

PARTS & SERVICE NEWS

REF NO. AT04181

DATE July 30, 2004

(C)

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SUBJECT: MODIFICATION PROCEDURE TO ENABLE EXTERNAL GREASING FOR HITCH DRIVE SHAFT BEARING

PURPOSE: To inform Field Personnel

APPLICATION: HM300-1 Dump Trucks, S/N 1001 thru 1177
HM350-1 Dump Trucks, S/N 1001 thru 1088
HM400-1 Dump Trucks, S/N 1001 thru 1215

FAILURE CODE: 2013FE

DESCRIPTION:

1. Introduction:

For the purpose of improving the durability of the hitch drive shaft bearing on the articulate dump trucks, Komatsu has added a slinger to the coupling to prevent entry of external dust and, at the same time, modified the structure so that greasing to the front bearing may also be made from the outside. The details of these improvements will be introduced in this **Parts & Service News**.

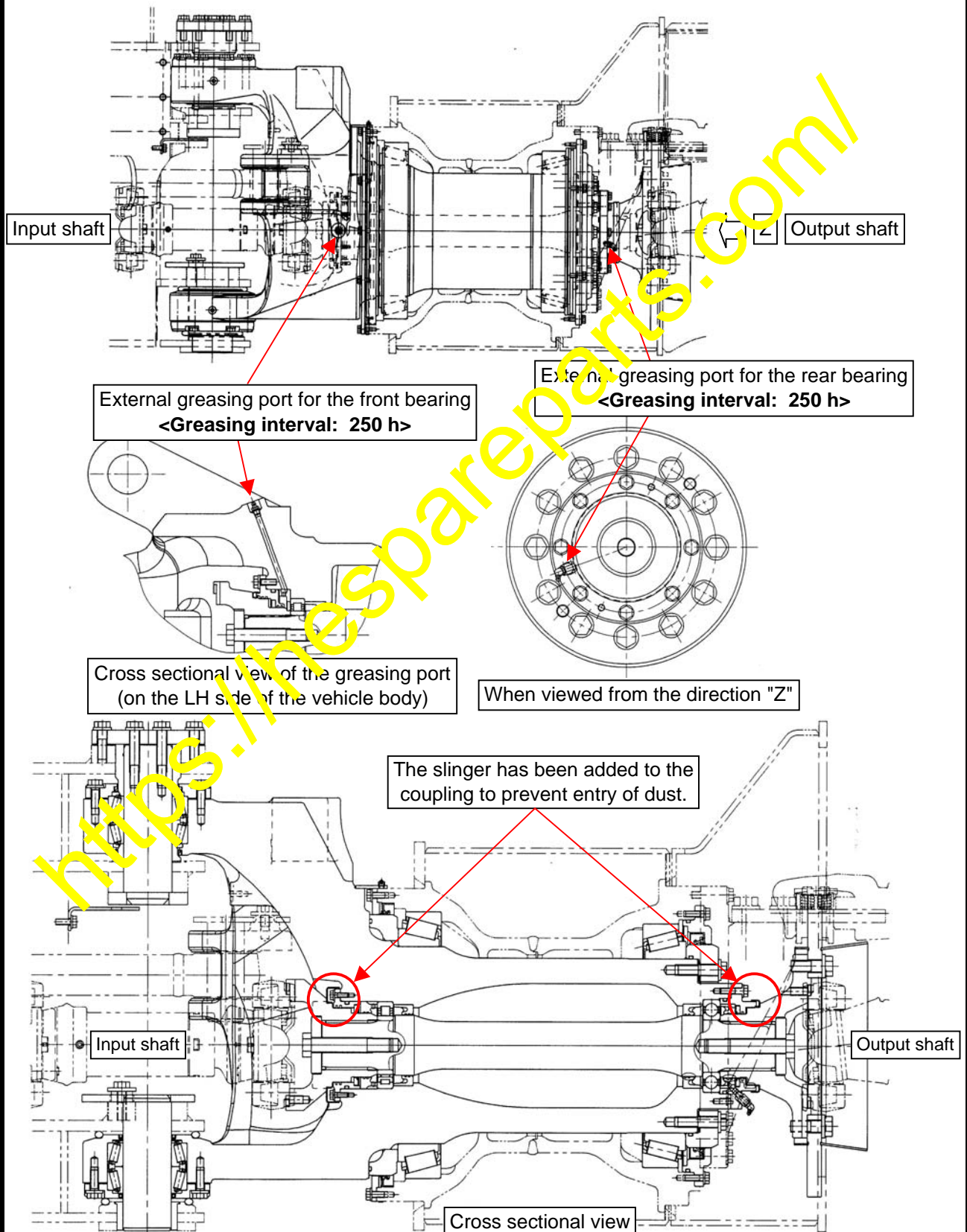
2. List of Parts:

