

PARTS & SERVICE NEWS

REF NO.	AT97252
DATE	Nov. 17, 1997

(C) Page 1 of 4

SUBJECT: IMPROVED FUSE BROKEN OF AIR CONDITIONER BLOWER MOTOR ON DUMP TRUCK

PURPOSE: To introduce modification procedures to prevent fusion of the fuse for the blower motor of the air conditioner on dump trucks of the models listed below.

APPLICATION: HD325-6 Dump Trucks
 HD405-6 Dump Trucks
 HD465-5 Dump Trucks
 HD605-5 Dump Trucks
 HD785-3 Dump Trucks
 HD985-3 Dump Trucks

} Refer to Page 2.

FAILURE CODE: 8716

DESCRIPTION:

1. Introduction

With dump trucks of the models listed above, when the power switch for the air conditioner is turned on, excessive current flows instantaneously to melt the fuse in the power circuit for the blower motor for the air conditioner. To prevent this failure, make the modification outlined in this Service News.

2. List of parts

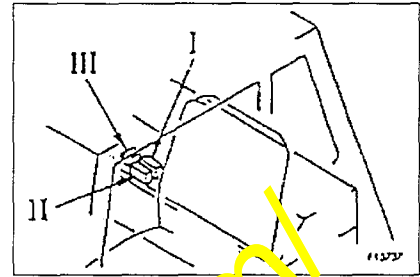
Part No.	Part Name	Purpose of part	Q'ty	Remarks
08041-02000 (283-06-16190)	Fuse (20A) (Fuse (10A))	Replacement	1 (1)	Use it for some other purpose.
561-93-61352 (561-93-61352)	Plate (Plate)	Reworked	1 (1)	

Applicable vehicles for this modification to prevent fusion of the fuse for the blower motor of the air conditioner on dump trucks HD325 thru HD985

Vehicle models	Serial numbers of applicable vehicles	
	Already shipped vehicles	Vehicles being shipped newly from the factory (This modification has already been made.)
HD325-6	#5576 – #5641 #5643 – #5649 #5656, #5657	#5642 #5650 – #5655 #5658 –
HD405-6	#1009 – #1023, #1027 #1029 – # 1039 #1041 – #1043	#1024 – #1026, #1028 #1040, #1044 –
HD465-5	#4461 – #4584 #4586 – #4595 #4599 – #4602 #4605 – #4617 (The fuse has already been replaced with the improved one with #4608 – #4617 and change the label only.)	#4585, #4596 – #4595 #4603 – #4604 #4618 –
HD605-5	#1007, #1009 – #1012	#1008, #1010, #1013 –
HD785-3	#2459 – #2517 #2519 – #2565	#2518, #2566 –
HD985-3	#1013 – #1015, #1017	#1012, #1016, #1018 –

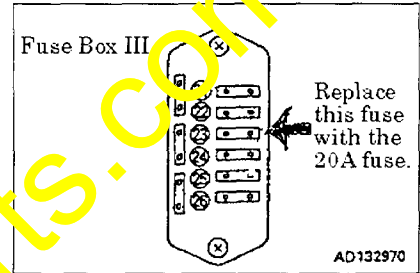
3. Replacing the fuse for the blower motor of the air conditioner and changing the nameplate

- 1) Replace the fuse (Fuse No. 23 in the fuse box III) for the blower motor of the air conditioner (10A → 20A (08041-02000)).

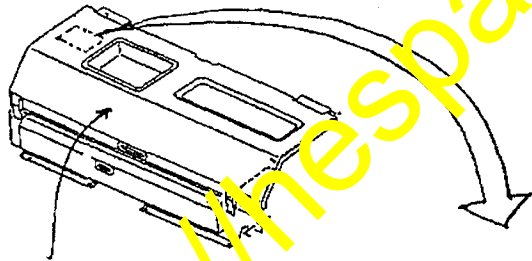


Fuse Box III

No.	Fuse capacities	Circuit names
23	10A	AISS motor (HD785-3 & HD985-3)
22	20A	Wiper motor, washer motor
➔ 23	10A → 20A	Blower motor for the air conditioner
24	10A	Air compressor
25	10A	Spare
26	20A	APS power (HD465-5 & HD605-5)



- 2) Open the cover located at rear of the operator's seat and correct the fuse capacity for the blower motor for the air conditioner on the fuse layout label being applied on the inner surface of the cover to "20A".



Rear cover

3 Air conditioner (Blower motor) 20A

Fuse table

BT3		
1	AISS Motor	10A
2	Wiper motor Washer motor	20A
3	Air conditioner (Blower motor)	20A
4	Air conditioner (Air compressor)	10A
5	Spare	10A
6	Spare	10A
	APS controller (HD465, HD605)	20A

BT1		
1	Radio/Stories	10A
	Rear brake chamber stroke sensor relay	10A
2	Horn switch	10A
3	Cigarette lighter	10A
4	Winker lamp	30A
	Fog lamp	10A
5	Neutral relay	10A
	Engine start relay	10A
6	Stop lamp + Room lamp	31A
	Head lamp (LO)	20A
	Head lamp (HI)	20A
7	Steer lamp (R/L)	10A
8	Backup lamp + Buzzer	10A
	Pre-heating tank relay (HD465-HD605)	10A
9	APS controller power relay	10A
	Ribbon heater relay	10A
	ABS stop relay	10A
	Brake oiling solenoid	10A
	PCV relay solenoid	10A
	Shift controller	10A
	Autoturn solenoid	10A
	Exhaust brake solenoid	10A

BT2		
1	Engine controller	10A
	Governor cut relay	5A
2	Electronic display panel	5A
	Temperature sensor	5A
	Captain pilot lamp	5A
3	Wrist controller	5A
4	Maintenance monitor	5A
	Payload meter	5A
5	Payload relay	5A
6	External indicator lamp for the payload meter	20A
7	Saving switch	10A
	radio backup	10A
8	Emergency engine stop ahead	10A
	Engine stop motor	10A
9	Emergency steering	10A
	Spare (For ?? circuit)	10A

4. Correcting the Operation and Maintenance Manual

Correct the fuse capacity for the fuse No. 23 of the Fuse Box III in Paragraph “Fuse capacity and circuit name” in Section 12.7 “Fuse” in Chapter 12 “Explanations of each device” of the Operation and Maintenance Manual.

(Fig. 2 blow shows where to correct in the Operation and Maintenance Manual.)

12.7 Fuse

⚠ WARNING

- When replacing a fuse, be sure to turn off the power switch. (Turn off the starting switch.)
- When replacing a fuse, always do so with a fuse of the same capacity and type.

Fuses protect electric equipment and wiring from burning. When a fuse is found corroded producing white powder-like substance or when the fuse holder and fuse are found loose, replace the fuse.

■ Fuse capacity and circuit name

Fuse Box III

No.	Fuse capacities	Circuit names
21	10A	AIR motor
22	20A	Wiper motor, washer motor
23	10A	Blower motor for the air conditioner
24	10A	Air compressor for the air conditioner
25	10A	Spare
26	20A	APS power

When using the blank fuse terminal, consult with our office or our dealers.

Correct this figure to “20A”.

