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PARTS & SERVICE NEWS

REF NO.	A930002	
DATE	Feb. 18, 1993	

SUBJECT:

IMPROVEMENT FOR FACILITATING THE CLEANING OF AIR CONDITIONER

EVAPORATORS

PURPOSE:

To introduce modifications of the air conditioners to facilitate cleaning of the

evaporator, thereby preventing the evaporator clogging and functional

deterioration of the air conditioner system.

APPLICATION:

WA500-1 Wheel Loaders, Serial Nos. 20001 thru 20510

WA600-1 Wheel Loaders, Serial Nos. 10001 thru 11213

WA700-1 Wheel Loaders, Serial Nos. 10001 thru 10095

WA800-1 Wheel Loaders, Serial Nos. 10001 thru 10499

WA800-2 Wheel Loaders, Serial Nos. 10501 thru 10528

WA500-1L Wheel Loaders, Serial Nos. A20854 to up

WA600-1L Wheel Loaders, Serial Nos. A10391 and up

DESCRIPTION:

Introduction

Air conditioning system evaporators may become clauded with dust and debris when loaders are at work in dusty environments. Evaporator clogging will reduce air conditioner operating efficiency significantly. Changes have been implemented to enhance access allowing improved evaporator cleaning. Futhermore, intake air filter and air conditioner box sealing have been improved.

These improvements may be policed to previously built machines that operate in dusty conditions. Please follow the instructions contained in this BULLETIN.

NOTES:

- 1. For the evaporator cleaning procedure, refer to Par. 5.
- 2. These modification procedures are applied only to those machines which are equipped with air conditioners manufactured by Nippon Denso (Ltd.). Please controller.



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2. Parts required for the modifications:

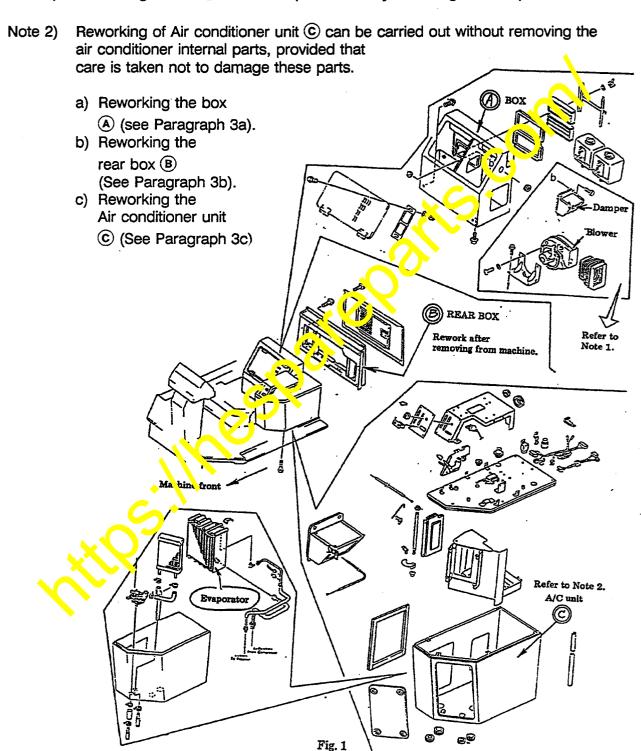
Part No.	Part Name	Q'ty	Remarks	
01580-00605	Nut	4		
428-963-1410 *(Note)	Seat	1	For reworking the box	
★ 425-54-13380	Plate	1		
★425-54-13390 *(Note)	Plate	1	For reworking the rear box	
426-54-13130	Seat	1		
01571-01016	Seat	1		
01571-00609	Seat	4	For reworking the A/C unit	
198-911-5420	Grommet	1		
01435-00610	Bolt	2	For installing to the box	
423-T43-1430	Filter Inner	2		
01435-00610	Bolt	4		
★ 01	Cover	1	For installing to the A/C unit	
★ 02	Sheet C	1		

^{*(}Note) On WA600-1 (Serial Nos. 1000) thru 11213) and WA800-1 (Serial Nos. 10001 thru 10499), the above parts need not be obtained or reworked.

