

# PARTS & SERVICE NEWS

REF NO. AA03032A

DATE November 22, 2004

Page 1 of 8

*This Parts And Service News replaces AA03032 dated February 20, 2003 which should be discarded.*

**SUBJECT:** REPAIR PROCEDURE FOR BRACKET ON RETURN HYDRAULIC PIPING

**PURPOSE:** To introduce modification procedure to repair cracks occurring in the hydraulic return pipe fastening bracket on WA800-3 and WA900-3 wheel loaders

**APPLICATION:** WA800-3 Wheel Loader Serial Number 50001 through 50049  
 WA800-3LC Wheel Loader Serial Number A50001 through A50025  
 WA800L-3 Wheel Loader Serial Number 52001 through 52002  
 WA900-3 Wheel Loader Serial Number 50001 through 50041  
 WA900-3LC Wheel Loader Serial Number A50001 through A50031  
 WA900L-3 Wheel Loader Serial Number 52001 through 52003

**FAILURE CODE:** 6A0CHA

**DESCRIPTION:** There is a possibility of occurring cracks in the return pipe mounting bracket installed to the hydraulic tank on the WA800-3 and WA900-3 wheel loaders, starting from the welded end. When cracks occur, make the modification to change the return pipe fastening bracket to the reinforced new part following the modification procedure being outlined in this Service News. On WA800 (#50030 and after) and WA900 (#50027 and after), insufficient rigidity in the hydraulic tank mount bracket may cause crack to grow in return piping welded joints. If the above failure is found, make the modification to repair it following this Service News.

## MACHINE PREPARATION

1. Park the machine on a flat level surface; lower the work equipment to the ground. Shut off the engine and cycle the controls to remove any residual hydraulic pressure from the work equipment circuits. Turn the parking brake switch on and block any tracks or wheels if necessary.
2. Remove the key from the ignition switch until the repairs are complete. Place a tag on the steering controls advising: "This machine is being repaired. It should not be started or moved for any reason until the tag is removed by the person doing the repairs."



**WARNING!** Observe all safety and precautionary standards as dictated by the environment and work conditions under which the equipment will be inspected, reworked and repaired. consult the "Shop Manual" and "Operator's and Maintenance Manual" and your "Komatsu district service manager" with any/all questions regarding safety.

## Remark

*These instructions are intended to supplement the service data contained in the appropriate "Shop Manual". Always refer to that manual for Removal, Installation, Disassembly and Reassembly instructions when not contained in this document.*

