

PARTS & SERVICE NEWS

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SUBJECT: REPAIR OF PILOT PIPING CRACK IN WORK EQUIPMENT VALVE ON WA1200-3

PURPOSE: To introduce modification procedures to repair or prevent occurrence of cracking in the pilot piping (tube) connecting to the work equipment control valve assembly on WA1200-3 wheel loaders

APPLICATION: WA1200-3 Wheel Loaders, Serial Nos. 50001 thru 50006

FAILURE CODE: 636437

DESCRIPTION:

1. Introduction

With the WA1200-3 wheel loaders, if the PPC piping (tube) connecting to the work equipment control valve assembly has been installed forcibly, the tube may crack while the machine is being used for a long period of time, resulting in occurrence of oil leakage. Consequently, replace the tube with a hose following the modification procedures outlined in this Service News to prevent occurrence of this failure.

2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
07623-00303 (42C-62-13271)	Hose (Tube)	Replacement	3 (3)	} Parts to be replaced simultaneously (Consumable parts)
07623-00303 (42C-62-13381)	Hose (Tube)		3 (3)	
07002-22034	O-ring		6	
07002-21423	O-ring		6	

3. Modification procedures

- (1) Disconnect and remove the tubes connecting to and coming from the float valve being installed to the work equipment control valve assembly.

Part numbers of the tubes to be disconnected and removed.

42C-62-13271	3 tubes	Marked ※1 in the schematic diagrams indicated on the next page
42C-62-13381	3 tubes	Marked ※2 in the schematic diagrams indicated on the next page.

- (2) Installing the hoses in replacement

Install six hoses 07623-00303 in replacement of the tubes which have been disconnected and removed. Arrange the layout of these hoses paying attention that their bending radius may be maintained at 60 or more.

When replacing these tubes with the hoses, it becomes necessary to change the directions of the elbows and tees on both sides and be sure to replace the O-rings altogether.

(Refer to the schematic diagrams regarding their directions.)

Part numbers of the O-rings

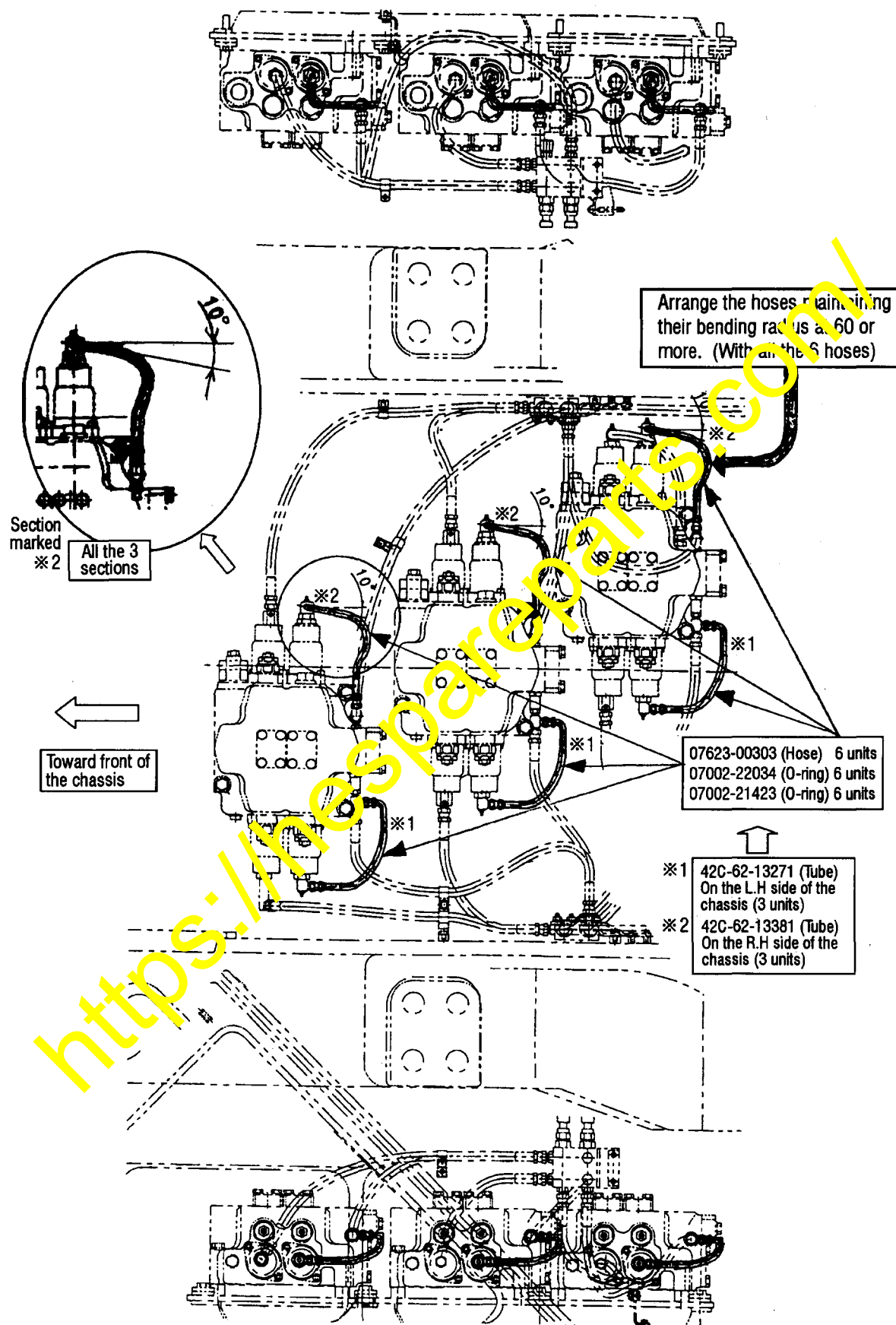
Elbow side O-rings:	07002-22034	3 units
Tee side O-rings:	07002-21423	6 units

Tightening torque for the flare nuts at 12 places in total:

29.4 – 68.6 Nm (3.0 – 7.0 kgm)

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