

PARTS & SERVICE NEWS

REF NO.	AT04175
DATE	December 7, 2004

SUBJECT: REPAIR PROCEDURE FOR DAMAGED SPHERICAL WASHER FOR DIFFERENTIAL

PURPOSE: To inform field personnel.

APPLICATION: WA300-3: 55300-55389
WA300L-3: 54005-54456
WA320-3: 54110-54456
WA320-3: 54220-54456
WA320-3C: 54114-54456

FAILURE CODE: 2A48FF

DESCRIPTION:

Introduction

If a spherical washer for differential in the front or rear axle is damaged on WA300-3 and WA320-3, modify by using the procedure in this Service News.

List of Parts

WA300-3, WA320-3 Front and Rear Diff consist of common parts.
(2 sets per machine)

It enables it to have supplied with the differential sub assy.

Part No.	Part Name	Purpose of Part	Qty	Remarks
419-22-31300	Diff. Sub. Assy	Replacement	1	Though old part number is not set, supply from new to old is possible if differential sub assembly is replaced.
419-22-31501 (419-22-31300)	Case Assy (Case Assy)	Replacement	1 (1)	For old part number, supply is possible in 419-22-31300 Diff. Sub Assy.
418-22-31550 (419-22-11651)	Washer (Washer)	Replacement	4 (4)	For old part number, supply to other than applicable models (LT500, WT250E and WU10S) is possible.
418-22-31410 (419-22-11412)	Spider (Shaft)	Replacement	1 (1)	For old part number, supply to other than applicable models (LT500, WT250E and WU10S) is possible.

Other parts for spiral bevel gear adjustment and repair parts.

Part No.	Part Name	Purpose of Part	Qty	Remarks
419-22-31300	Diff. Sub. Assy		1	
419-22-21760	Shim		6	
419-22-21770	Shim		3	
419-22-21780	Shim		3	
419-22-21790	Shim		2	
419-33-21420	Seal		2	
07000-15180	O-Ring		1	
385-11092821	Loc Tite515		1	
419-22-11361	Shim		2	
419-22-11371	Shim		2	
419-22-11381	Shim		2	
419-22-11391	Shim		1	
01010-61240	Bolt		20	
01643-31232	Washer		20	
419-22-11850	Bearing		2	
418-33-24130	Ring		2	
419-33-21710	Seal		2	

New part number as axle assy

Part No.	Part Name	Purpose of Part	Qty	Remarks
419-22-20013 (419-22-20012)	Front Axle A. (Front Axle A.)	Adjustment	1 (1)	Introduction of new part number
419-23-20013 (419-23-20012)	Rear Axle A. (Rear Axle A.)	Adjustment	1 (1)	Introduction of new part number

1. Improvements

A protrusion is provided on the spherical washer used for differential to lock, however, variations in the accuracy of parts can cause cracks from the portion.

Therefore, durability of the part has been increased by modifying the part to lock between the elongate hole inside the washer and the end surface of the cross shaft. If the washer is damaged, replace it with this differential assembly.

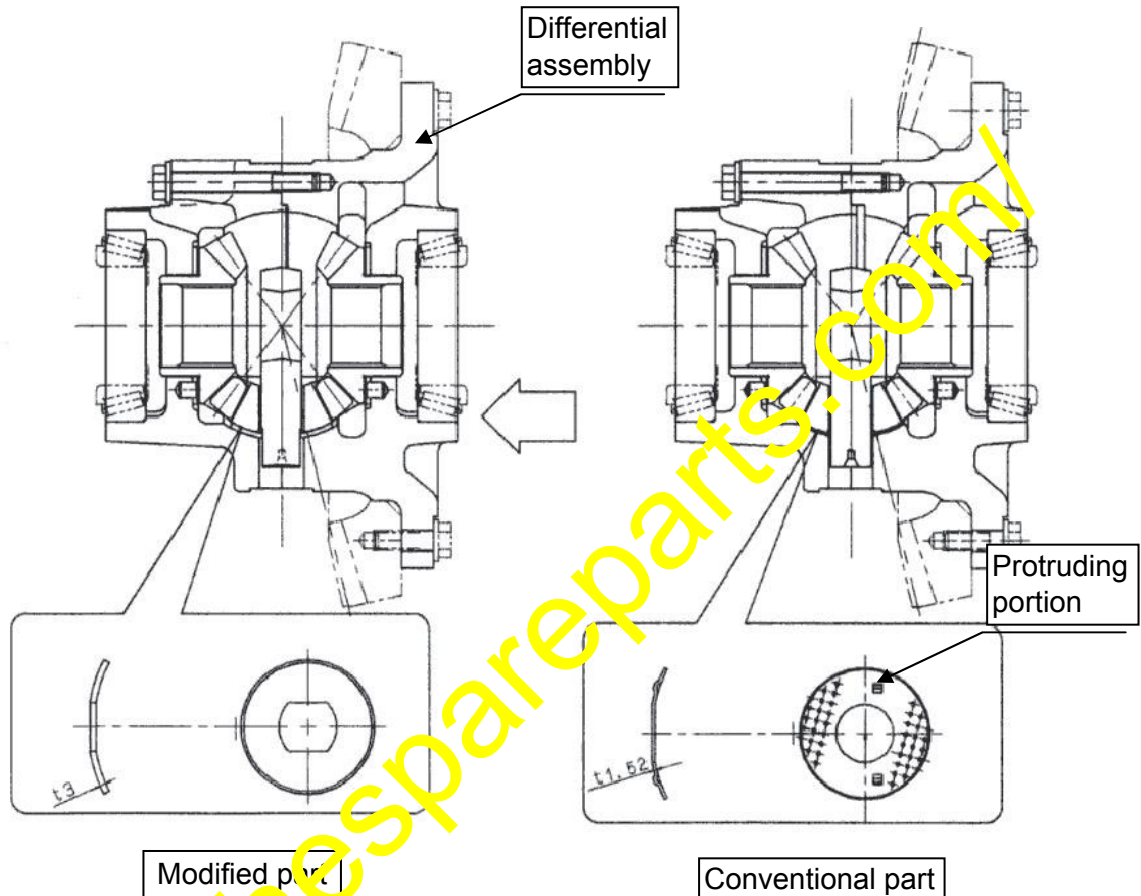


Fig.1

2. Modification Procedure

Disassembly and Assembly

Modify the part in accordance with "Disassembly and Assembly of Differential" in the shop manual.

Specified amount of oil : 24 liter each for front and rear (kind of oil: AXO-80)

Precautions

- 1) When replacing the bearing (419-22-11850), replace it in combination with the cup and cone.