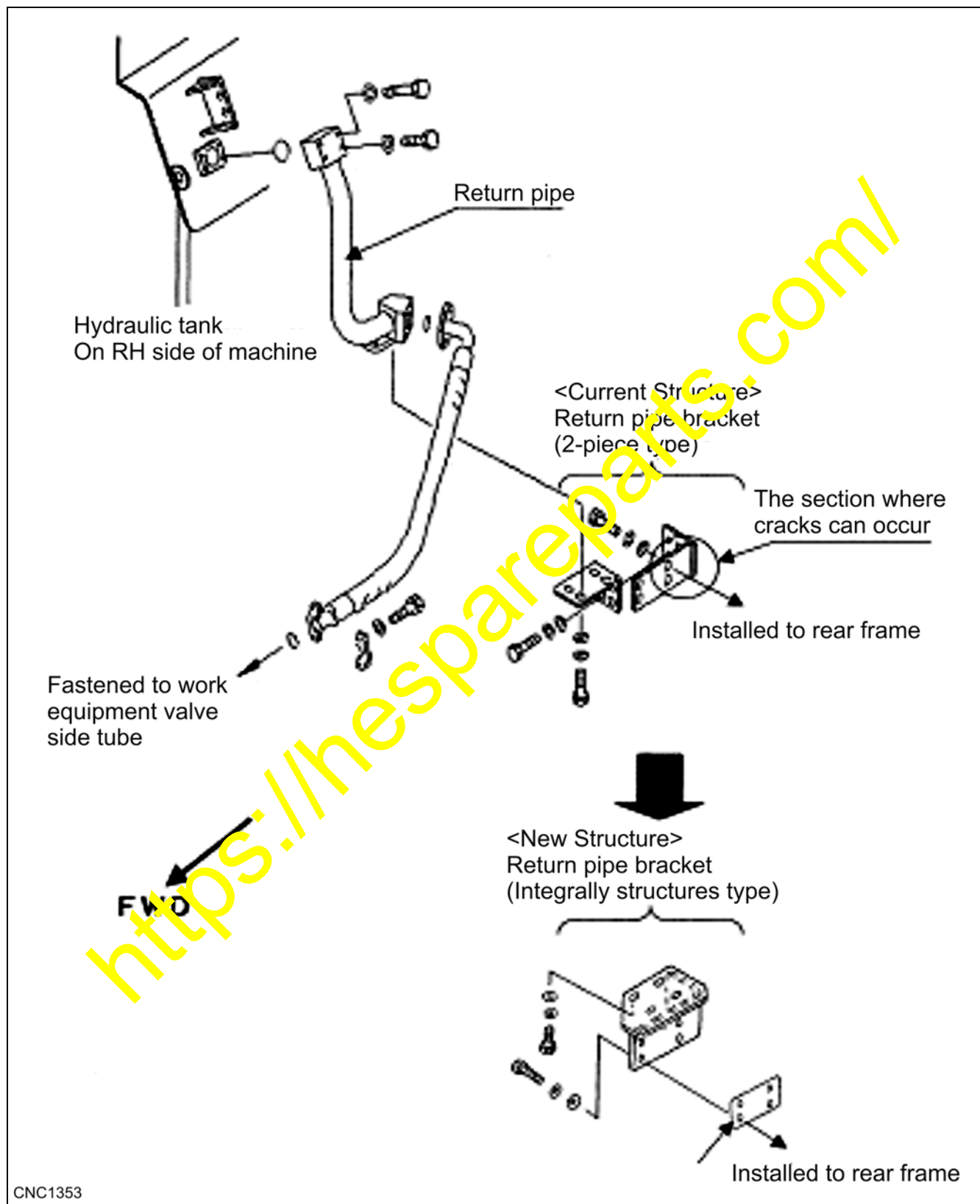
**PART LISTING**

No.	Part Number	Description	Qty.	Remark
1	(427-62-15121)	(BRACKET) . . . . .	1	REPLACEMENT
2	(427-62-25510)	(BRACKET) . . . . .	(1)	
3	427-62-25540	SPACER . . . . .	3	ADDTIONAL
4	01010-81640	BOLT . . . . .	8	REPLACEMENT
5	(01010-81645)	(BOLT) . . . . .	(4)	
6	01643-31645	WASHER . . . . .	8	ADDTIONAL
7	01643-31845	WASHER . . . . .	8	
8	01010-81650	BOLT . . . . .	4	
9	01010-81645	BOLT . . . . .	4	
10	427-62-25531	BRACKET . . . . .	1	
11	01010-81645	BOLT . . . . .	4	
12	01010-81640	BOLT . . . . .	4	
13	01643-31645	WASHER . . . . .	8	
14	427-60-25113	HYDRAULIC TANK . . . . .	1	ADDTIONAL
15	427-62-23111	TUBE . . . . .	1	
16	(427-62-23110)	(TUBE) . . . . .	(1)	REPLACEMENT
17	427-46-12340	SEAT . . . . .	1	

