)	HD465-7 thru HD605-7	
56B-06-16418 (56B-06-17417)	Wiring (Wiring)		1 (1)	HM300-1 thru HM400-1	
HD465-7 and HD605-7 Arrangements parts for modification					
56B-06-16910	Switch Light & Dimmer	Replacement	1	The Part Number for sup- plying the lamp switch of internal organs	
569-06-61960	Relay	Addition	1	An additional relay	
569-99-91590	Harness		1	The Part figure appends to the parts only for repair	
08021-00400	Connector		8	The parts for additional construction of the wring	



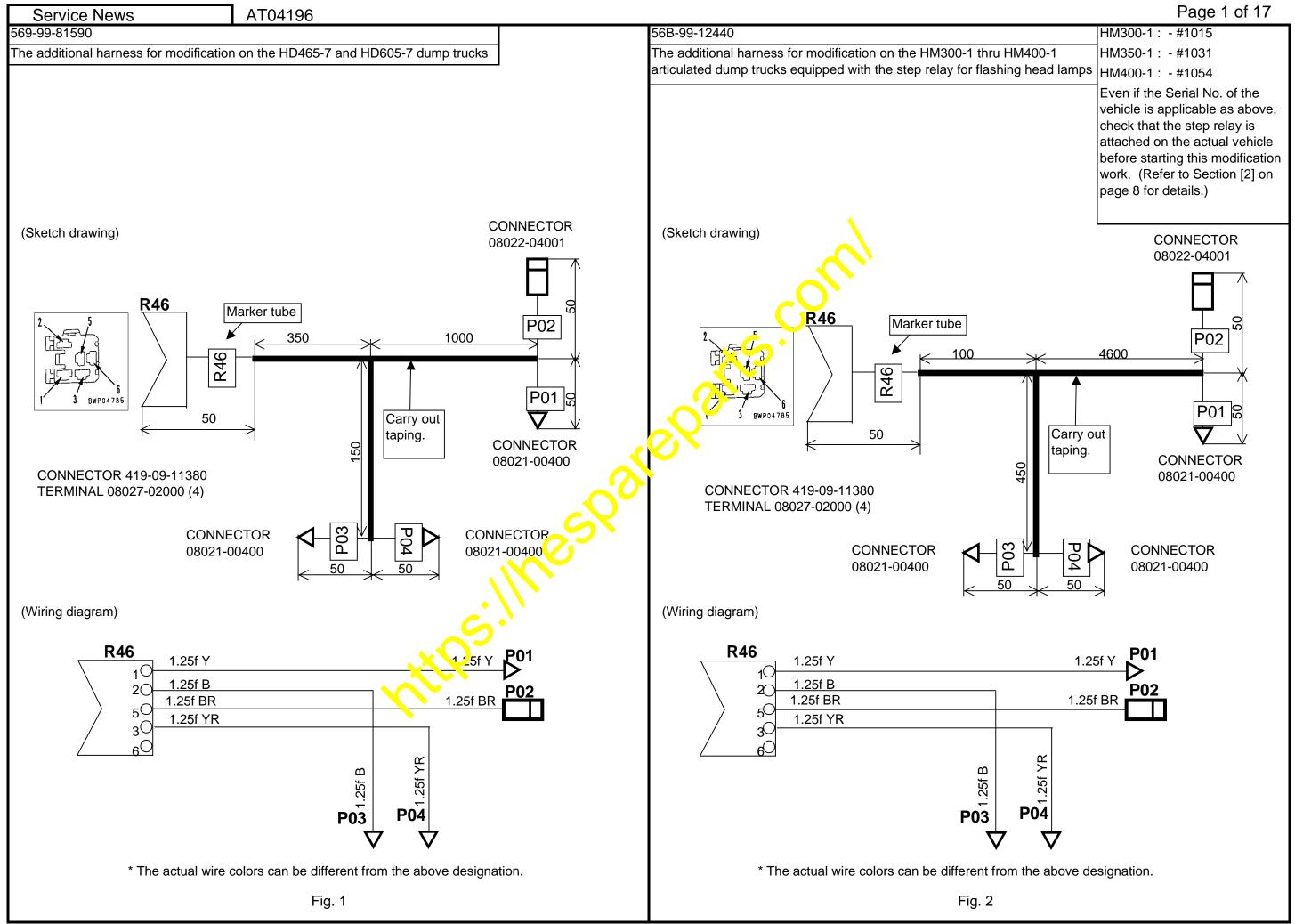
Part No.	Park Name	Purpose of Part	Qty.	Remarks
08022-04003	Connector	- Addition	3	
08022-04001	Connector		2	The parts for additional construction of the wiring
419-09-11380	Connector	Unnecessary	1	construction of the writing
08027-02000	Terminal	Addition	4	

