



Service Repair Manual

Models

730 Articulated Truck

Product: ARTICULATED TRUCK

Model: 730 ARTICULATED TRUCK AGF

Configuration: 730 Articulated Truck AGF00001-UP (MACHINE) POWERED BY 3196 Engine

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

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i07375923

Torque Converter - Assemble

SMCS - 3101-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	3
B		M-12 Guide Bolts	3
C	1P-0510	Driver Gp	1
E	1P-1863	Retaining Ring Pliers	1
G	1P-1861	Retaining Ring Pliers	1
H	217-9911	Seal Guide	1
J	1U-6396	O-Ring Assembly Compound	1
K	5P-3413	Pipe Sealant	1



WARNING

Personal injury or death can result from improper lifting or blocking.

When a hoist or jack is used to lift any part or component, stand clear of the area. Be sure the hoist or jack has the correct capacity to lift a component. Install blocks or stands before performance of any work under a heavy component.

Approximate weights of the components are shown. Clean all surfaces where parts are to be installed.

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. Inspect all parts. If any parts are worn or damaged, use new parts for replacement. All disassembly and all assembly procedures must be performed on a clean work surface and in a clean hydraulic area. Keep cleaned parts covered and protected at all times.

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

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

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

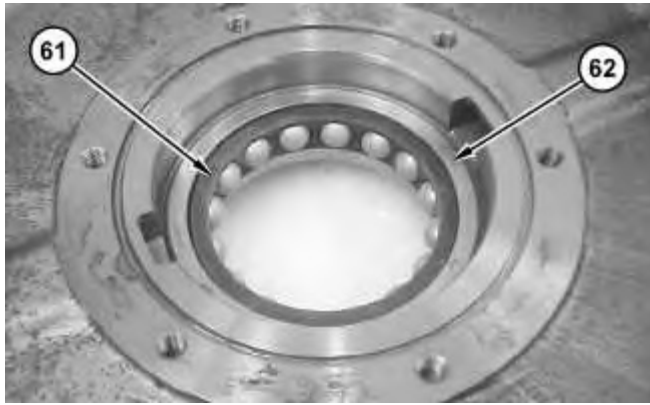


Illustration 1

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1. Lower the temperature of new bearings (62) and 61. Install new bearings (62) and (61) into the housing.



Illustration 2

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2. Invert the housing and install seal (60) into the groove of housing (49).

Note: Size the seal by holding a round object against the seal. Rotate the round object around the seal, until the seal is flush with the outer diameter of the groove. Take care not to damage the seal.

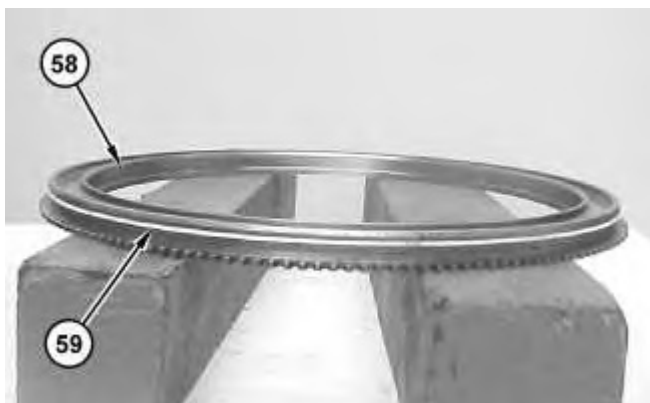


Illustration 3

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3. Install seal (59) into the groove of piston (58).

Note: Size the seal by holding a round object against the seal. Rotate the round object around the seal, until the seal is flush with the outer diameter of the groove. Take care not to damage the seal.



Illustration 4

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Note: Prior to the installation of piston (58), lubricate the seal lightly with the lubricant that is being sealed.

4. Install piston (58) into housing (49).



Illustration 5

g01321074

5. Place friction disc (57) in position on the piston in housing (49).
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