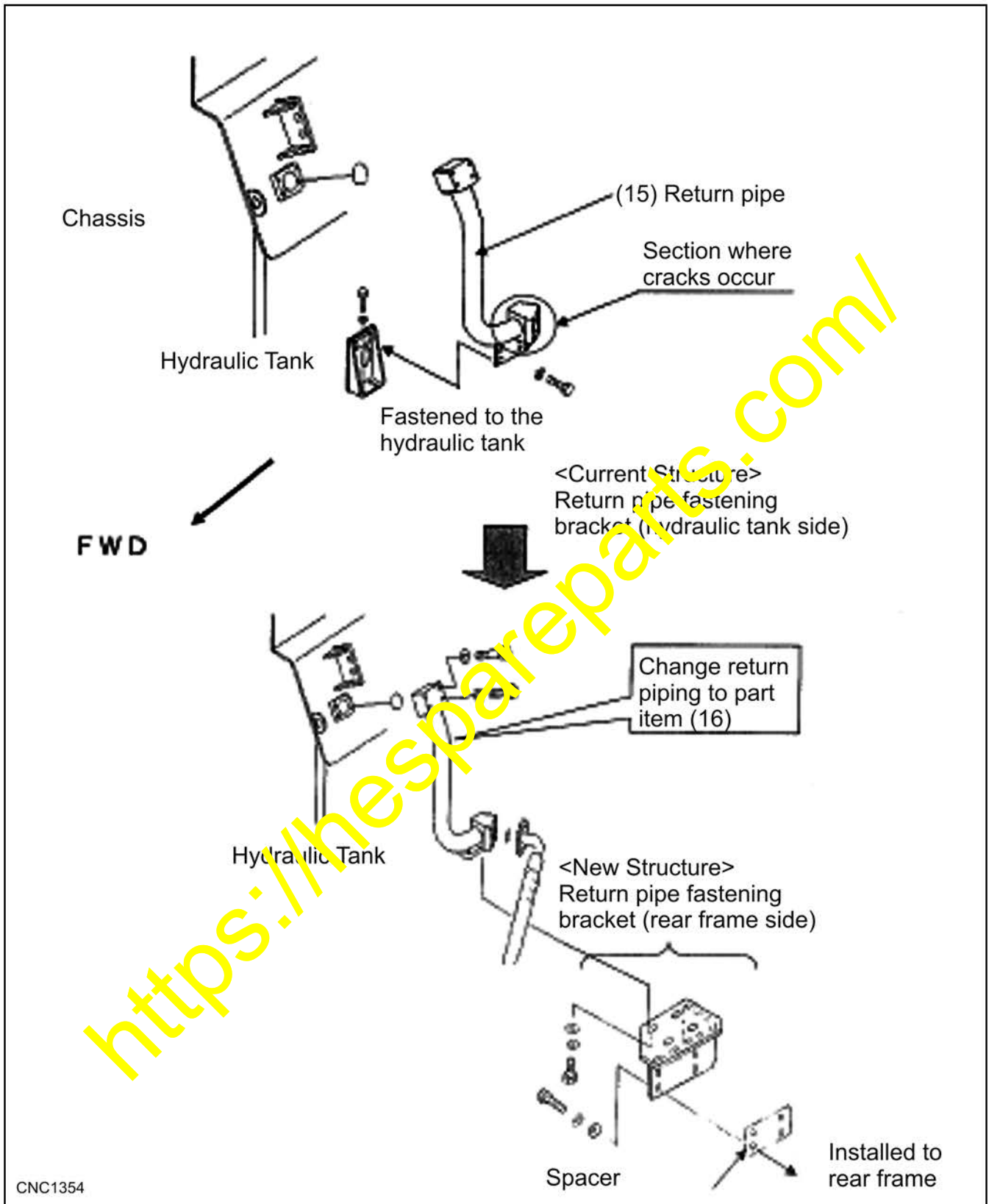
<https://hespareparts.com/>

### DETAIL OF MODIFICATION

To change return