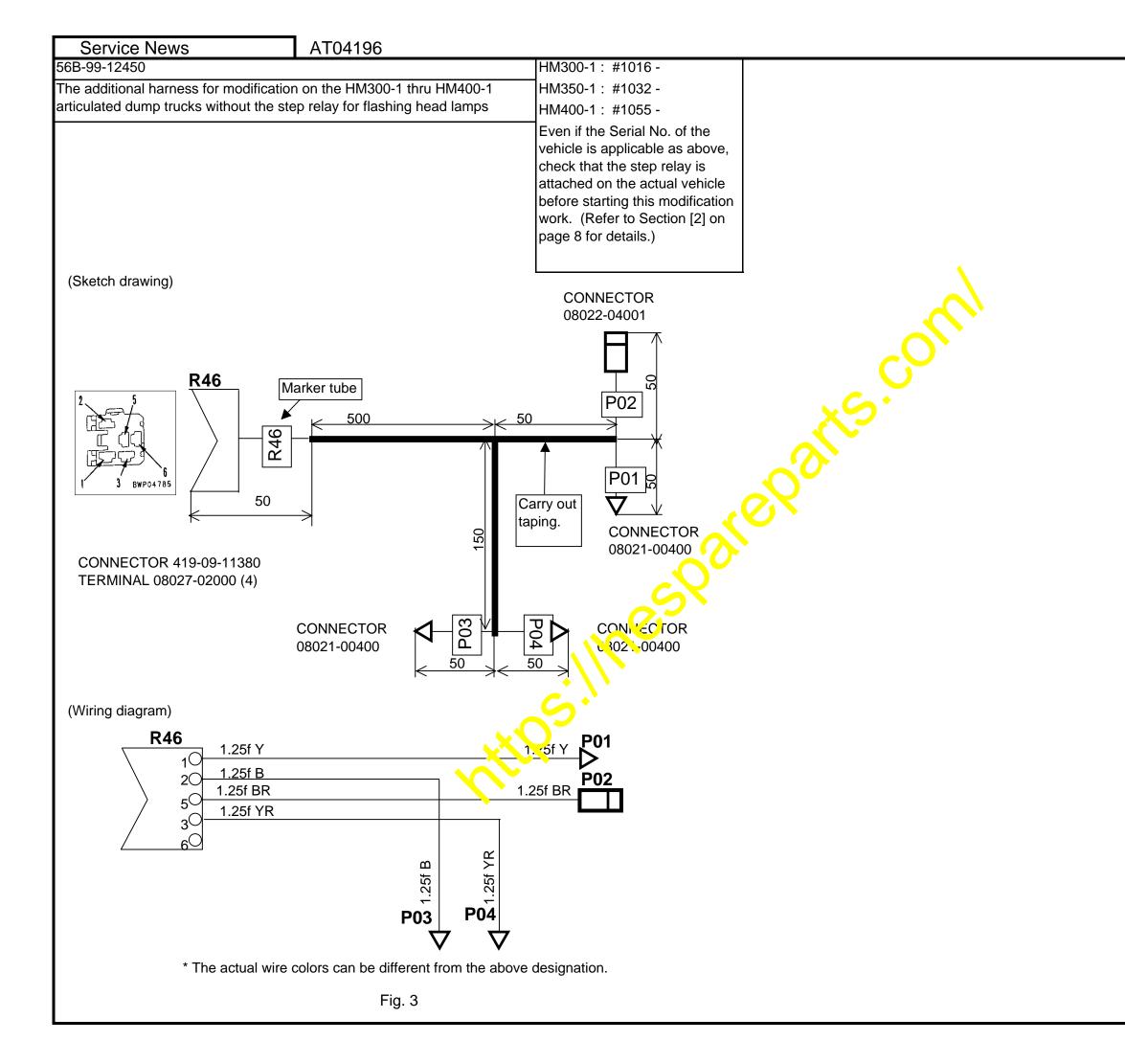
HM300-1 and HM400-1 The arrangements parts for repair of the vehicle with a step relay for flashing head lamps. (HM300-1 S/N up to 1015; HM350-1 S/N up to 1031; HM400-1 S/N up to 1054)

56B-06-16910	Switch Light and Dimmer	Replacement	1	The part number for sup- plying the lamp twitch of interact organs
569-06-61960	Relay		1	Ar algebraic relay
56B-99-12440	Harness		1	The part figure appends to the parts only for repair
08021-00400	Connector		6	•
08022-04003	Connector	Addition	2	
08022-04001	Connector	Addition	2	The parts for additional construction of the wring
419-09-11380	Connector		1	
08027-02000	Terminal		4	
56B-06-16330	Bracket		1	Additional relay mount bracket

HM300-1 and HM400-1 The arrangements parts for repair of the vehicle without a step relay for flashing head lamps. (HM300-1 S/N up to 1025; PM350-1 S/N up to 1032; HM400-1 S/N up to 1055)

56B-06-16910	Switch Ligh, ard Drame,	Replacement	1	The part number for sup- plying the lamp switch of internal organs
569-06-61960	Relay		1	An additional relay
56B-99-12450	Harness		1	
08021-00400	Connector		6	
08022-04.03	Connector	Addition	2	The parts figure appends
08022 04621	Connector		2	to the parts only for repair
419-09-11380	Connector	-	1	
08027-02000	Terminal		4	
56B-06-16330	Bracket		1	Additional relay mount bracket



