



Service Repair Manual

Models

416D Backhoe Loader

S/N - BPE1-UP

S/N - BPN1-UP

S/N - BRG1-UP

S/N - BRY1-UP

S/N - FDP1-UP

S/N - MBH1-UP

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-3010	Puller Group	1
B	9S-7338	Crossblock	1
C	1U-6400	Three Jaw Puller	1
D	8T-0978	Puller Sleeve	1
E	8H-0663	Bearing Puller Gp	1
F	140-0168	Puller	1
G	140-0169	Puller	1
H	1P-1861	Retaining Ring Pliers	1
I	1P-0510	Driver Gp	1
J	140-0165	Puller	1

Start By:

- A. Remove tie rods. See Disassembly and Assembly, "Tie rod (Steering) (Front) - Remove and Install".

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, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.



Illustration 1

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1. Remove bolts (1) .

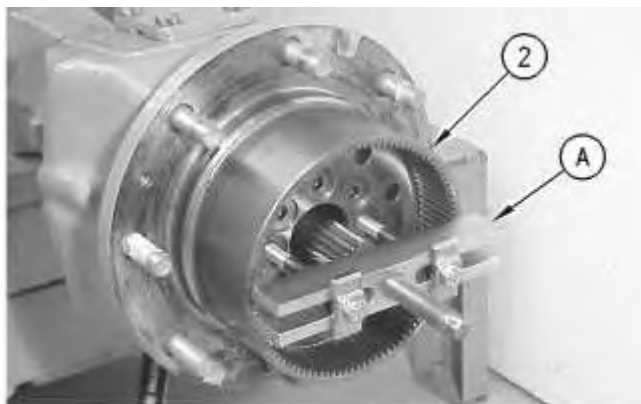


Illustration 2

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2. Remove the carrier gear (2) with Tooling (A) .
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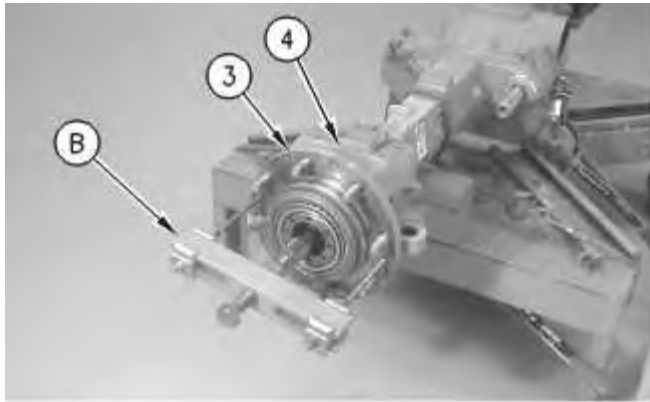


Illustration 3

g00779611

3. Remove the hub (3) from the steer axle hub (4) with Tooling (B) .



Illustration 4

g00779620

4. Remove the rubber O-ring seal (5) from the hub.



Illustration 5

g00779628

5. Pry shaft seal (6) from the hub. If necessary, drive the outer bearing cones out of the hub bores.

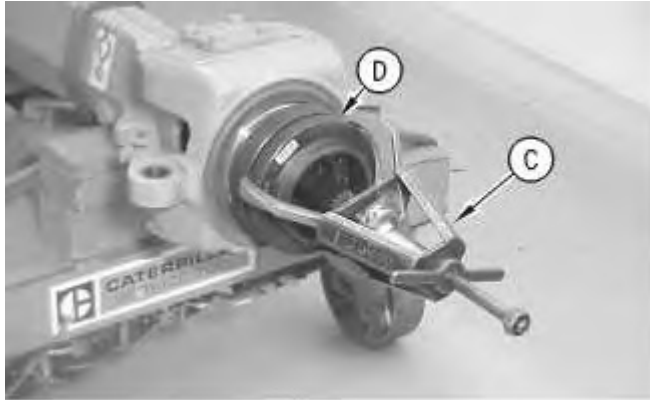


Illustration 6

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6. Remove the inner bearing cone with Tooling (C) and (D) .

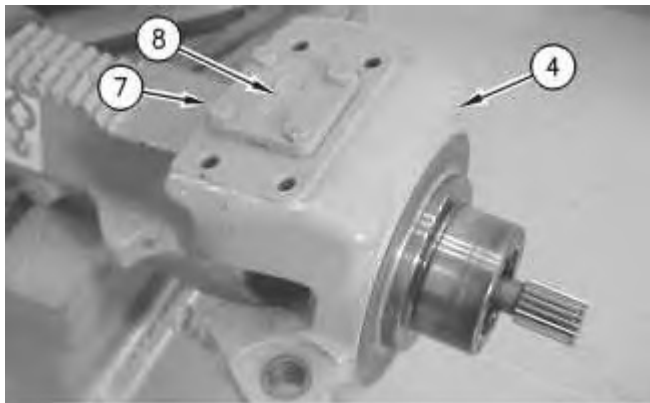


Illustration 7

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7. Remove the bolts (7) and the axle kingpins (8) from the top and the bottom of the steer axle hub (4) .
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