piping mounting bracket to new part

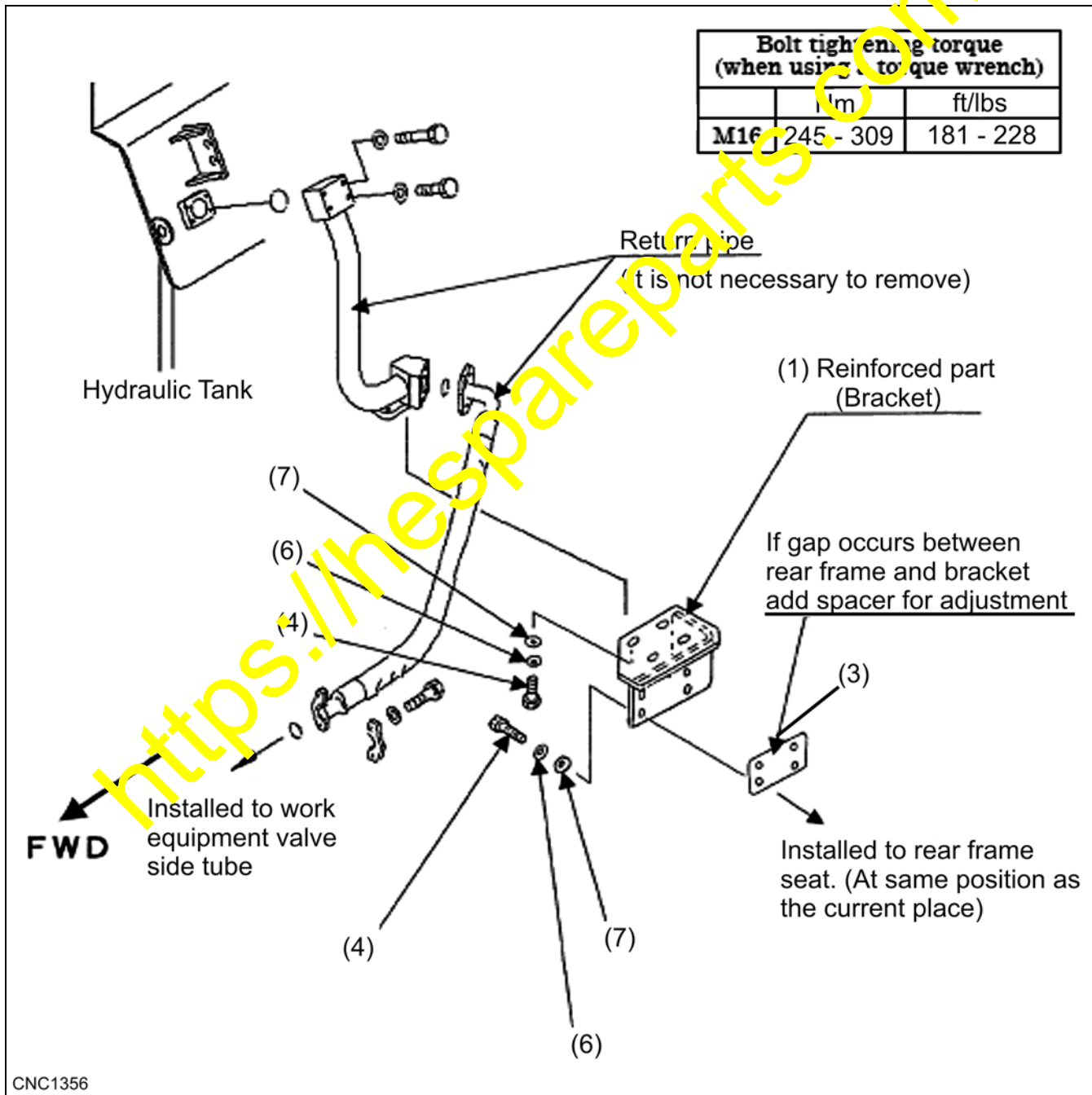
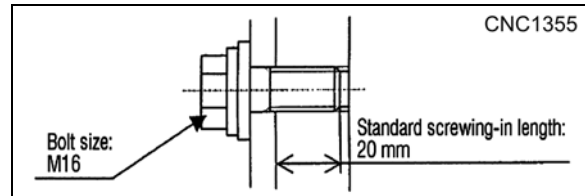


