Product: EXCAVATOR
Model: M325D MH EXCAVATOR EDF
Configuration: M325D Material Handler EDF00001-01999 (MACHINE) POWERED BY C-7 Engine

Disassembly and Assembly
M325D Material Handler Power Train
Media Number -RENR9720-00 **Publication Date -01/05/2009** **Date Updated -14/05/2009**

i02265416

Axle Shaft - Remove - Steering Axle

SMCS - 3259-011; 3278-011; 3282-011-JF

Removal Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	8T-3666	Bolt	2
B	154-6182	Forcing Bolt	2
C	138-7575	Link Bracket	1
D	1U-9200	Lever Puller Hoist	1
E	3S-6224	Electric Hydraulic Pump Gp	1
	1U-7538	Double Acting Cylinder	1
	5F-7693	Spacer As	1
	123-4370	Stud Puller	1
	8T-4131	Nut	1
	8T-4123	Plated Washer	1
F	1P-1861	Retaining Ring Pliers	1
G	140-0169	Internal Puller As	1
H	140-0168	Puller	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, "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 g01136679

1. Remove plug (1). Drain the oil into a suitable container for storage or for disposal.

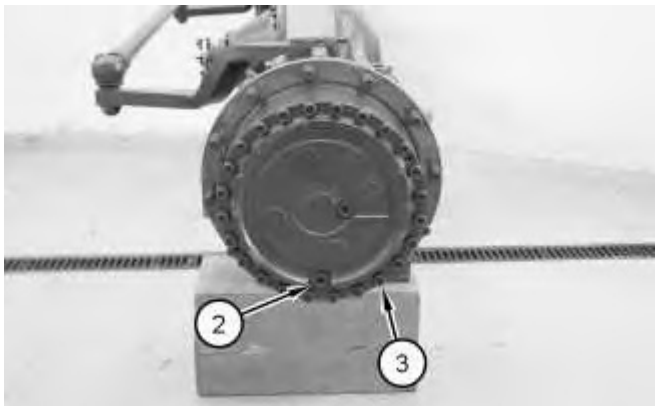