Part No.	Part Name	Qty.	Remarks
HM400-1			
56B-46-13116 (56B-46-13115)	Frame, Hitch (Frame, Hitch)	1 (1)	to add the front external greasing hole
56C-46-13550 (56B-46-13551)	Coupling (Coupling)	1 (1)	to add the slinger
56C-46-13510 (56B-46-13511)	Coupling (Coupling)	1 (1)	to add the slinger
56C-46-13563 (56C-46-13562)	Retainer (Retainer)	1 (1)	to add the engaging section of the slinger
56C-46-13843 (56C-46-13842)	Ring (Ring)	1 (1)	to add the greasing hole
566-52-12210	Nipple	1	for the rear external greasing
07020-00675	Fitting	1	for the rear external greasing
56C-46-13573 (56C-46-13572)	Ring	1 (1)	to add the greasing hole
07020-00000	Fitting	1	for the front greasing

Part No.	Part Name	Qty.	Remarks
HM350-1			
56C-46-13112 (56C-46-13111)	Frame, Hitch (Frame, Hitch)	1 (1)	to add the front external greasing hole
56C-46-13550 (56B-46-13551)	Coupling (Coupling)	1 (1)	to add the slinger
56C-46-13510 (56B-46-13511)	Coupling (Coupling)	1 (1)	to add the slinger
56C-46-13563 (56C-46-13562)	Retainer (Retainer)	1 (1)	to add the engaging section of the slinger
56C-46-13522 (56C-46-13521)	Retainer (Retainer)	1 (1)	to add the engaging section of the slinger
56C-46-13843 (56C-46-13842)	Ring (Ring)	1 (1)	to add the greasing hole
566-52-12210	Nipple	1	for the rear external greasing
07020-00675	Fitting	1 (1)	for the rear external greasing
56C-46-13573 (56C-46-13572)	Ring (Ring)	1 (1)	To add the greasing hole
07020-00000	Fitting	1	To add the greasing hole
HM300-1			
56D-46-13115 (56D-46-13114)	Frame, Hitch (Frame, Hitch)	1 (1)	to add the front external greasing hole
56D-46-13553 (56D-46-13552)	Coupling (Coupling)	1 (1)	to add the slinger
56D-46-13510 (56E-46-13510)	Coupling (Coupling)	1 (1)	to add the slinger
56D-46-13562 (56D-46-13561)	Retainer (Retainer)	1 (1)	to add the engaging section of the slinger
56D-46-13522 (56D-046-13521)	Retainer (Retainer)	1 (1)	To add the engaging section of the slinger
56D-46-13841 (56D-46-13840)	Ring (Ring)	1 (1)	to add the greasing hole
566-52-12210	Nipple	1	for the rear external greasing
07020-00675	Fitting	1	for the rear external greasing
56D-46-13572 (56D-46-13571)	Ring	1 (1)	to add the greasing hole
07020-00000	Fitting	1	for the front greasing

