

PARTS & SERVICE NEWS

REF NO.	AT04354
DATE	December 3, 2004

SUBJECT: REPAIR PROCEDURE OF TENSION PULLEY BEARING FAILURE

PURPOSE: To inform field personnel.

APPLICATION: WA500-3A: 52001-52367
 WA500-3E: 54001-54110
 WT800E-1: 1001-1001
 WZ4000-1: 1001-1006

FAILURE CODE: A692FF

DESCRIPTION:

Introduction

The bearing may be worn or damaged because of dusts invading the bearing due to the worn oil seal lip of the tension pulley. If the bearing of the tension pulley is damaged, repair it following this Service News.

Lists of Parts

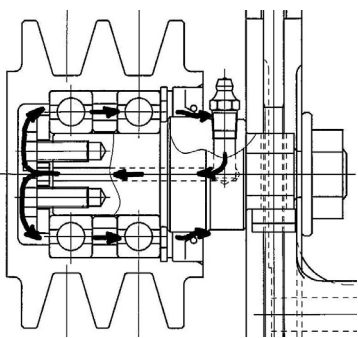
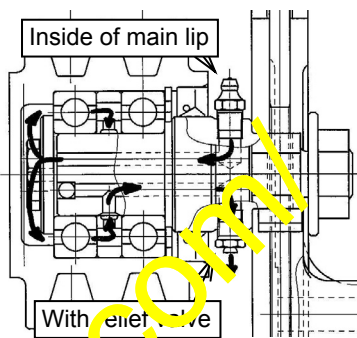
Part No.	Part Name	Purpose of Part	Qty	Remarks
6217-61-4702 (6217-61-4701)	Tension Pulley Ass'y (Tension Pulley Ass'y)	Replacement	1 (1)	
04121-22563	Belt	Replacement	1	Repair Part

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1. Improvements

The oil seal of the tension pulley has been changed to the one with a dust lip to enhance the seal performance for dust resistance and the bearing reliability for dusts.

A grease relief valve has been added to improve the greasing performance and enhance the bearing lubricity and reliability.

		Current	Improved
Shape and grease route			
Oil seal	Dust lip	Not attached (07011-00045)	Attached (07012-00045)
	Main lip	Outside	Inside
Grease relief valve		Not attached	Attached (07029-00000)

2. Repair procedure

- 1) Follow the shop manual to remove the fan guard.
- 2) Remove the fan.
- 3) Loosen the locknut and adjustment bolts of the tension pulley ass'y, then remove the fan belt.
- 4) Loosen the attachment bolts (01010-81255 and 81285) of the tension pulley ass'y, then remove the tensioner (6217-61-4701).
- 5) Replace the tension pulley ass'y with the improved one (6217-61-4702), then fasten it with attachment bolts (01010-81255 and 81285).
Tightening torque: 9.5 - 12.5 Nm (10 - 12.5 kgm)
- 6) Grease from the grease fitting of the tensioner with the grease pump, then cleanly wipe off the grease forced out of the relief valve.

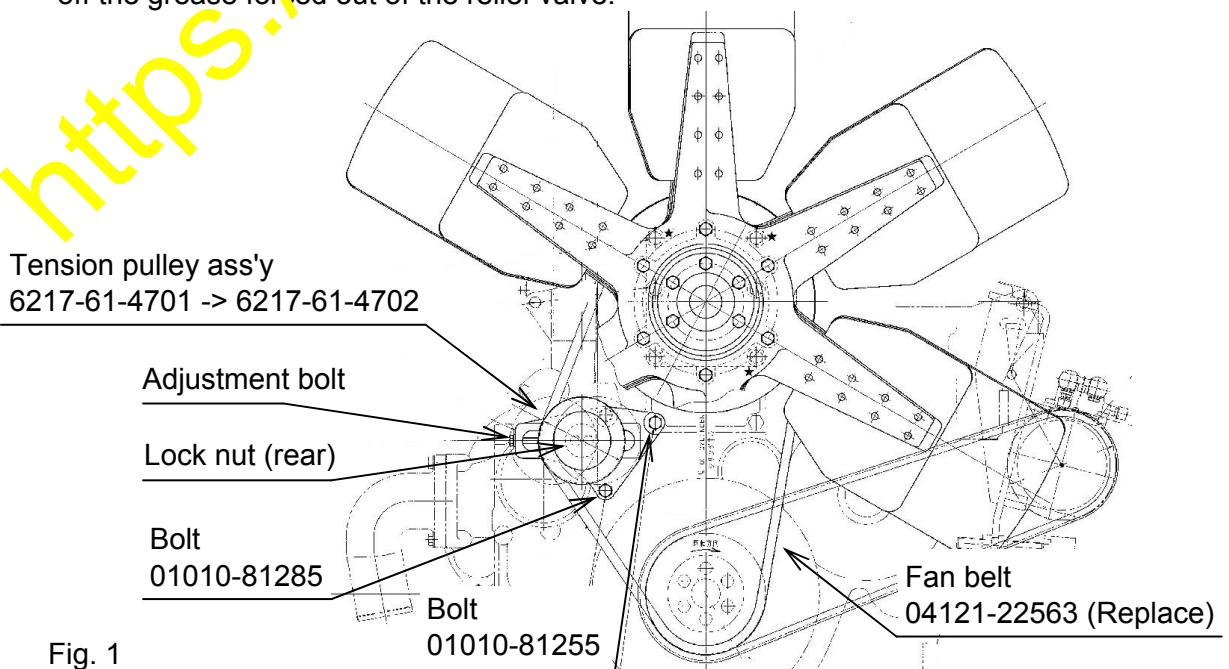


Fig. 1

- 7) Replace the fan belt (04121-22563) with a new one.
- 8) Follow the procedure below to adjust the tension of the fan belt:
 1. Push the belt at the point between the fan pulley and tension pulley (about 98 N {10 kgm} for each belt) with a finger. For a new belt, adjust bolt <2> to slide pulley <3> so that the belt is pushed down about 13 - 15 mm.
 2. Fasten locknut <1>.
Tightening torque: 245 - 309 kg (25 - 31.5 kgm)
 3. When using a new belt, readjust the tension after this unit has run about one hour.
* Belt deflection at inspection of belt used: Approx. 17 - 19 mm
- 9) Reassemble the fan and fan guard.
- 10) After the engine starts, check for abnormal sound or belt sound from the tensioner.

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