

PARTS & SERVICE NEWS

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Page 1 of 2

SUBJECT: IMPROVED TRANSFER BEARING AND SHAFT FOR WA1200-3

PURPOSE: To introduce improved roller bearings for the output transfer on WA1200-3 wheel loaders and improved output shaft effective for improvement of lubrication of the bearing

APPLICATION: WA1200-3 Wheel Loaders, Serial Nos. 50001 thru 50020

FAILURE CODE: 1635FF

DESCRIPTION:

1. Introduction

Regarding the roller bearings being used for the output transfer on the WA1200-3 wheel loaders, KOMATSU has developed an improved bearing with increased reliability and an improved output shaft which is effective for improvement of the lubrication of the bearing. Therefore, KOMATSU is introducing these new bearing and output shaft in this Service News. With this new roller bearing, the strength of the cage has been increased in comparison with the current roller bearing.

2. List of parts

Part No.	Part Name	Q'ty	Remarks
42C-15-19310 (06033-00228)	Bearing (Bearing)	2 (2)	
42C-15-00021 (42C-15-00020)	Shaft ass'y (Shaft ass'y)	1 (2)	

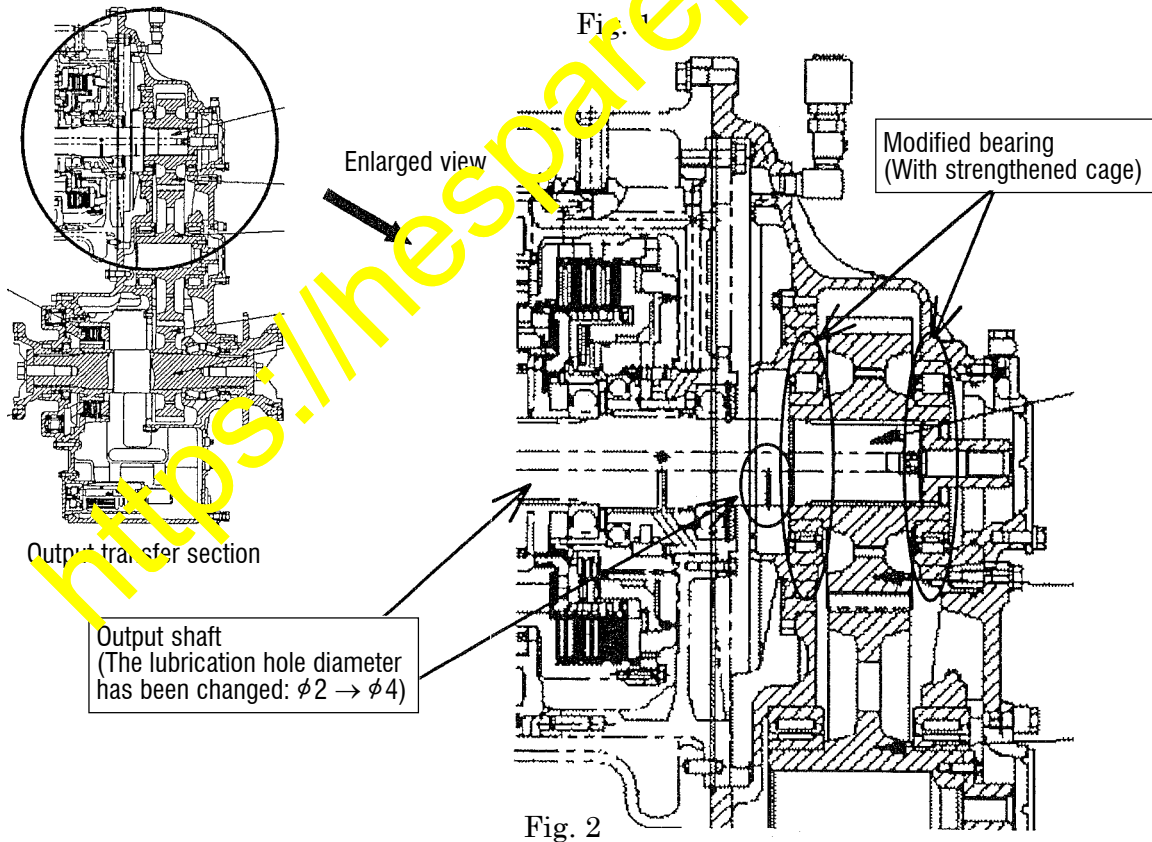
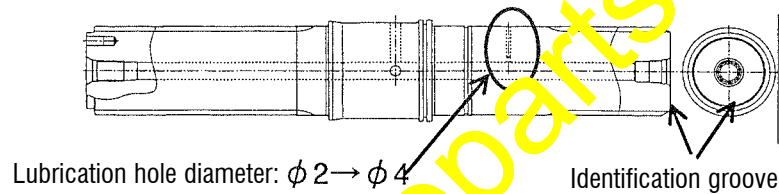
3. Details of the modification

- (1) The cage of the bearing has been strengthened to increase the strength against the vibration.

		Strengthened parts ←	Current parts
Part No.		42C-13-19310	06033-00228
Type of the cage		Machined copper alloy cage	Pressed steel plate
Stamping	NSK's parts	NJ228EMC3	NJ228C3
	NTN's parts	NJ228EGRBC3	---

- (2) The lubrication hole diameter of the output shaft has been increased to increase the lubrication oil quantity being fed to the transmission side bearing.

		Strengthened parts ←	Current parts
Part No.		42C-15-00021	42C-15-00020
Lubrication hole diameter		$\phi 4$	$\phi 2$
Identification groove on the end surface		1 groove	No groove



4. Modification procedure

- (1) Replace the bearing and the output shaft referring to the Chapter "Disassembly and Assembly" in the Shop Manual.
- (2) When carrying out the replacement work, check the stamping and the identification groove shown in the above tables.