COMPONENT CODE	2E
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INSTALLATION MANUAL

REF NO. BA00008

DATE July 17, 2000

(**C**)

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SUBJECT: PART SETS FOR ORDERING THE FORMER REAR BRAKE INNER GEARS AND HUBS

PURPOSE: To introduce the part sets for ordering the inner gears and hubs of the former rear brakes

APPLICATION:HD785-3 Dump Trucks, S/N 2001 thru 2094
330M Dump Trucks, All Serial Numbers

QS. Incoret

FAILURE CODE: 2E0099

DESCRIPTION:

The rear brakes have been partially modified. Consequently, when ordeling he former types of inner gears and hubs, such part sets or combinations as introduced herein should be indicated according to this **INSTALLATION MANUAL.**



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	Current part sets			Former part type A		Former part type B	
Modification	One-body type dust seal provided around the external surface of floating seal		Two-split type dust seal provided around the external surface of floating seal		No dust seal provided around the external sur- face of floating seal		
Applicable Truck Modification Serial No.	#2095~		The Truck Serial Nos. 2051, 2052, 2059, 2060, 2067 thru 2094 and such trucks as modified accoding to the PARTS & SERVICE NEWS NO. A890332A		The Truck Serial Nos. 2001 thru 2050, 2053 hru 2058, 2061 thru 2066 and such trucks as unmedified according to the PART & SERVICE NEWS NO.A8903321		
No.	Part Name	Part No.	Q'ty/ Truck	Part No.	Q'ty/ Truck	Port Jo.	Q'ty/ Truck
1	Gear, inner	561-33-62312	2	☆561-33-62980 (561-99-78210)	2 I	☆56 <mark>. 33</mark> 32311	2
2	Hub	561-33-62221	I 2	☆561-33-62220		☆ 61-33-62220	2
3	Retainer	568-33-11933	Į 2			-	
4	Seal	568-33-11511	2	561-33-6296 (561-99-7 <mark>81</mark> 92)	2	_	
5	O-ring	566-09-31110	2			<u> </u>	
6	Pin	04020-01024	4				
7	Elbow (joint)	285-35-11820	2	*0.206-31014	2	※07206-31014	
8	Gasket	_	*070	05 01 12 4		※07005-01412	
9	Bracket	561-33-62690	2			—	
10	'Tube			*561-33-62410	2	*561-33-62410	
11	Sleeve		*078	31-00612 2		**07831- 00612	
12	Nut, sleeve	I		*07832-00614	2	*07832-00614	
13	Connector		*078	36-00617 2		*07836-00617	
14	Tube	225-35-12150	2	※07822-00607	2	*07822 -00607	
15	(Yip	08036-01814	4	%04434-01208	2	%04434-01208	
16	_j Bolt	01010-51016	2	_			
17	Washer	01643-51032	2	_	II	—	
18	Brack	_		**561-33-62970 (561-99-78181)	4		
19	Bracket			*561-33-62960 (561-99-78170)	4		
ĺ	Service, kit	561-33-05032	2	561-33-05031	2	561-33-05030	2

2. Detail of the part sets for ordering the former parts (Refer to pages 4, 5 & 6.)

References:

Note 1) Parts marked \bigstar are those parts whose supply is stopped.

Note 2) Parts marked ** are those to be disused when the current part set(s) are supplied.

Note 3) Part Nos. in parentheses are those of parts previously prepared before the regular production.

The Part Nos. just above the parentheses are those of the same parts obtained in the regular production.

- Note 4) The following cases must conform to this INSTALLATION MANUAL. (In these cases, such parts whose supply is stopped as described above are to be replaces.)
 - ① Where the former type (A) inner gears (561-33-62980) are to be replaced.
 - (2) Where the former type (A) hubs (561-33-62220) are to be replaced.
 - 3 Where the former type (B) hubs (561-33-62220) are to be replaced.