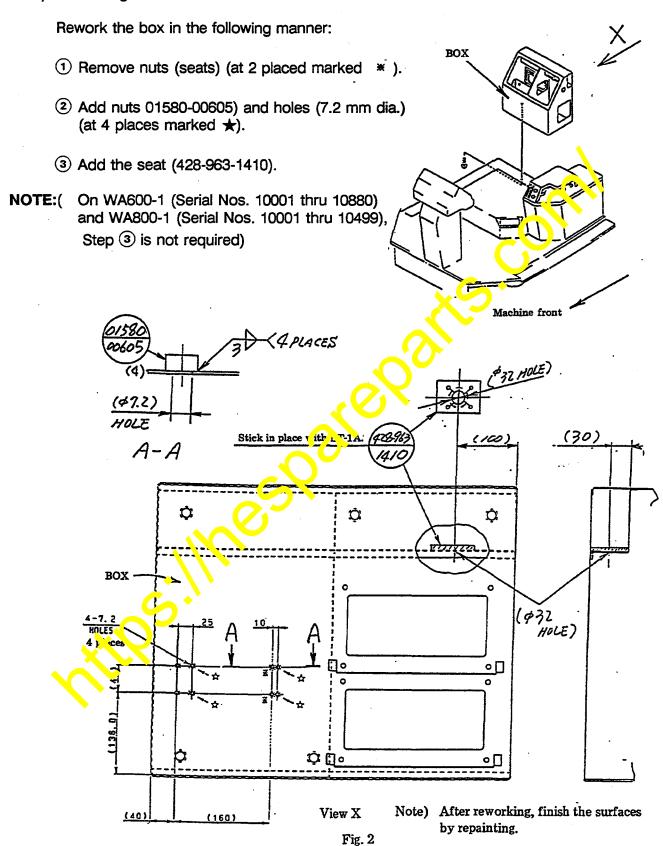
3. Reworking procedures:

Rework the parts marked (A), (B) and (C) in Fig. 1, referring to the subsequent pages.

Note 1) Reworking of box (A) should be proceeded by removing the damper and blower.

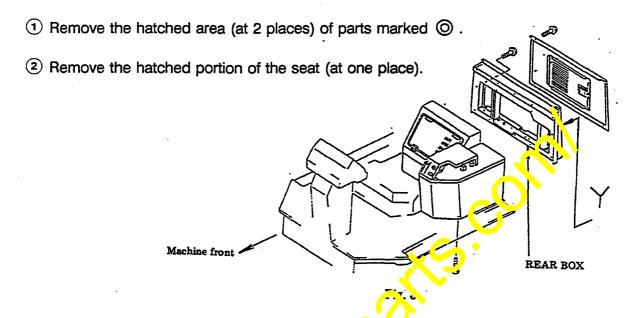


a) Reworking the box

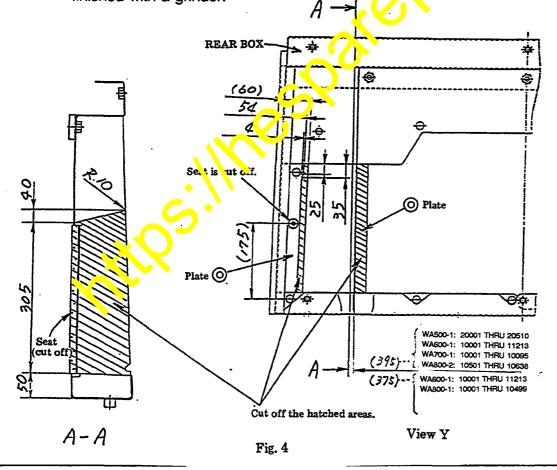


b) Reworking the rear box

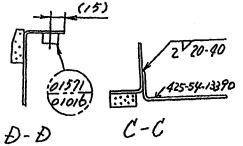
Rework the rear box in the following manner.



NOTE:) The edge of the plates and seat from where the hitched areas were cut off should be finished with a grinder.



