



Service Repair Manual

Models

730 OEM Articulated Truck

Product: ARTICULATED TRUCK

Model: 730 ARTICULATED TRUCK WWB

Configuration: 730 OEM Articulated Truck WWB00001-UP (MACHINE) POWERED BY C11 Engine

Disassembly and Assembly 725 and 730 OEM Articulated Trucks Power Train

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i02395897

Retarder - Disassemble - The No. 1 Rotating Clutch is included.

SMCS - 3120-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1863	Retaining Ring Pliers	1
B	1P-0510	Driver Gp	1
C	4C-8358	Eyebolt	2
D	1P-1861	Retaining Ring Pliers	1
E	1U-6400	Three Jaw Puller	1

Start By:

- a. Separate the retarder from the torque converter. Refer to Disassembly and Assembly, "Torque Converter - Disassemble" for the procedure to separate the torque converter and retarder.

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat[®] products.

Dispose of all fluids according to local regulations and mandates.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.



Illustration 1

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1. Remove retaining ring (20).



2. Remove plate (21) and hub (22) from the inside diameter of hub (4).



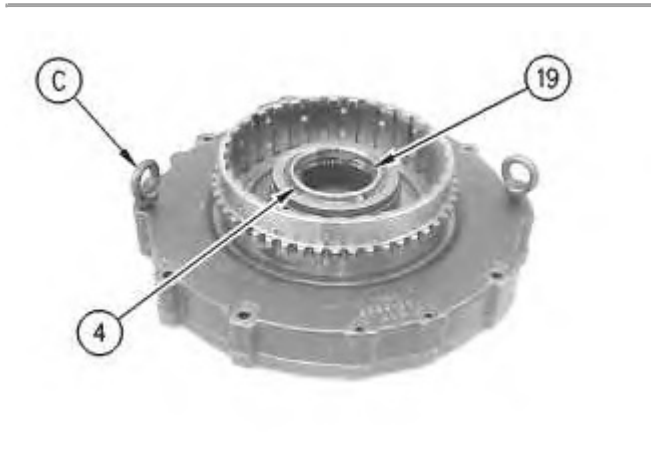
Illustration 3

3. Remove friction discs (23) and steel plates (24).



Illustration 4

4. Remove the following components from the inside bore of the hub: race (25), disc (26) and race (27).



5. Use Tooling (D) to remove retaining ring (19) from hub (4).
6. Remove Tooling (C) from the transmission retarder. Turn over the transmission retarder.

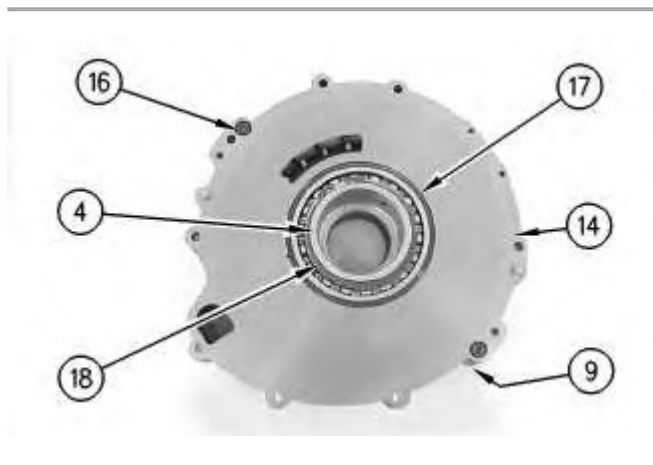


Illustration 6

7. Use Tooling (A) in order to remove retaining ring (18) from hub (4). Remove retaining ring (17) from the bearing.
8. Remove two allen head screws (16) in order to separate retarder stator (14) and retarder housing (9).

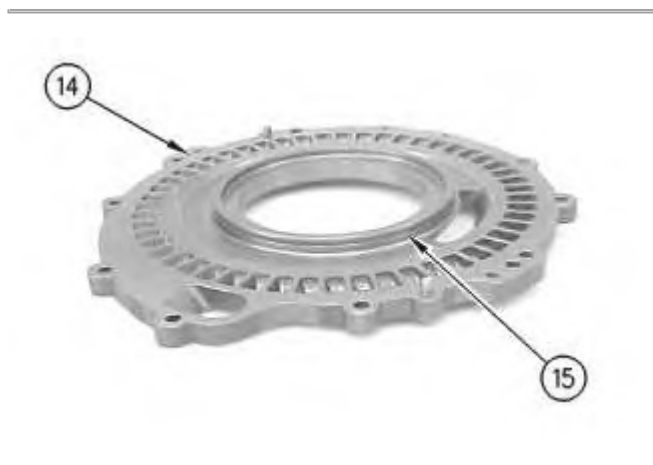


Illustration 7

9. Remove seal (15) from retarder stator (14).
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