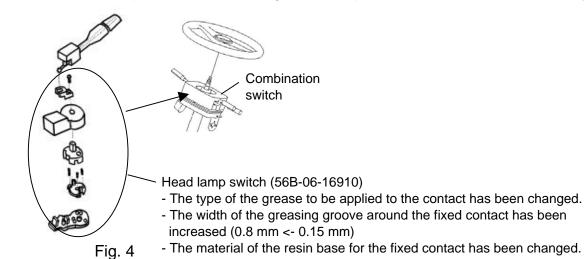


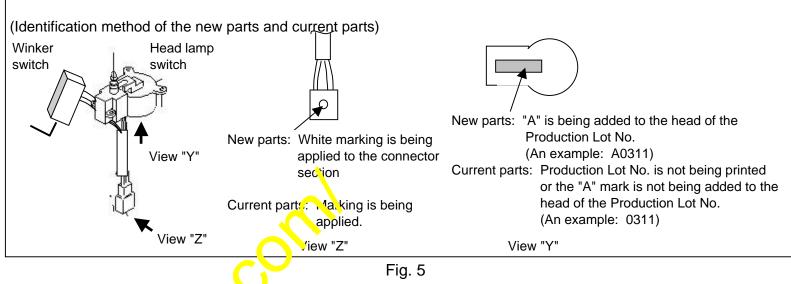
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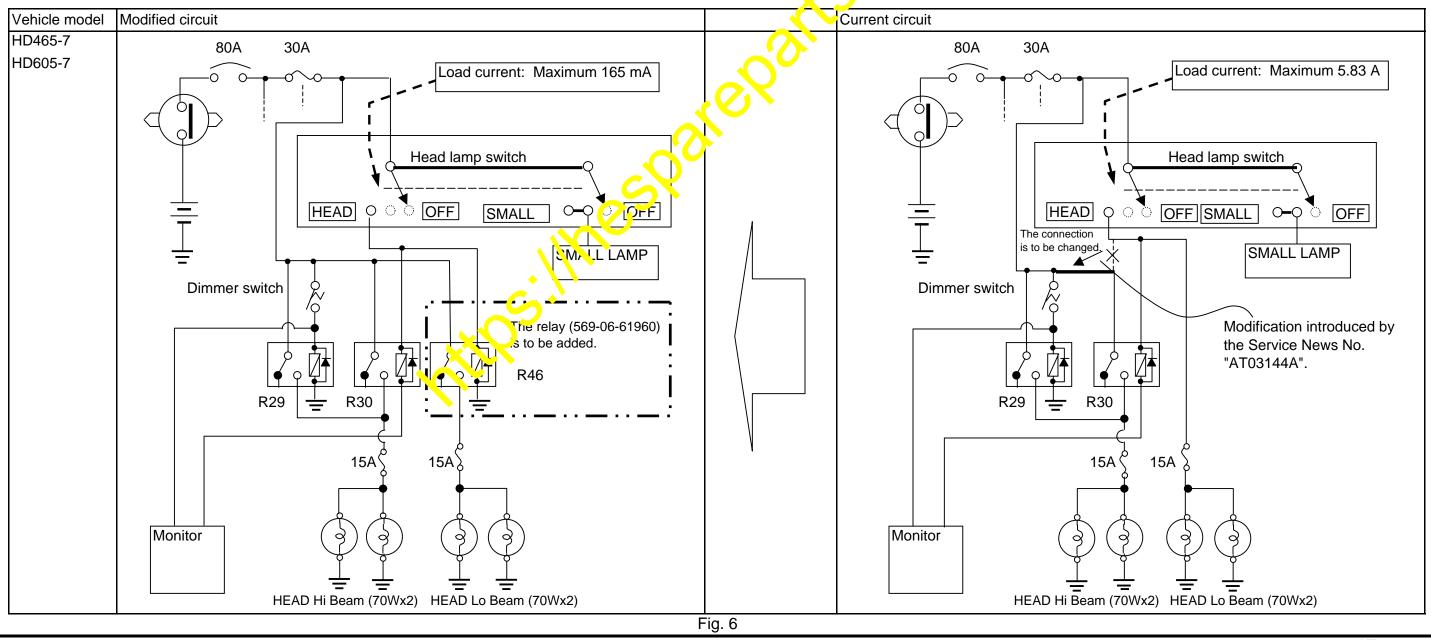
1. Details of the modification

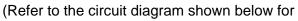
1) The head lamp switch is to be changed to an improved one with increased durability.