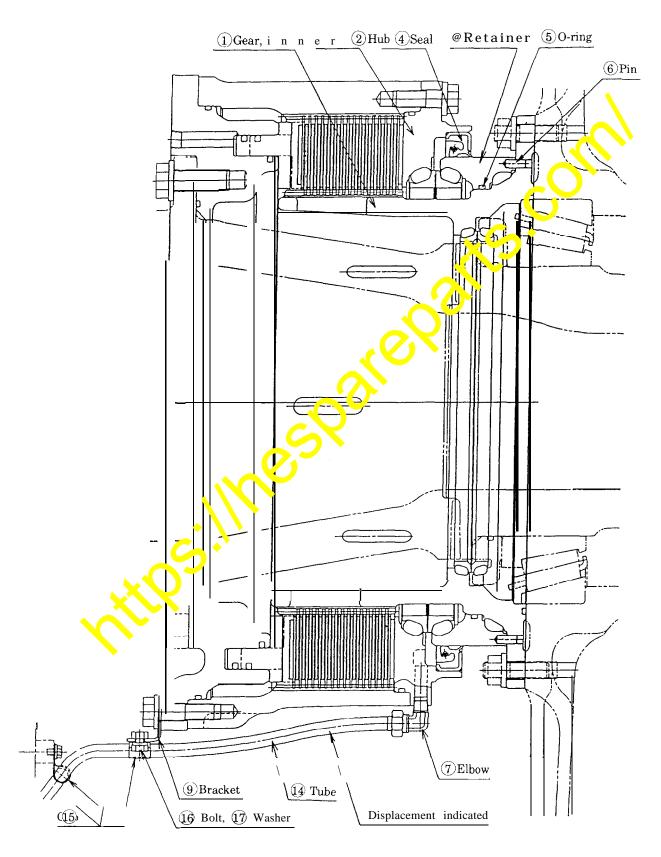
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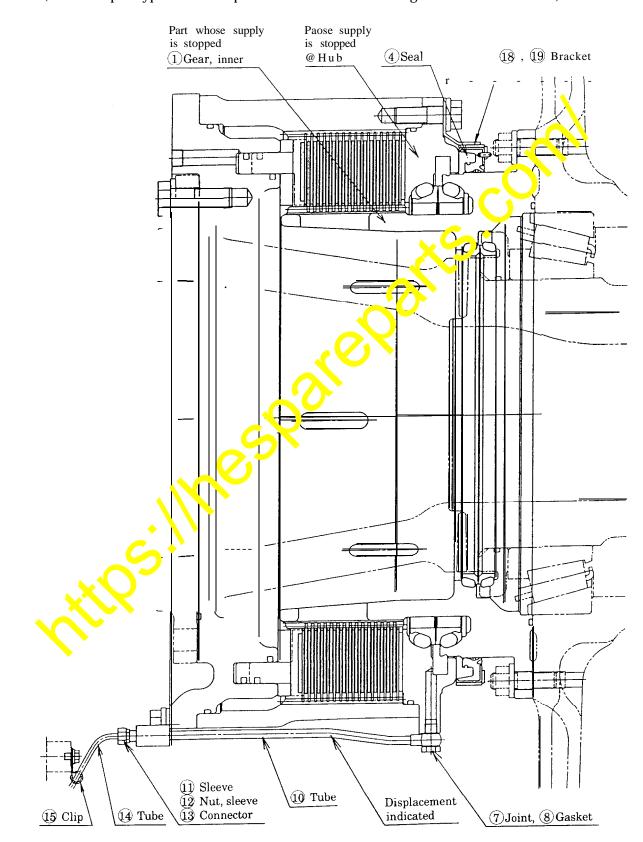
- (4) Where the former type (B) inner gears (561-33-62311) are to be replaced.
- In the above cases, they should be replaced as the current part sets. Part Nos.1 thru 7, 9, 14 thru 17, and the service kit should be ordered.)
- When only parts other than those described above are to be replaced, such parts should be ordered by stating their Part Nos.

