

PARTS & SERVICE NEWS

REF NO.	AA02204
DATE	Sept. 5, 2002

- SUBJECT:** INTRODUCTION OF IMPROVED NEEDLEBEARING AND PLANETARY GEAR SHAFT
- PURPOSE:** To introduce the improved needle bearing and planetary gear shaft with increased reliability for use with the 1st clutch train of the transmission assembly
- APPLICATION:** WA600-1 Wheel Loaders, S/N 10001 thru 11598 and A10001 thru A10139
 WA600-1H Wheel Loaders, S/N 10001 and up
 WA600-1L Wheel Loaders, S/N A10140 thru A10390
 WA600-1LB Wheel Loaders, S/N A10391 thru A10448
 WA600-1LC Wheel Loaders, S/N A50001 thru A50101
 WA600-1LE Wheel Loaders, S/N A51001 thru A51099
 WA600-3 Wheel Loaders, S/N 50001 thru 50362
 WA600-3L Wheel Loaders, S/N A52001 thru A52224
 WA600-3LK Wheel Loaders, S/N A53001 and up
 WD600-1 Wheel Dozers, S/N 10001 thru 10158
 WD600-1H Wheel Dozers, S/N 10001 and up
 WF600T-1 Trash Compactors, S/N 10001 thru 10010
 WF700-1 Wheel Loaders, S/N 10001 thru 10139
 WA700-1L Wheel Loaders, S/N A20001 and up
 WA700-1Y Wheel Loaders, S/N 10001 and up
 WA700-3 Wheel Loaders, S/N 50001 thru 50048
 WA700-3L Wheel Loaders, S/N A50001 and up

NOTE: *The printing serial number of some models is unknown due to the fact the part number of the transmission was not advanced when this change went into effect.*

FAILURE CODE: 15KFCA

DESCRIPTION:

This **PARTS & SERVICE NEWS** will introduce improved needle bearings and planetary gear shafts with increased reliability, which have been newly developed for use with the 1st clutch train of the transmission assembly.

- (1) as for the 1st clutch train, be sure to replace the needle bearing and the planetary gear shaft at the same time. (If these parts are not replaced at the same time, the parts life will remain the same as that of the current parts).
- (2) Regarding the 3rd clutch train, the parts change is being introduced in this document for the purpose of unification of the parts and current parts may also be used.

2. List of parts

Part No.	Part Name	Q'ty	Remarks
426-15-12962 (426-15-12961)	Bearing (Bearing)	8 (8) 4 (4)	WA600-1, WA600-3 WF600T-1 } 1st, 3rd WA700-1, WA700-3 WD600-1 3rd
426-15-00161 (426-15-00160)	Shaft ass'y (Shaft ass'y)	4 (4)	WA600-1, WA600-3 WF600T-1 } 1st
As for the 1st clutch train, replace the needle bearing and the planetary gear shaft at the same time.			
426-15-12541 (426-15-12540)	Shaft (Shaft)	4 (4)	Component parts of the shaft ass'y
145-14-11320 (145-14-11320)	Plug (Plug)	4 (4)	Component parts of the shaft ass'y and no change has been made with them.
428-15-19312 (428-15-19311)	Bearing (Bearing)	4 (4)	WA700-1, WA700-3 } 1st
428-15-00211 (428-15-00210)	Shaft ass'y (Shaft ass'y)	4 (4)	WA700-1, WA700-3 } 1st
Replace them at the same time.			
428-15-12542 (428-15-12541)	Shaft (Shaft)	4 (4)	Component parts of the shaft ass'y
145-14-11320 (145-14-11320)	Plug (Plug)	4 (4)	Component parts of the shaft ass'y and no change has been made with them.

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3. Serial numbers of the applicable machines

No.	③ Applicable machine model	④ Serial numbers of the applicable machines		Japan production/ Overseas production	Reference Transmission Model No.
		Already shipped machines	Already modified factory shipment machines		
1	WA600-1	#10001 – #11598	-----	Japan · Overseas	426-15-00010 426-15-00020 426-15-00011 426-15-11003
2	WA600-1H	#10001 –	-----	Overseas	41E-15-00082
3	WD600-1H	#10001 –	-----	Overseas	41E-15-00082
4	WD600-1	#10001 – #10168	#10169 –	Overseas	41E-15-00011 41E-15-00012 41E-15-11002
5	WA600-3	#50001 – #50362	#50363 –	Japan · Overseas	426-15-31000 426-15-31001
6	WF600T-1	#10001 – #10010	#10011 –	Japan	41L-15-00010
7	WA700-1	#10001 – #10139	-----	Japan · Overseas	428-15-00011
8	WA700-1Y	#10001 –		Overseas	428-15-00070
9	WA700-3	#50001 – #50048	#50049 –	Japan · Overseas	428-15-21000

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4. Contents of the modification

- 1) The heat treatment processes for the roller of the needle bearing and the planetary gear shaft for the 1st train of the transmission ass'y on the WA600-1, WA600-3, WA700-1 and WA700-3 have been changed to increase the bearing life.

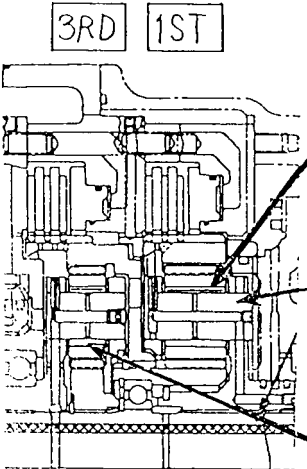
※ Note: The parts life can be prolonged only when the needle bearing and the planetary gear shaft are replaced in a set.

Therefore, when making the replacement, be sure to replace the needle bearing and the planetary gear shaft at the same time.

