



Service Repair Manual

Models

730 Ejector Articulated Truck

Product: EJECTOR TRUCK

Model: 730 EJECTOR TRUCK B1W

Configuration: 730 Ejector Articulated Truck B1W00001-UP (MACHINE) POWERED BY C11 Engine

Disassembly and Assembly 725, 730 and 730 EJECTOR Articulated Trucks Power Train

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

SMCS - 3120-016

Assembly 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-6396	O-Ring Assembly Compound	1

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.

Note: Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.

Note: Prior to assembly, all threads that require sealant must be cleaned with a tap.

Note: O-ring seals, gaskets, and seals should always be replaced. A used O-ring seal may not have the same sealing properties as a new O-ring seal. Use Tooling (E) during the assembly procedure.

Note: Apply a light film of transmission oil to all components before assembly.

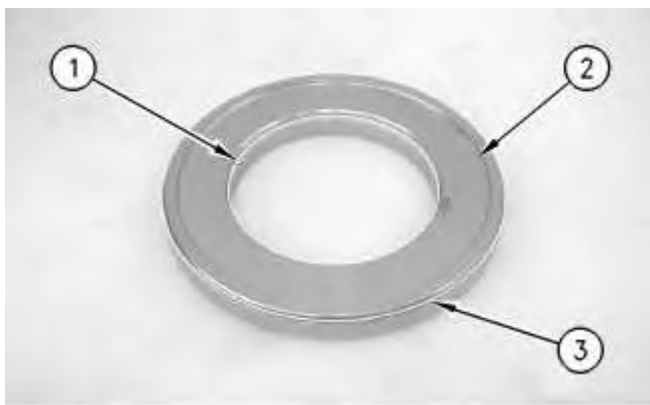
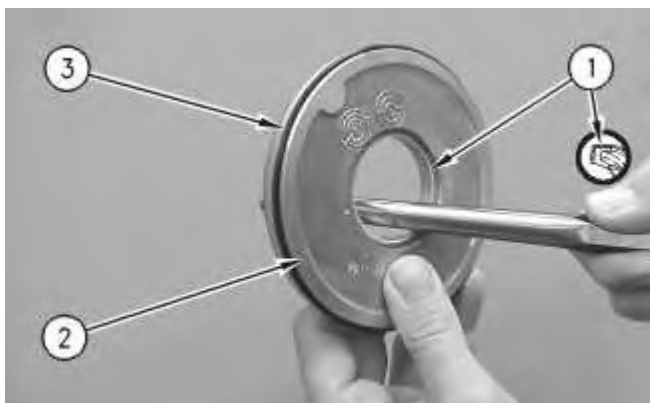


Illustration 1

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1. Install inner seal (1) and outer seal (3) into the seal grooves of piston (2).



2. Size inner seal (1) and outer seal (3) by holding a round object against the seal. Rotate piston (2) until the seal is flush with the outer diameter of the seal groove. Install the outer seal with the lip of the seal in the same direction as the inner seal.

Note: Lubricate the seals with the lubricant that is being sealed prior to the installation of the piston assembly. Take care not to damage the seals.



Illustration 3

3. Install piston (2) into hub (4).

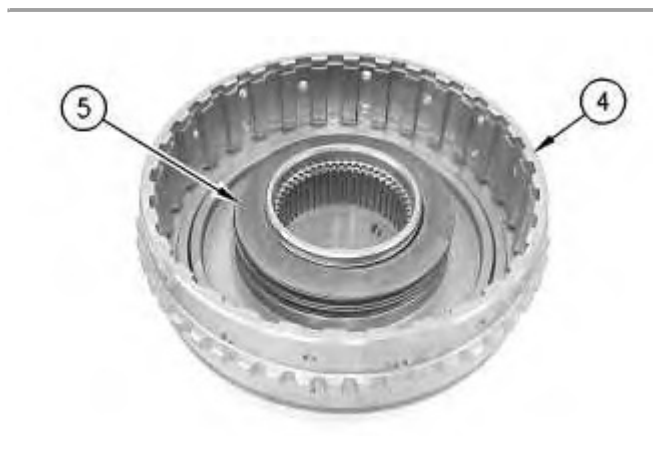


Illustration 4

4. Install disc springs (5) into the hub (4).

Note: The large diameter of the first disc spring is aligned with the piston. Alternate the following four disc springs.



Illustration 5

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5. Place plate (6) in position on disc springs (5).



Illustration 6

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6. Compress plate (6) and disc springs (5) in order to install retaining ring (7). Use Tooling (A) to install the retaining ring.



Illustration 7

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7. Turn over hub (4) and install seal (8) into the seal groove of hub (4).

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