

INSTALLATION MANUAL

REF NO.	B930051
DATE	July 30, 1993

- SUBJECT:** ADDITIONAL AIR DUCTS ADDED TO AIR CONDITIONERS
- PURPOSE:** To introduce modification of the existing air conditioner by installing additional air ducts to improve operating efficiency.
- APPLICATION:** WA500 thru WA800-2 Wheel Loader equipped with air conditioner
- DESCRIPTION:**

1. INTRODUCTION

Parts necessary for the addition of air ducts to the existing air conditioners are now available. This **INSTALLATION MANUAL** describes the field modification procedure for installing additional ducts to the existing air conditioner. Also, please refer to **PARTS & SERVICE NEWS A930002** for Improvement Facilitating Air Conditioner Evaporator Access and Maintenance.

<https://hespareparts.com/>

2. OUTLINE OF THE MODIFICATION

New air outlets are provided at the L.H. and R.H. Rear corners of the cab to enhance the air conditioners operating efficiency.

Air for the additional outlets is available from the area near the blower main duct. This is because such air was not fully utilized in the original arrangement due to resistances created by the piping resulting in a reduced volume of cool air being emitted from the center console grilles.

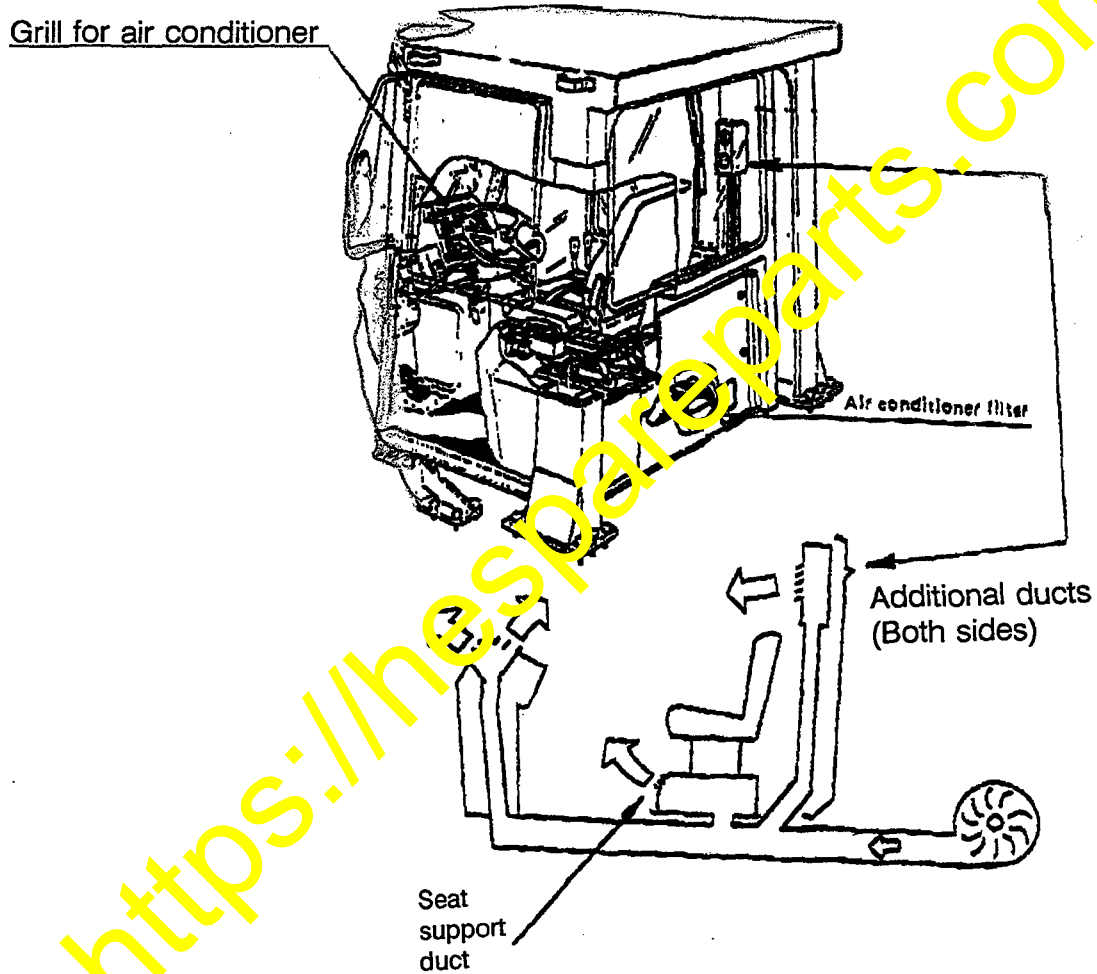


Fig. 2

3. THE FOLLOWING PARTS SHOULD BE OBTAINED FOR THE MODIFICATION

PART NO.	PART NAME	Q'TY	REMARKS
423-T46-1310	DUCT	1	
423-T46-1320	DUCT	1	
424-06-12940	RIVET	8	
421-56-21410	GRILLE	2	
01220-40512	SCREW	8	
01601-20513	WASHER	8	
01641-20508	WASHER	8	
421-07-12810	CONNECTOR	4	
423-T46-1350	HOSE	2	
565-07-15170	CLIP	4	
01435-00612	BOLT	4	
01584-00605	NUT	4	
419-43-18281	SPACER	1	
01220-70620	SCREW	1	
423-T46-1330	TUBE	2	
01435-00812	BOLT	1	
423-07-11110	INSULATOR	2	
419-54-12490	SHEET	2	

4.REWORKING PROCEDURE

(1) Reworking the floor frame

- ① Remove the operator's seat and the L.H. cover① (marked ★ in Figure 3).
- ② Drill holes into the floor frame, referring to Figure 4.

Note: Since insulators are installed inside the area to be removed, Do not cut with an acetylene torch. Use only hole saws or similar means.

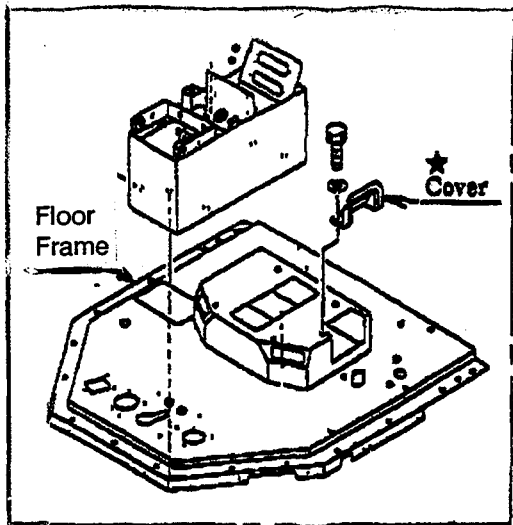


Fig. 3

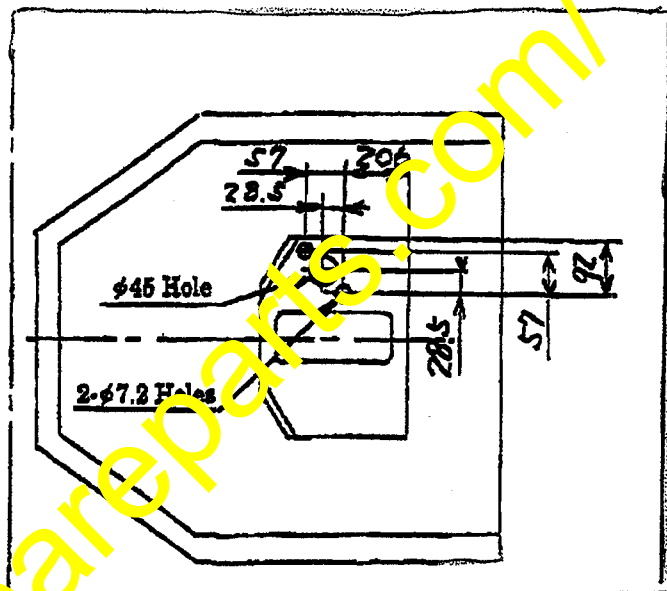


Fig 4. Reworking the floor frame

(2) Reworking the cover

Drill holes in the cover ① marked ★ in Figure 3, referring to Figure 5.