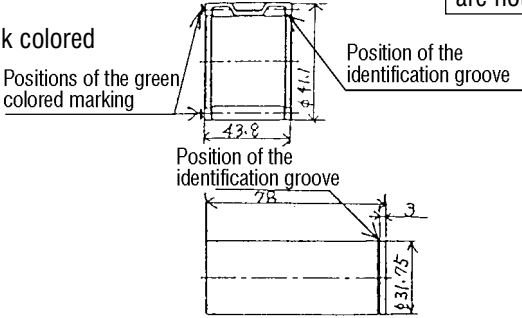
- 2) As for the needle bearing being used for the 3rd train of the transmission ass'y on the WA700-1, WA700-3, WA600-1, WA600-3, WF600T-1 and WD600-1, the same needle bearing as the above Item -1) is to be used for the parts unification purpose.

1st train (The parts life can be prolonged only when the needle bearing and the planetary shaft are replaced in a set simultaneously.)

WA700-1, -3



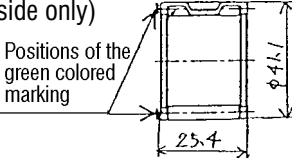
Part No. (Part name)	Q'ty/machine	Identification method
(New part) 428-15-19312 (Bearing)	4 pcs.	Front surface of the retainer Silver colored Side surface of the retainer Green color marking (On one side only) Bore surface of the retainer Identification groove is being made. (1 groove)
(Current part) 428-15-19311 (Bearing)	4 pcs.	Front surface of the retainer Black colored
(New part) 428-15-00211 (Shaft ass'y)	4 pcs.	Identification groove is being made. (1 groove)
(Current part) 428-15-00210 (Shaft ass'y)	4 pcs.	Without identification groove



The directions of the groove and the marking are not being defined.

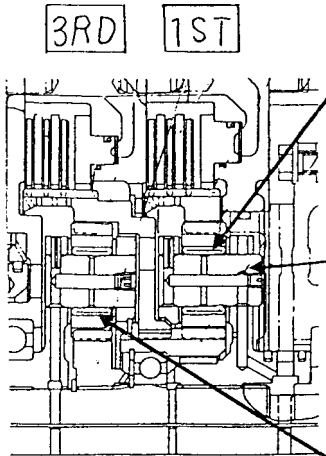
3rd train (These parts should be changed for the parts unification purpose with the 1st train parts on the WA600-1 and WA600-3.)

Part No. (Part name)	Q'ty/machine	Identification method
(New part) 426-15-12962 (Bearing)	4 pcs.	Front surface of the retainer Silver colored Side surface of the retainer Green color marking (On one side only)
(Current part) 426-15-12961 (Bearing)	4 pcs.	Front surface of the retainer Black colored

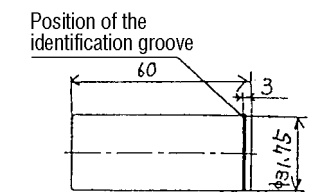
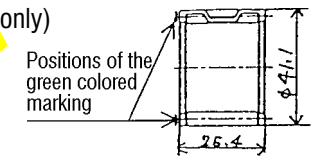


1st train (The parts life can be prolonged only when the needle bearing and the planetary gear shaft are replaced in a set simultaneously.)

WA600-1, -3, WF600T-1

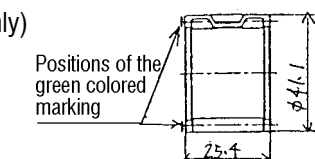


Part No. (Part name)	Q'ty/machine	Identification method
(New part) 426-15-12962 (Bearing)	4 pcs.	Front surface of the retainer Silver colored Side surface of the retainer Green color marking (On one side only)
(Current part) 426-15-12961 (Bearing)	4 pcs.	Front surface of the retainer Black colored
(New part) 426-15-00161 (Shaft ass'y)	4 pcs.	Identification groove is being made. (1 groove)
(Current part) 426-15-00160 (Shaft ass'y)	4 pcs.	Without identification groove

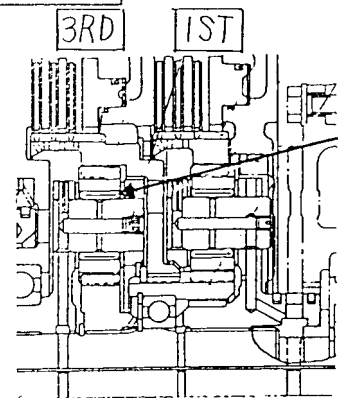


3rd train (These parts should be changed for the parts unification purpose with the 1st train parts on the WA600-1 and WA600-3.)

Part No. (Part name)	Q'ty/machine	Identification method
(New part) 426-15-12962 (Bearing)	4 pcs.	Front surface of the retainer Silver colored Side surface of the retainer Green color marking (On one side only)
(Current part) 426-15-12961 (Bearing)	4 pcs.	Front surface of the retainer Black colored

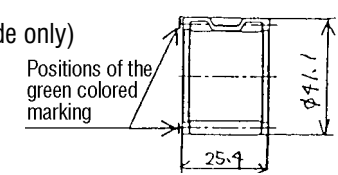


WD600-1



3rd train (These parts should be changed for the parts unification purpose with the 1st train parts on the WA600-1 and WA600-3.)

Part No. (Part name)	Q'ty/machine	Identification method
(New part) 426-15-12962 (Bearing)	4 pcs.	Front surface of the retainer Silver colored Side surface of the retainer Green color marking (On one side only)
(Current part) 426-15-12961 (Bearing)	4 pcs.	Front surface of the retainer Black colored



5. Disassembly and reassembly procedures

Refer to the Section "Disassembly and Assembly of Transmission" in the Shop Manual regarding the disassembly and reassembly procedures.

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