CNC1353

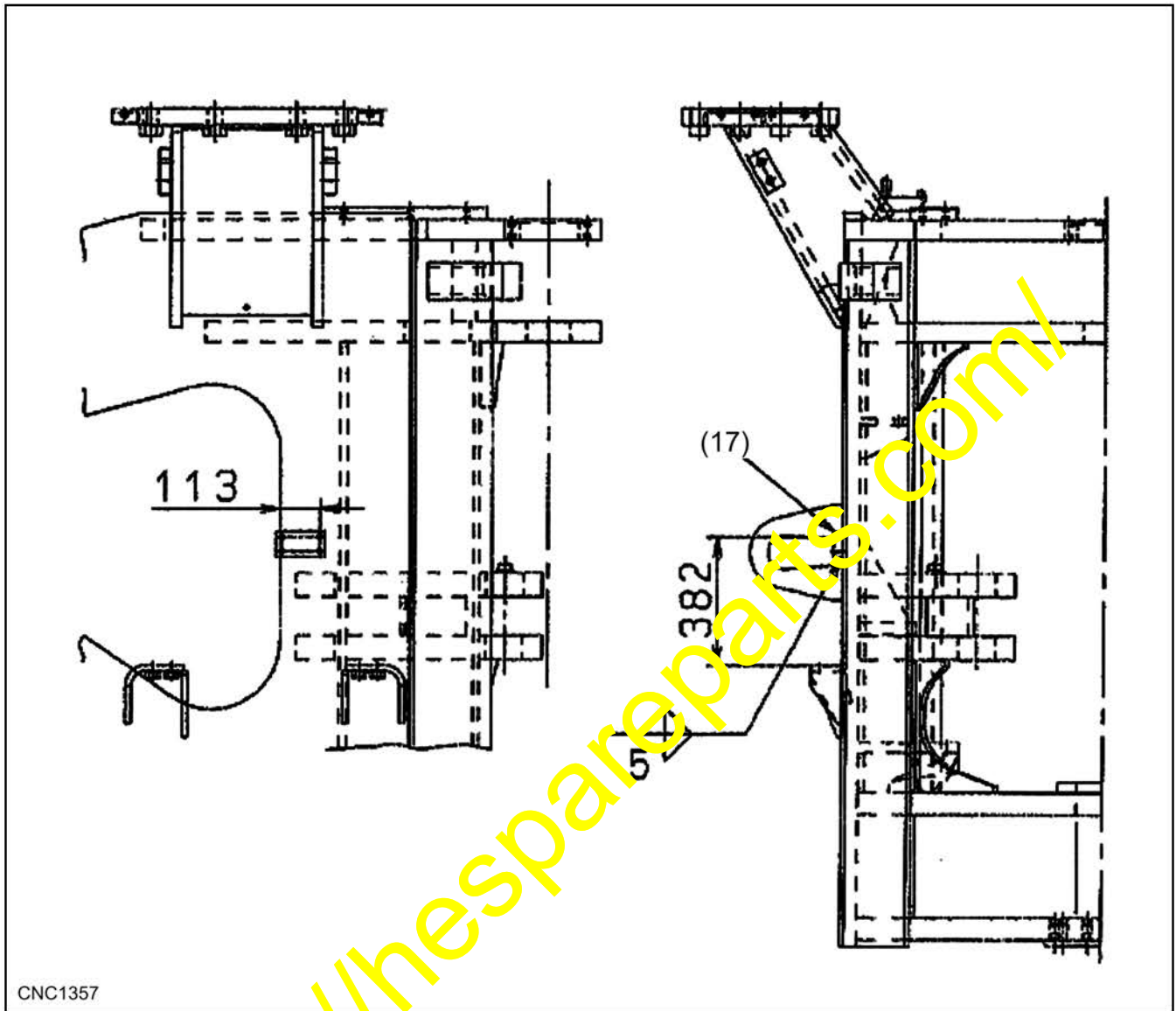


### MODIFICATION PROCEDURE

- Replace the current bracket to the new reinforced bracket as per the instructions given in the drawing below.
- When it becomes necessary to use a spacer on the mounting side to the rear frame, use spacer (427-62-25540). If the screw-in length of the bolts cannot be maintained at the standard length by addition of the spacer, change the bolts so screwing-in length may become the standard length indicated on the RH side. (These new bolts are being indicated on the list of parts.)
- Refer to the table on the RH side regarding the tightening torque for the bolts.