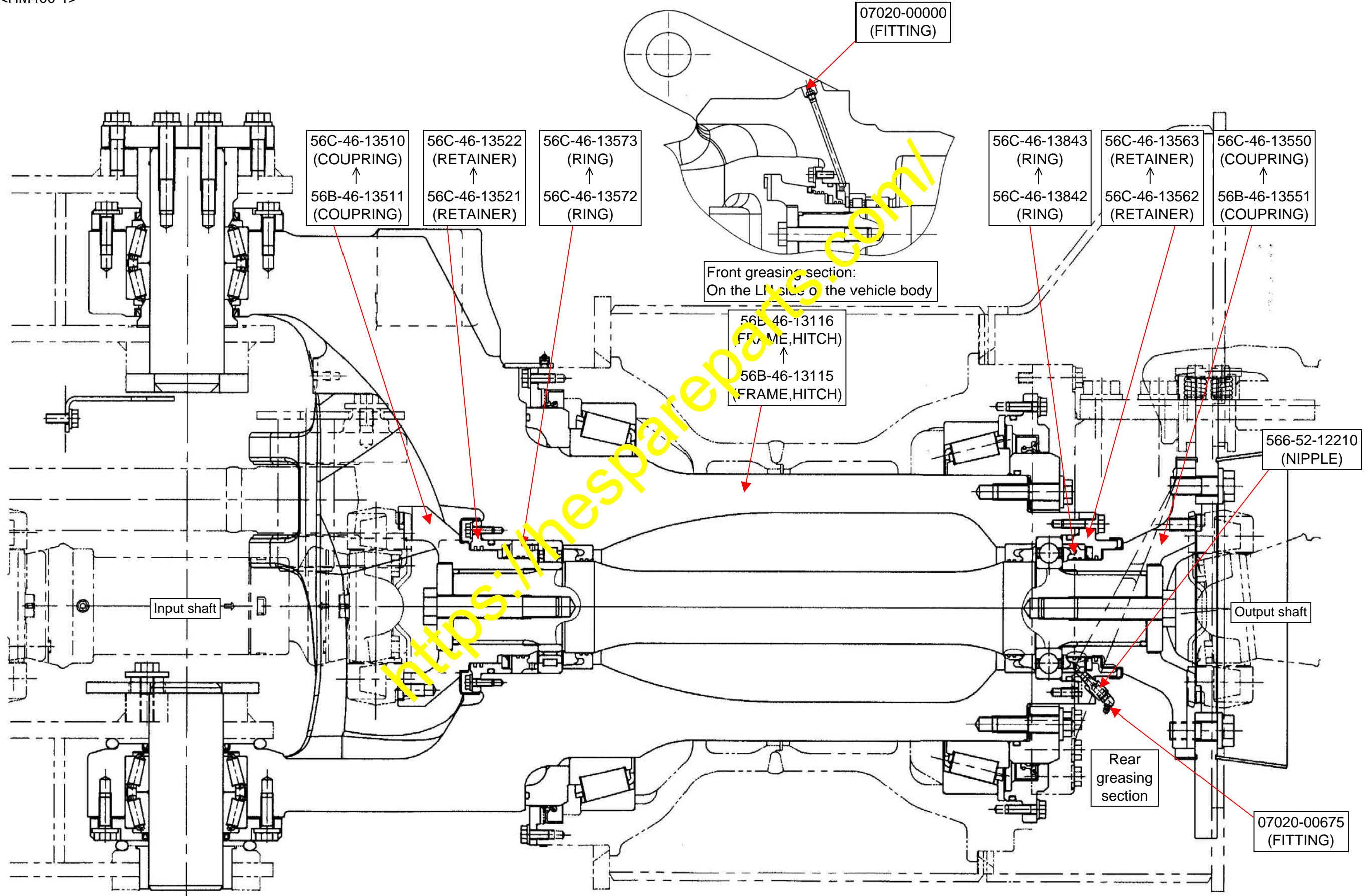
1. Details of the modification

- 1) To improve the durability of the bearing which is supporting the drive shaft inside the hitch, the structure of the hitch portion has been modified so that external greasing may be carried out periodically, from the existing grease sealing structure.
- 2) Grease every 250 h both of the front and rear sections.
- 3) This modification includes the modification introduced by the Service News AT03071.