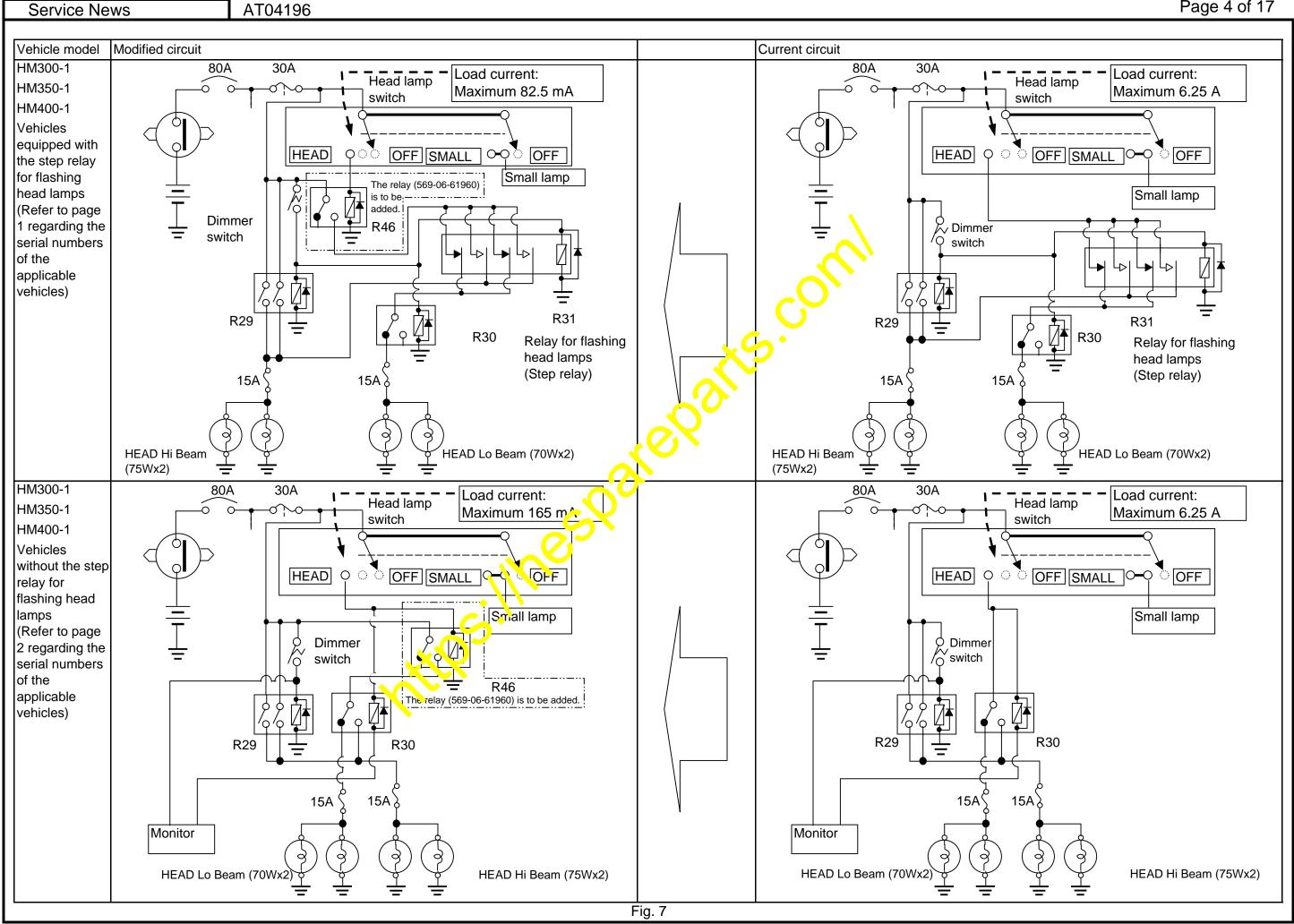


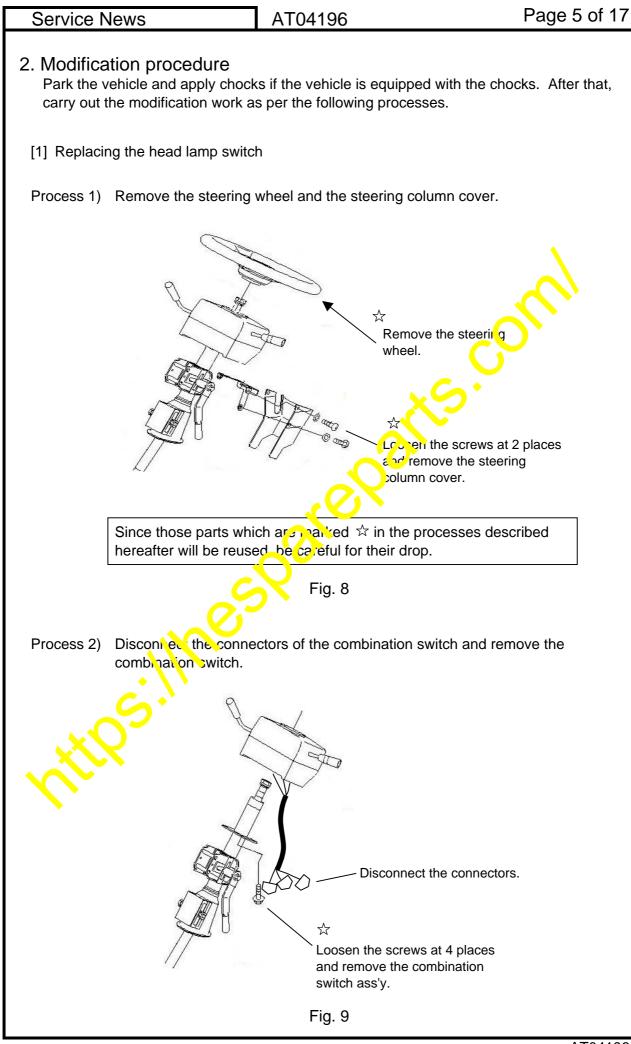


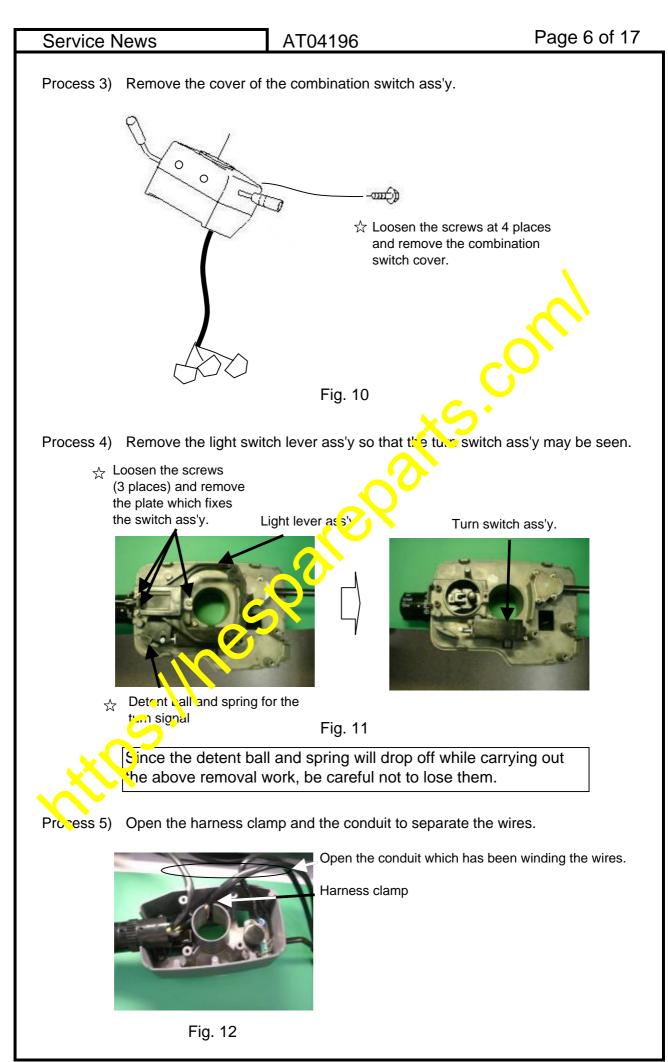
2) Since the current capacity of the head lamp switch is insufficient, the head lamp circuit is to be modified to reduce the electric current flowing through the contact. (Refer to the circuit diagram shown below for details.)