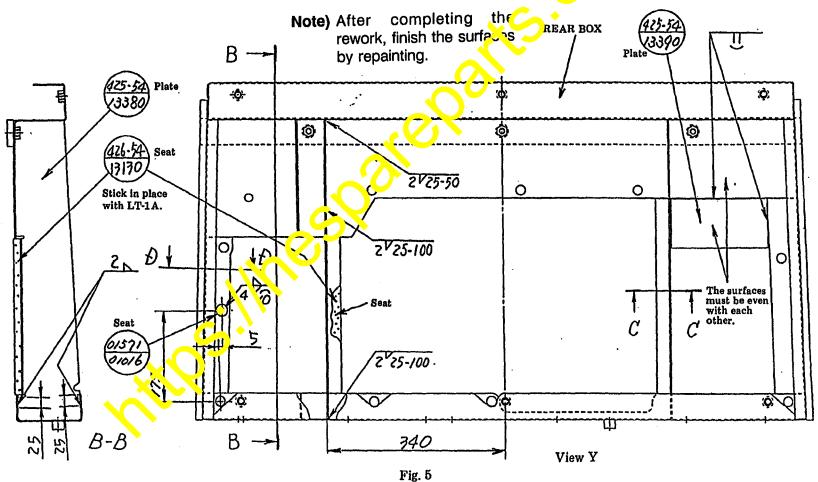
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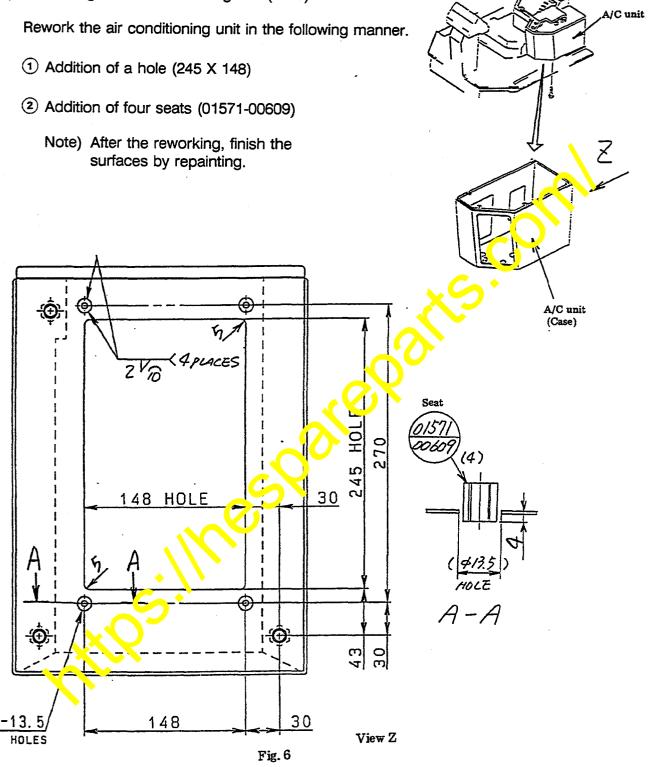
- (3) Addition of plate (425-54-13390) (See Note)
- 4 Addition of plate (425-54-13380)
- **(5)** Addition of seat (426-54-13130)
- **6** Addition of seat (01571-01016)

NOTE:

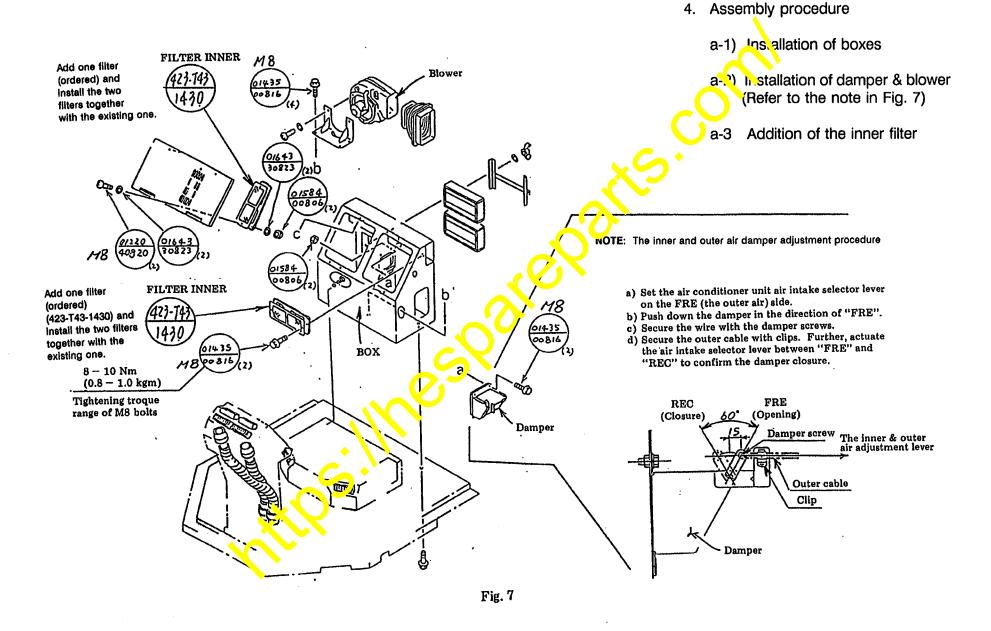
Reference item ③ "the addition of plate (425-54-13330)" is not required on WA600-1 (#,0001 thru #10880) and WA800 (x,10001 thru #10499).

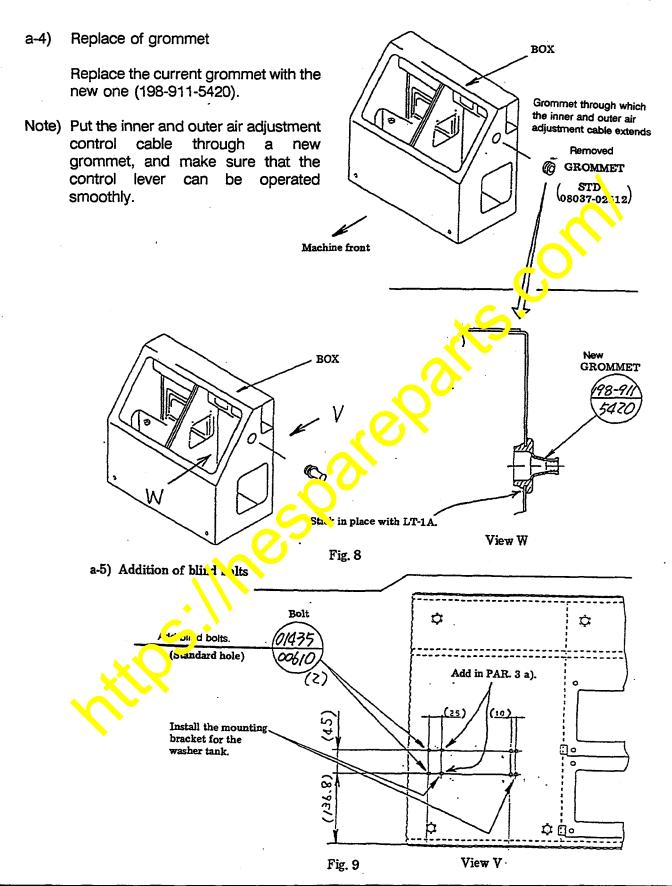


c) Reworking the air conditioning unit (case)



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b) Installation of air conditioner unit cover

Install the cover 1 and sheet 2 to the air conditioner unit rear side.