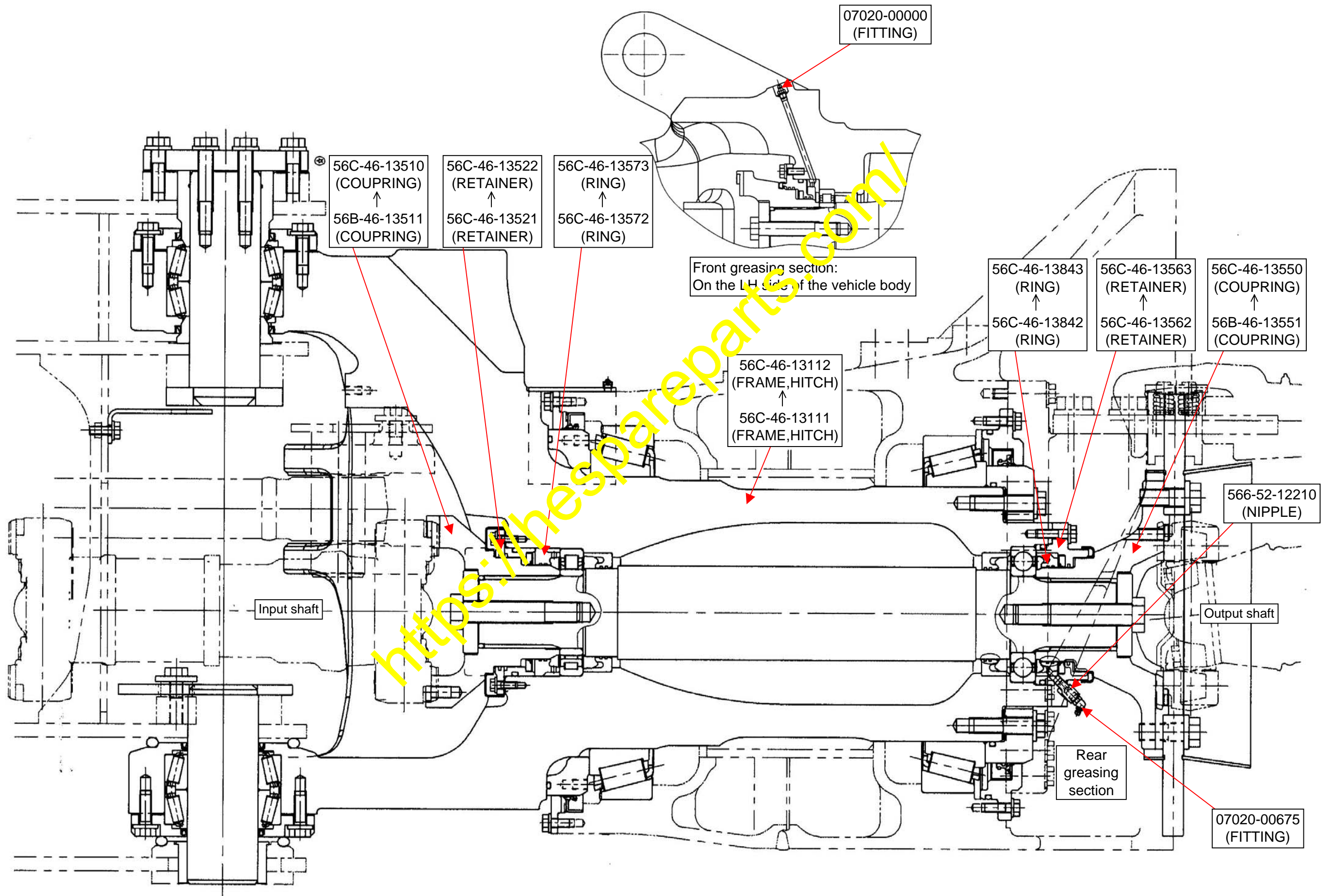


2. Detail drawing of the modified area

<HM400-1>



<HM350-1>



<HM300-1>