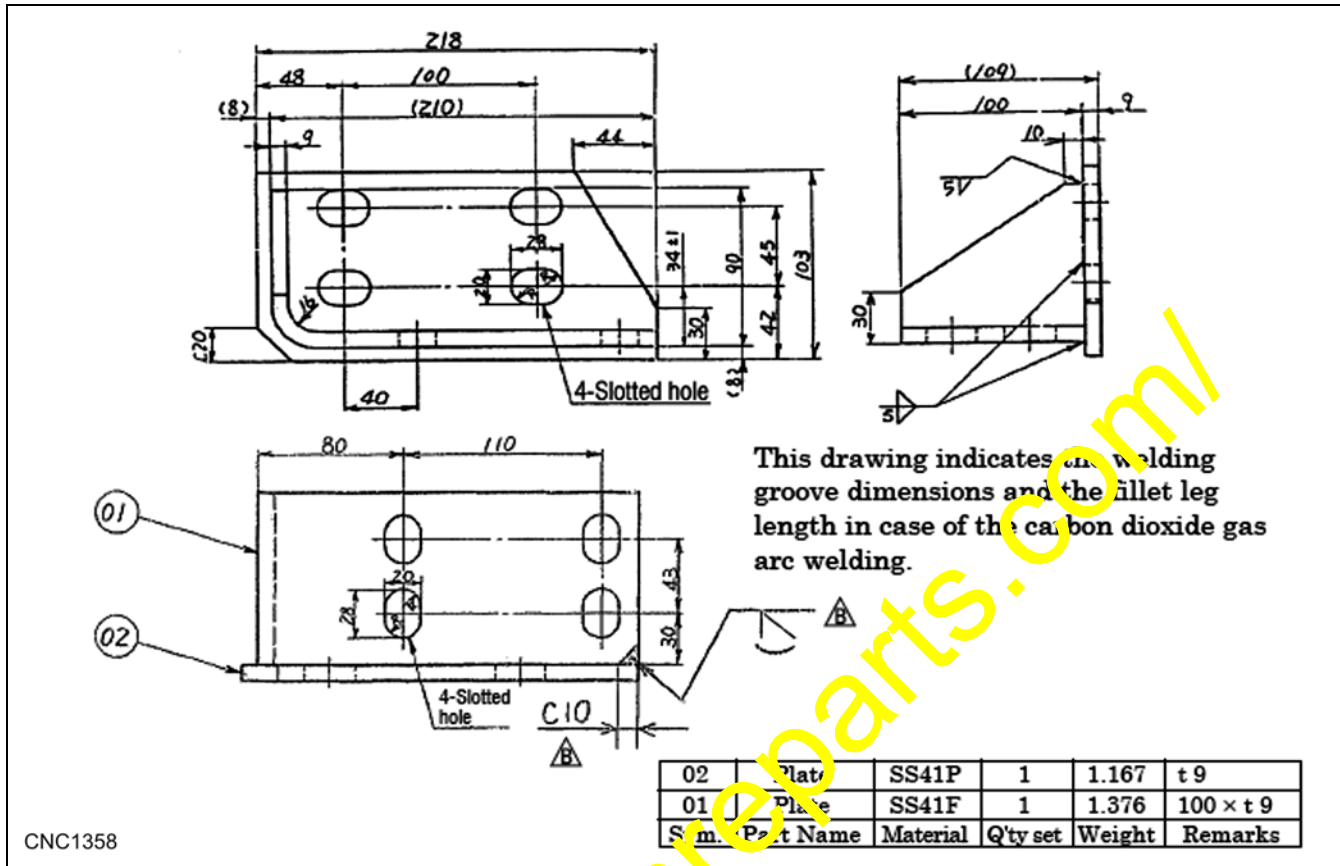


- Weld the seat to the right side of rear frame as shown in illustration below.



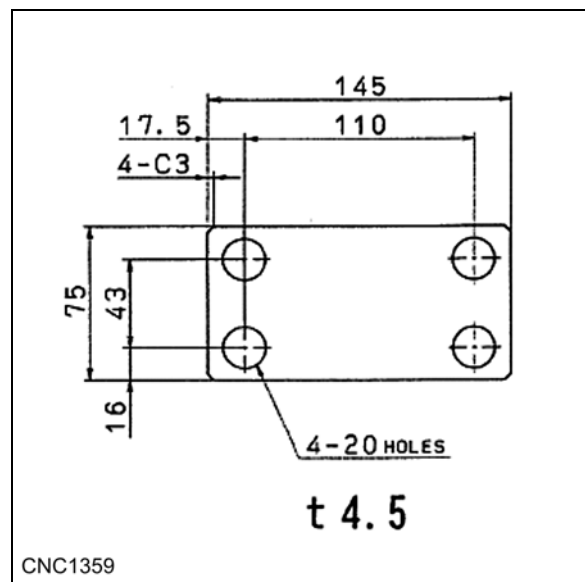
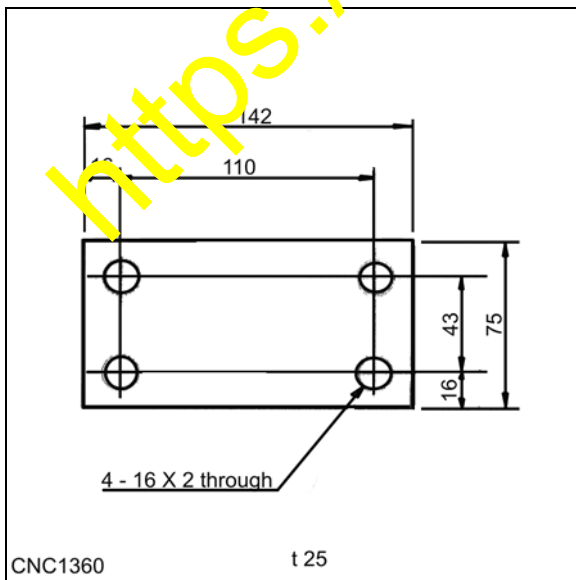
CNC1357

- Fabricate these parts according to the illustration below.



Part No. 427-62-25540  
 Part name: Spacer  
 Material: SS400F

Part No. 427-46-12340  
 Part name: Seat  
 Material: SS400F





- Parts being used on the factory shipment new machines are as per the Items being indicated below.
  - a. The return pipe fastening bracket has been changed to the reinforced part.
  - b. The position to install the bracket has been changed. (Rear frame to hydraulic tank)
  - c. Increased rigidity in the hydraulic tank mount