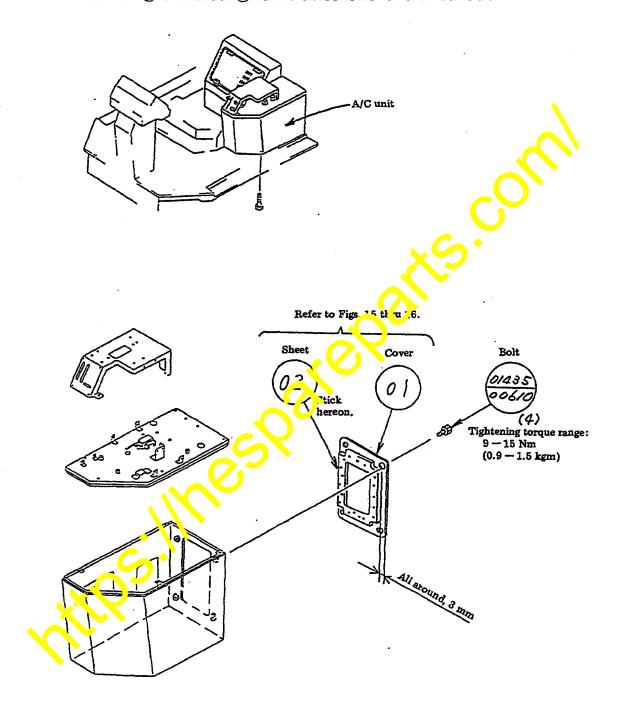
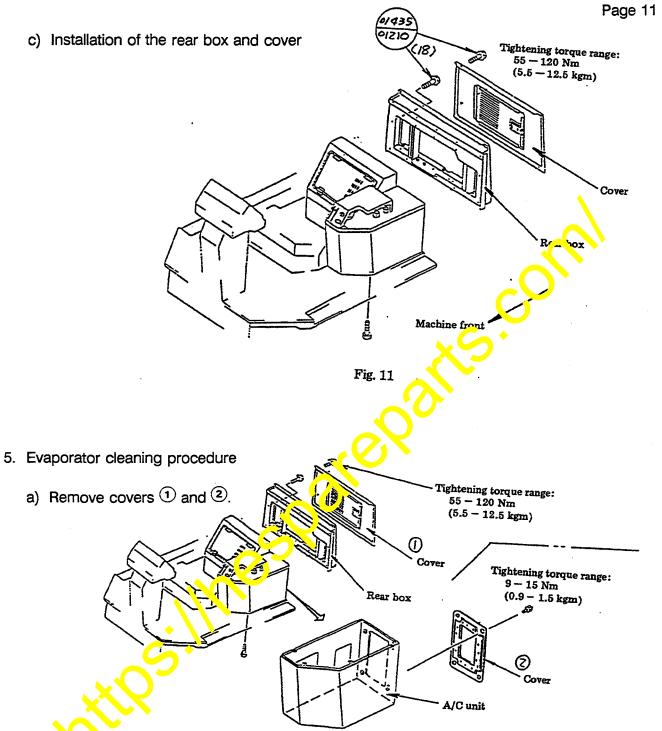


Fig. 10



- b) Renove dust from the evaporator fins with a cleaner, etc. Take extreme care not to bend or break the fins.
 - ★ Evaporator clogging depends a great deal on the operating frequency of the air conditioner and the dust conditions of the job site.

Cleaning intervals should be determined depending on worksite conditions.

Part No. : 425-54-13390

Part Name: Plate Material: SS400

Q'ty : 1 sl

: 1 sht/machine

Painting : Rust-preventive painting

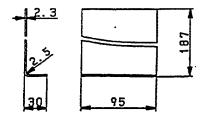


Fig. 13

A-A

Part No. : 425-54-13380

Part Name: Plate Material: SS400

Q'ty : 1 sht/machine

Painting : Rust-preventive painting

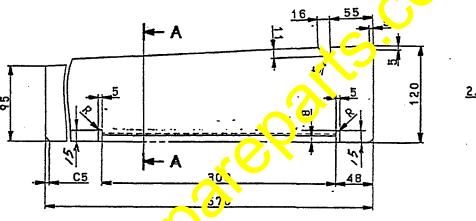


Fig. 14

Part No. (SYM): 01

Part Name : Cover

Material : SS 40.

Q'ty : sh /machine

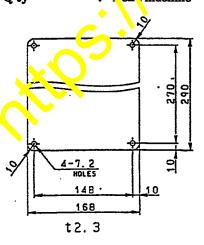


Fig. 15

Part No. (SYM): 02
Part Name: Sheet

Material : Sponge rubber or equivalent

Q'ty : 1 sht/machine