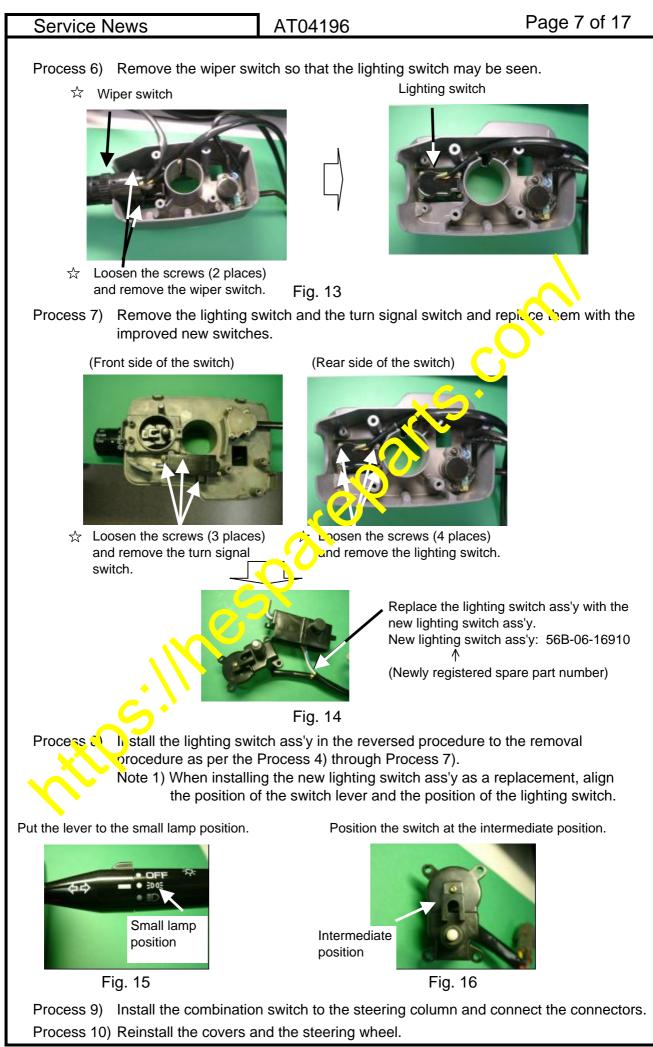




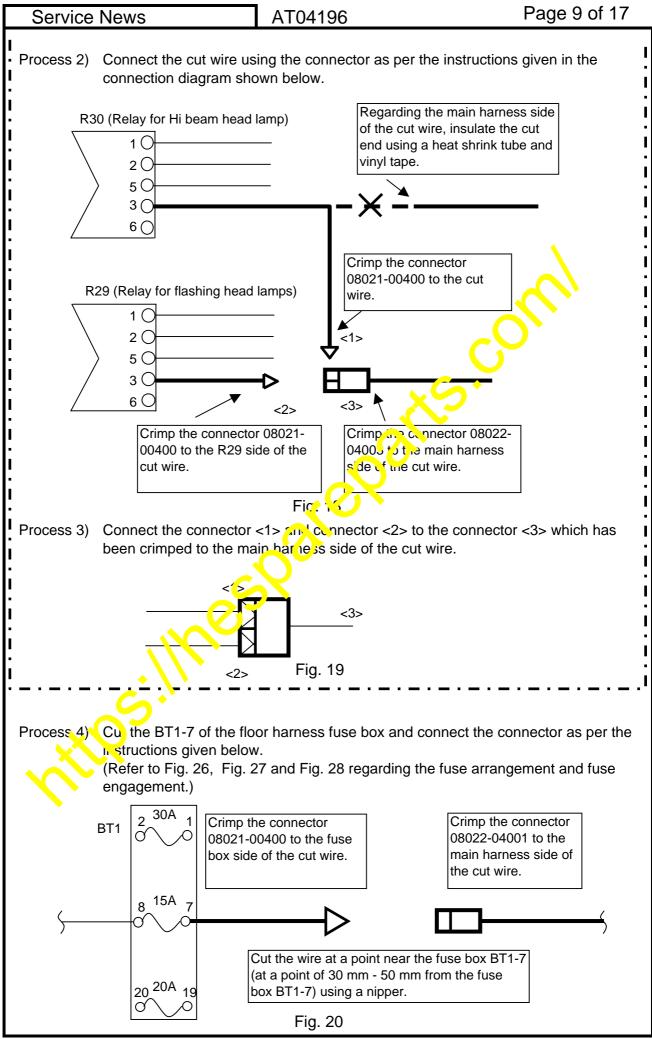


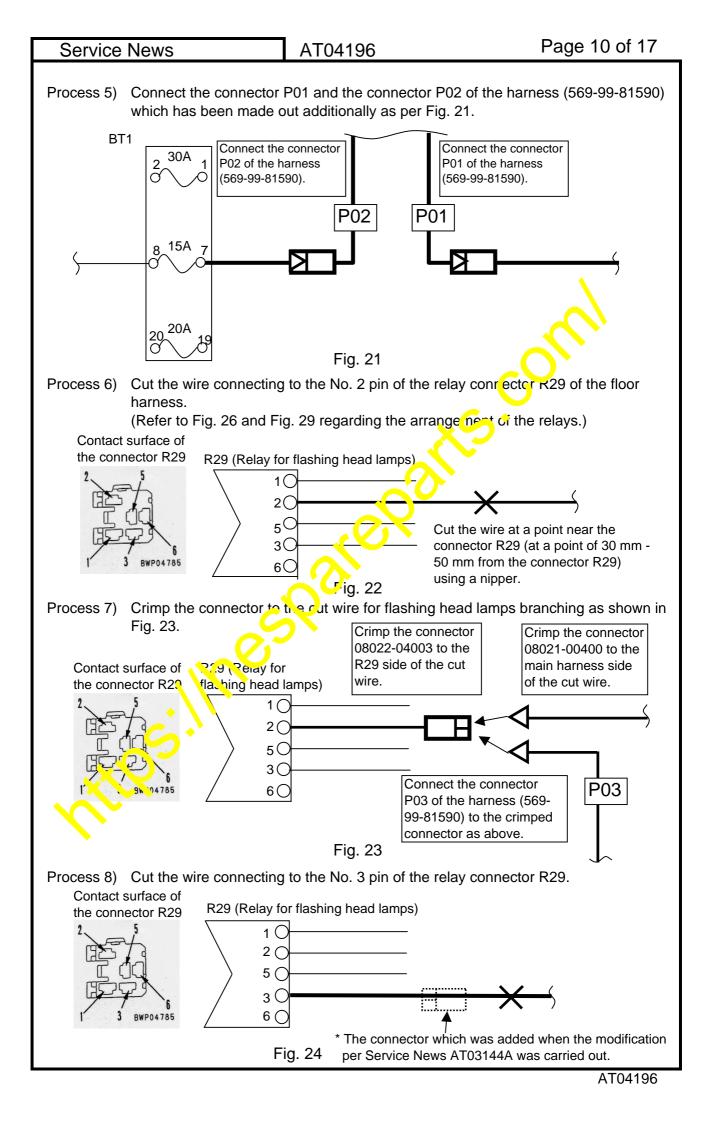


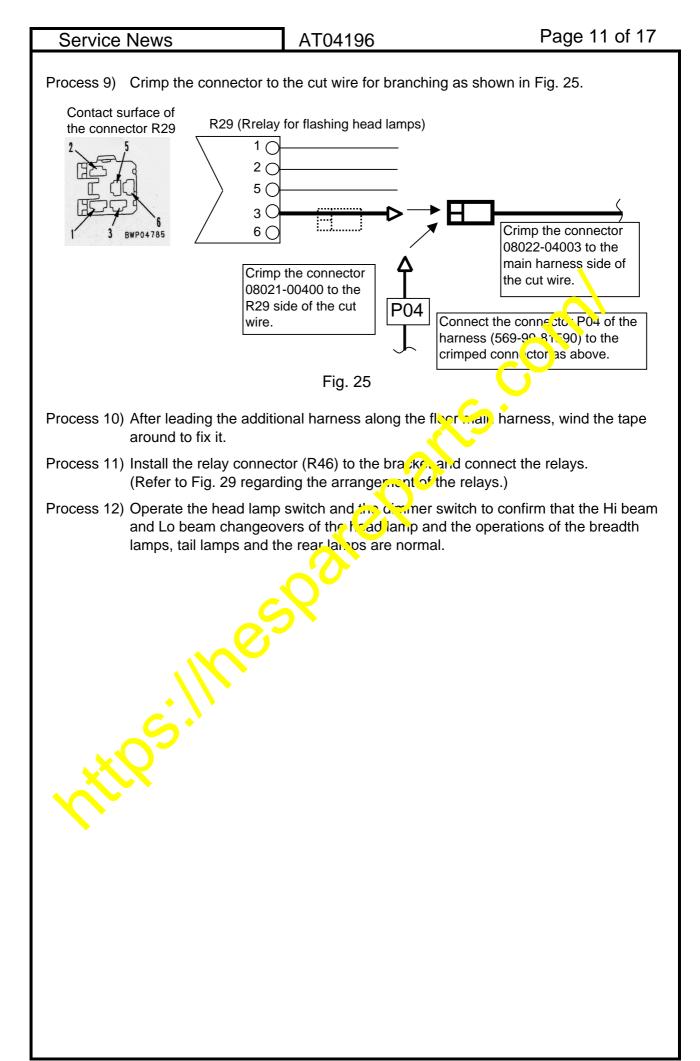


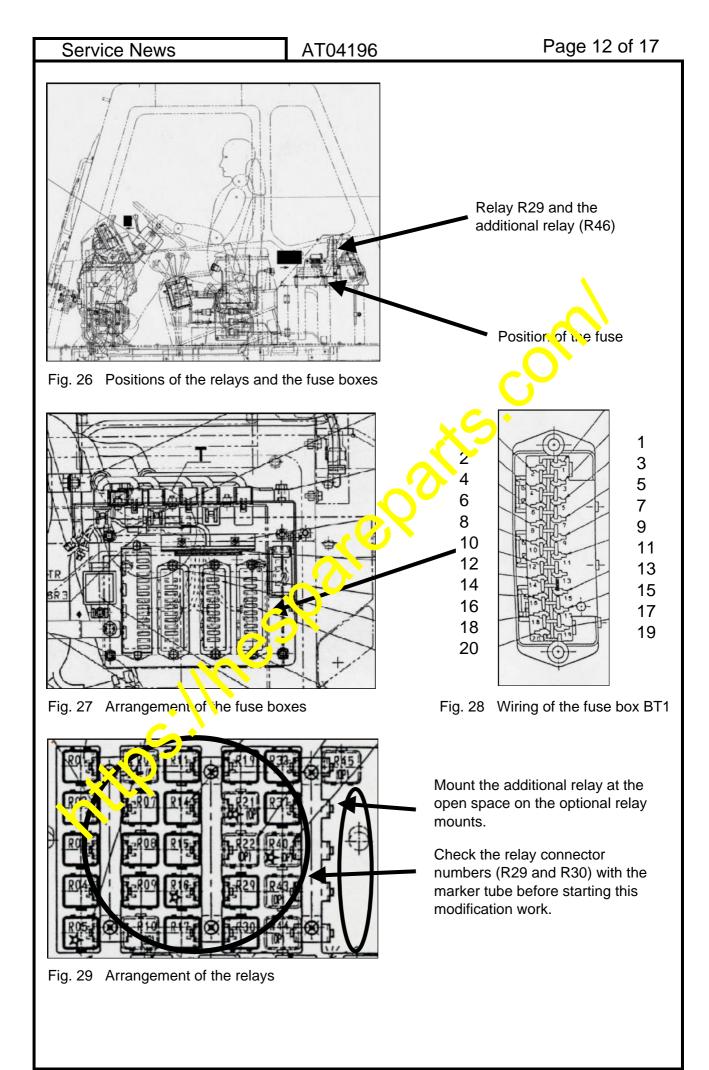


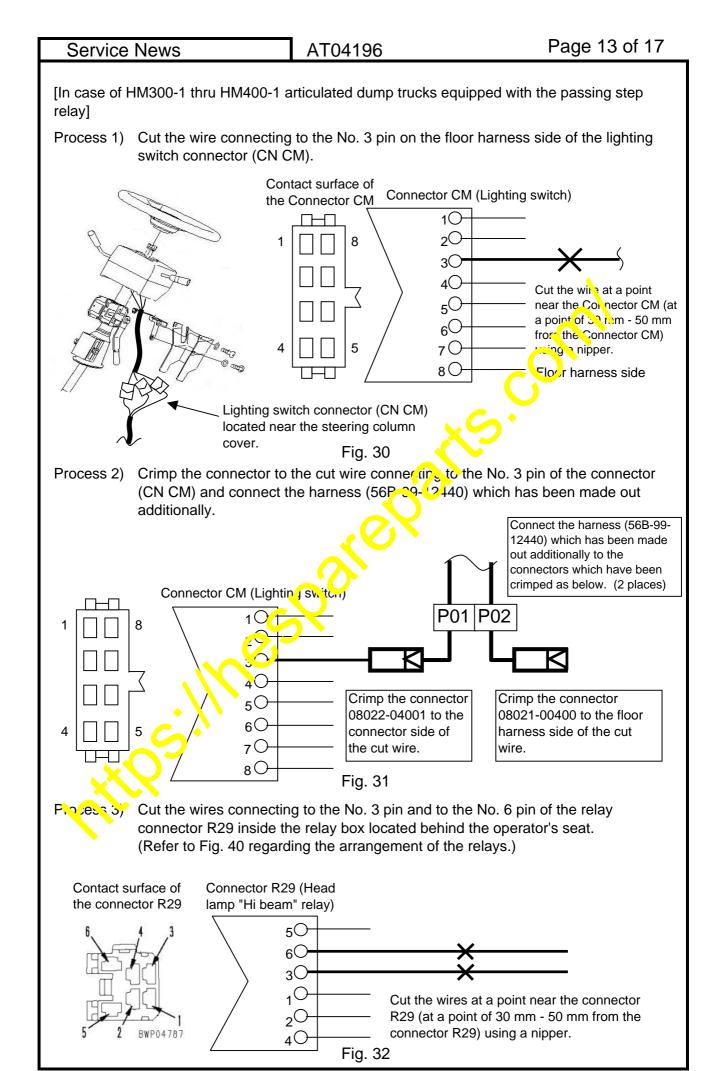
Page 8 of 17 Service News AT04196 [2] Using the arranged connectors, make the additional harness. (Refer to pages 1 and 2 regarding the shape of the harness and the circuit for each vehicle model.) In case of the HM300-1 thru HM400-1, the additional harness to be made as above and the modification procedure per the following Section [3] become different depending on if the step relay for flashing head lamps is attached or not. Although the serial numbers of vehicles equipped with or without the step relay for flashing head lamps are shown on pages 1 and 2, check that the step relay is on the actual vehicle by removing the dashboard cover before starting this modification work. (Refer to Fig. 39 regarding the arrangement of the relays.) [3] Connect the newly made out additional harness to the floor harness and add the relay to