Current

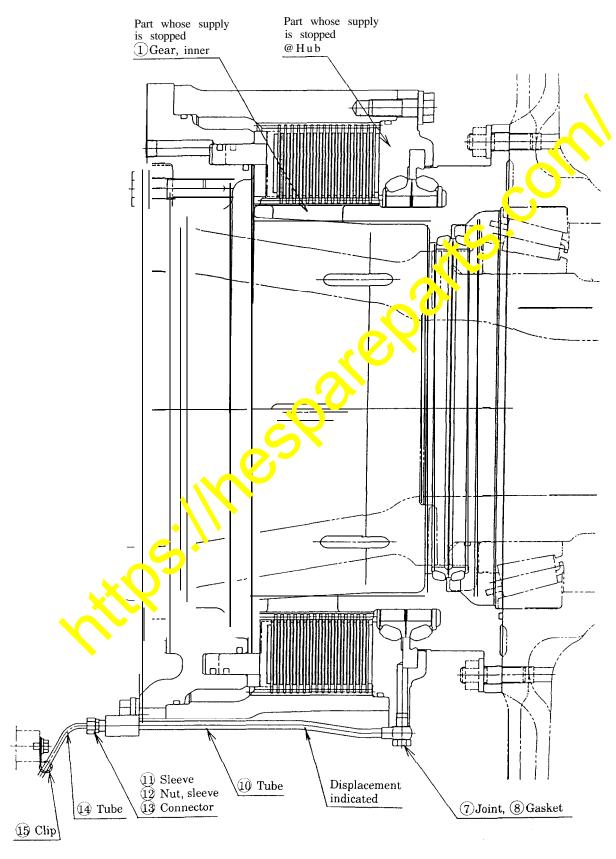
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(The One-body type dust seal provided around the floating seal external surface)





Former type A (The two-split type dust seal provided around the floating seal external surface) Former type B (No dust seal provided around the floating seal external surface.)



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- 3. Disassembling and assembling procedures
- 3.1 Tools required

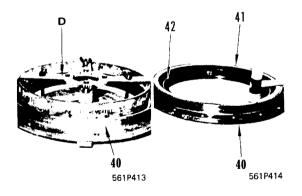
1) Hydraulic jack 50-t capacity, 2 jacks
2) Forklift truck (5-t) for removing wheels
3) Brake securing fixture (790-438-1150) 3 pcs./one wheel
4) Installer (791-585-1510) for setting the floating seal 1 tool
5) Push tool (792-530-1700) for setting the floating seal 1 set
6) Oil (EO30-CD) to be changed in the final drive
7) Oil (EO10-CD) for cooling the brake 270 lit/when the whele gity is changed

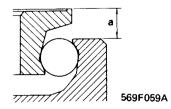
3.2 Working steps

- (1) Park the truck on the flat ground and chock the front whee
- (2) Jack up at the axle housing underside to raise the wheels from the ground. Remove the wheels by operating a forklift truck.
- (3) Disassemble the final drive ass'y, referring to the applicable SHOP MANUAL (Page 30-114).
- (4) Disassemble the rear brake ass'y, referring to the SHOP MANUAL (Page 30-118).

3.3 Assembly of rear brake assembly

- (1) Hub
 - 1) Using tool D install floating seal (42) on hub (40).
 - ★ Completery (whe off white powder (blocming) from surface of O-ring with alcohol before installing.
 - ★ Step installing, measure distance "a" between hub and foating seal at four points, and theck that difference is within 1 mm.