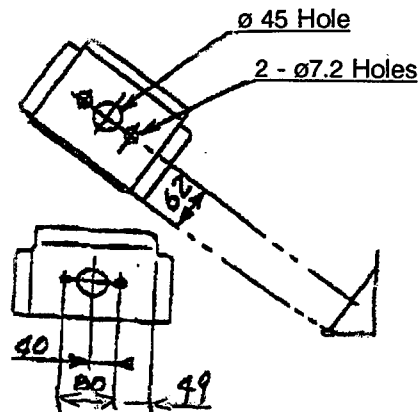


Fig. 5

(3) Reworking the cab

Drill holes at four places on each side for rivets, refer to Figure 6.

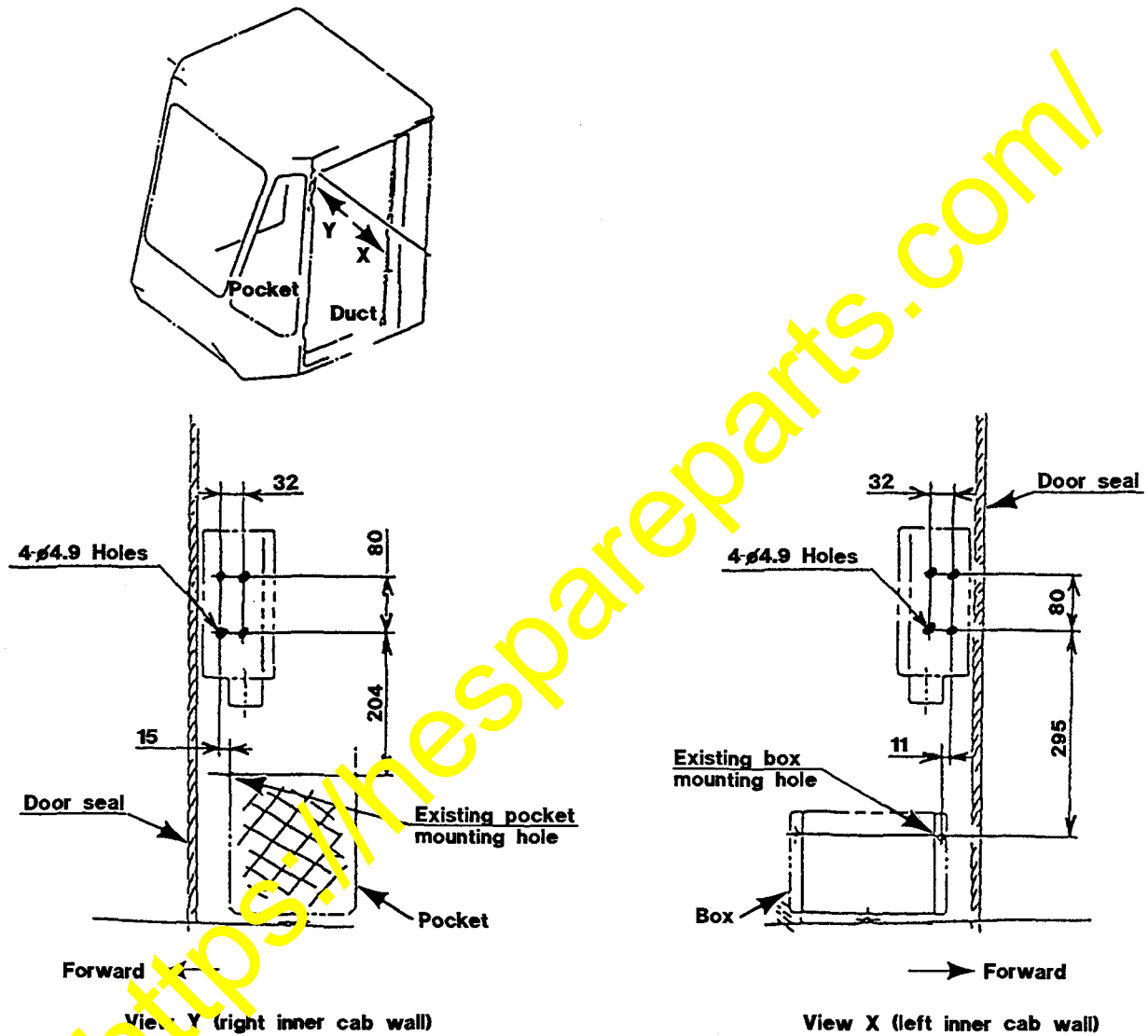


Fig. 6

5. ASSEMBLY PROCEDURE

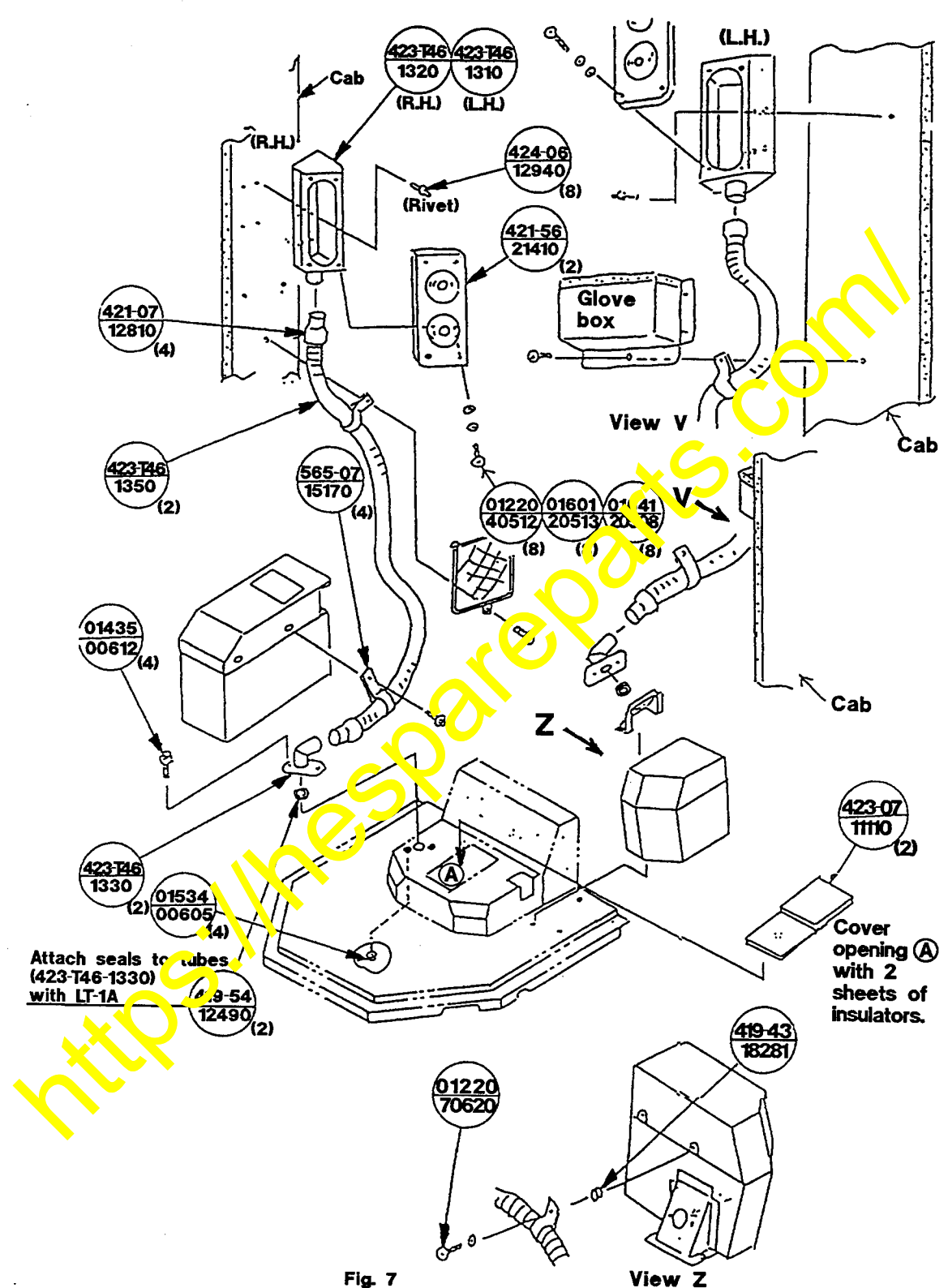


Fig. 7

View Z