the head lamp circuit. HD465-7/HD605-7: Refer to pages 8 thru 12 HM300-1 thru HM400-1 being equipped with the step relay for flashing head lamps: Refer to pages 13 and 14. HM300-1 thru HM400-1 without the step relay for flashing head lamps: Refer to penel 15 thru 17. [HD465-7/HD605-7] Regarding the vehicles of the serial numbers applicable to the modification per me Service News No. AT03144A issued in October 2003 "Modification of lamp switch harness on HD-65-7 and HD605-7", the Process 1) thru Process 3) will become necessary only in case the modification per the Service News No. AT03144A has not yet been implemented. The Process 1) thru Process 3) will not be necessary in other cases than the above. (The Process 1) thru Process 3) will be the same as the modification introduced by the Service News No. "AT03144A".) • Vehicles with other serial numbers than those which are shown below: The Process 1) thru Process 3) are not necessary • Among the vehicles with the serial numbers show below, those vehicles which have been already modified as per the Service News No. AT0314 The Process 1) thru Process 3) are not necessary. • Among the vehicles with the serial numbers, hown below, those vehicles which have not yet been modified as per the Service News No. 5793144A: The Process 1) thru Process 3) accession and they must be carried out before going into the remaining Processes. (Serial numbers of the vehicles application to the modification per the Service News No. AT03144A.) HD465-7 : #7001 - #7069, #707<mark>/~ </mark>712⁵, #7127 - #7138, #7155 - #7167 HD605-7 : #7001 - #7052, #70<mark>-2/</mark>#1069 Process 1) Cut the wile connecting to the No. 3 pin of the relay connectors R30 and R29 of the floor harness. (Refer to Fig. 26 and Fig. 29 regarding the arrangement of the relays.) Contact state of R30 (Head lamp Hi relay) the connector R30 1 O 2(5 C 3(6 (Cut the wire at a point near the connector R30 (at a point of 30 mm - 50 mm from the connector R30) using a nipper. Contact surface of R29 (Passing relay) the connector R29 1 (2 (5 (3(6(Cut the wire at a point near the connector R29 (at a point of 30 mm - 50 mm from the Fig. 17 connector R29) using a nipper.