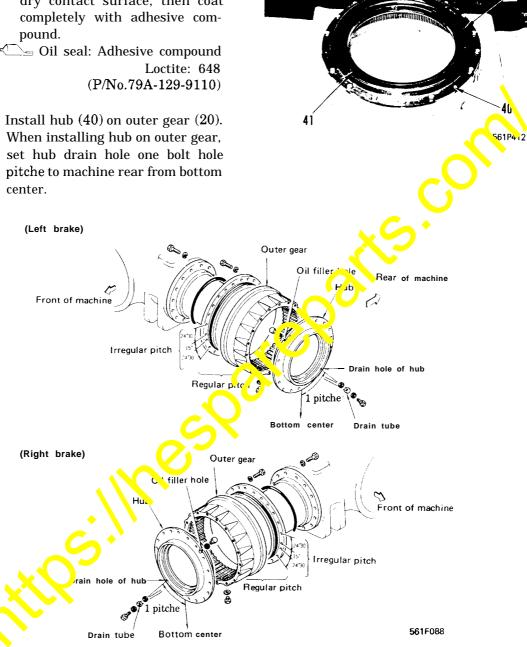


2) Install oil seal (41) on hub (40).

 \star Completely remove grease and dry contact surface, then coat completely with adhesive com-

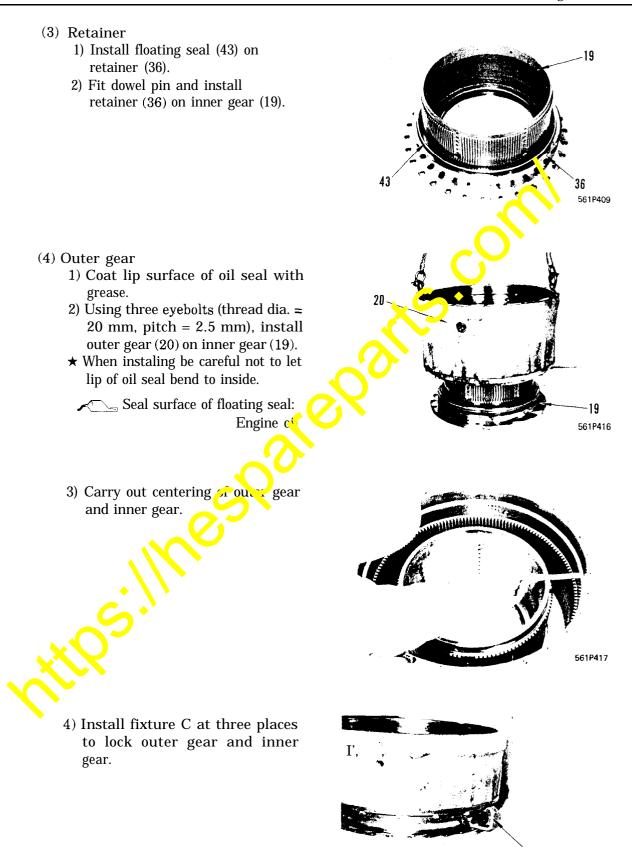
✓ Oil seal: Adhesive compound

3) Install hub (40) on outer gear (20). When installing hub on outer gear, set hub drain hole one bolt hole pitche to machine rear from bottom center.



(2) Floating seal Using installer E install floating seal (37) in inner gear (19).

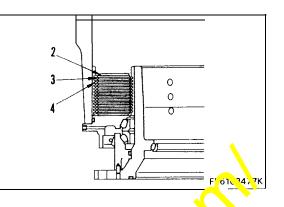




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(5) Damper, disc, plateAssemble damper (2), disc (3), and plate (4) to inner gear and outer gear assembly.



- 3.4 Installation of the rear brake assembly
 - (1) Install the rear brake ass'y and final drive ass'y, referring to FARS.30-118 and 30-116 in the SHOP MANUAL.
 - (2) Connect the drain tube to the rear brake.
 - (3) Set the wheels in place and remove jacks.

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- (4) Add oil into the final drive.
- 3.5 Air-bleeding the rear brake circuit Perform the air-bleeding of the rear brake circuit, referring to PAR.20-23 in the SHOP MANUAL.