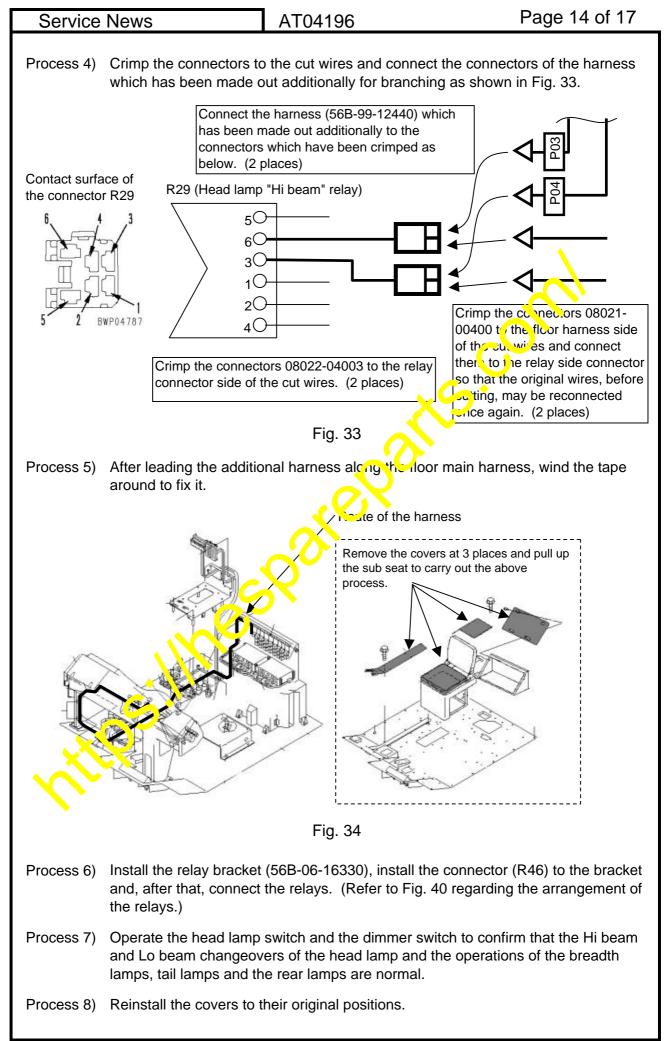


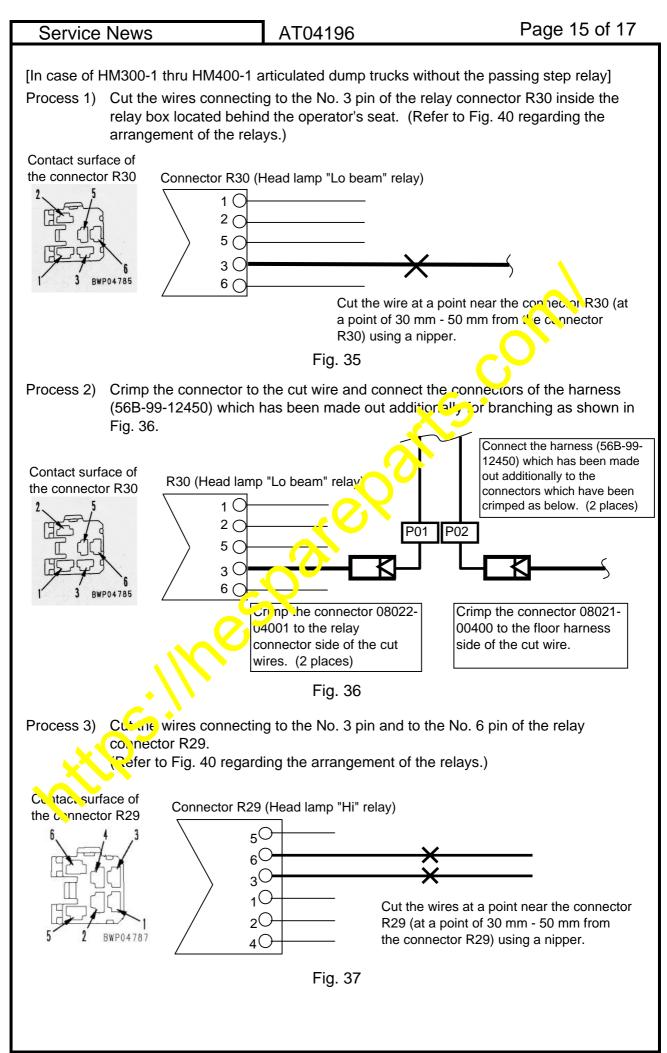


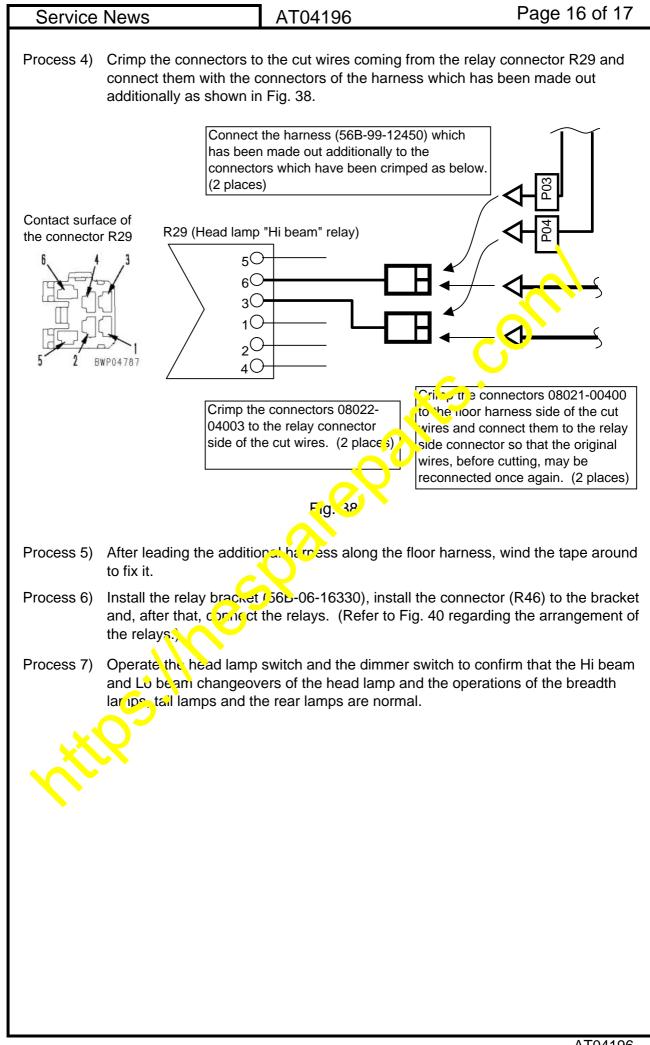


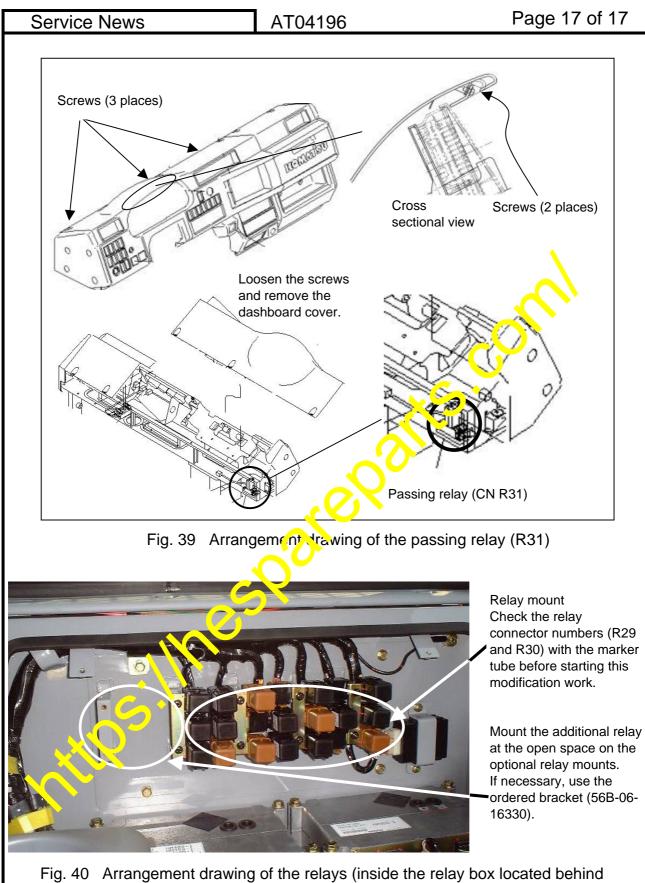












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