Illustration 2 g01136680

2. Remove plug (2). Drain the oil into a suitable container for storage or for disposal. Remove bolts (3) .

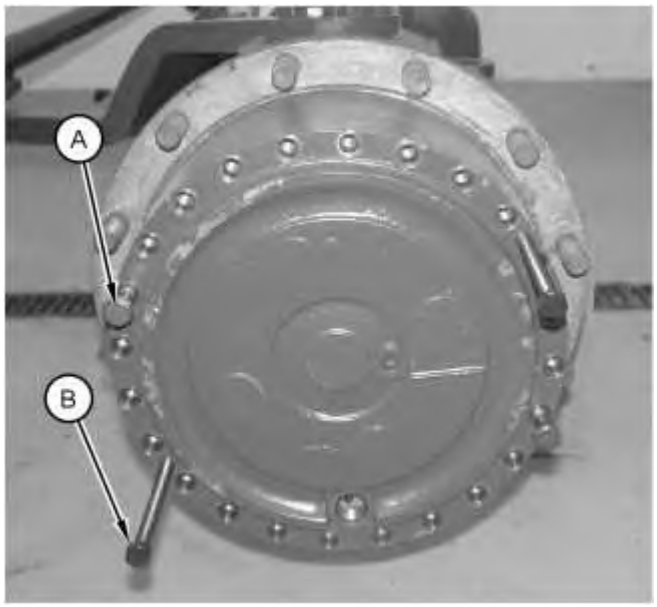

Illustration 3 g01136685

3. Install Tooling (A) and Tooling (B) .

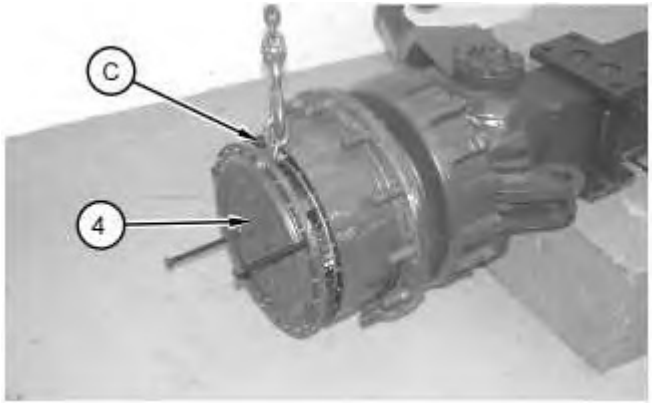

Illustration 4 g01136686

4. Slide final drive (4) outward. Attach Tooling (C) and a suitable lifting device onto final drive (4). The weight of final drive (4) is approximately 52 kg (115 lb). Remove Tooling (A) and Tooling (B) .

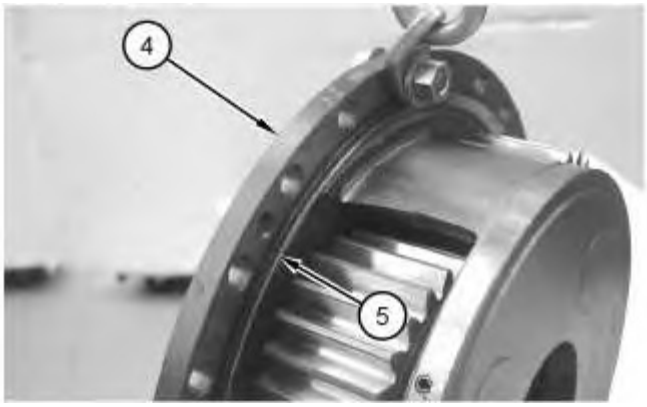

Illustration 5 g01136687

5. Remove final drive (4). Remove O-ring seal (5) .

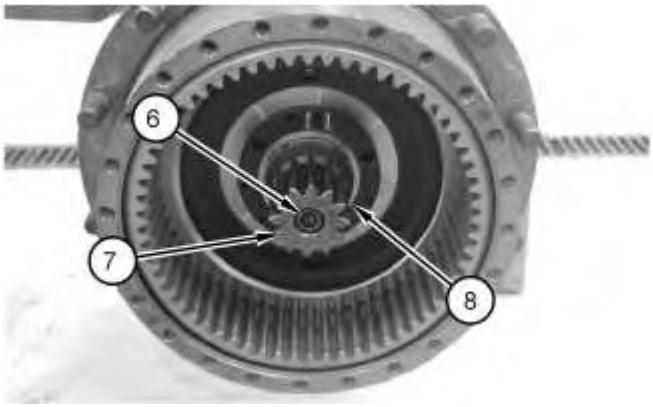

Illustration 6 g01136688

6. Remove bolt (6), sun gear (7), and sleeve (8) .

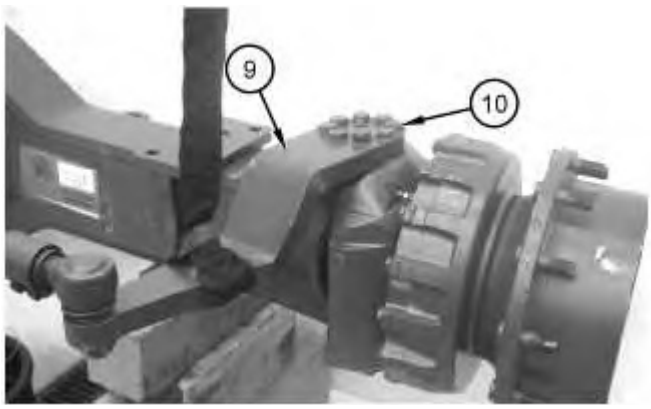

Illustration 7 g01136690

7. Attach a suitable lifting device onto lever (9). Remove bolts (10) and position lever (9) out of the way.

Illustration 8 g01136692

8. Remove bolts (11). Remove cover (12) .

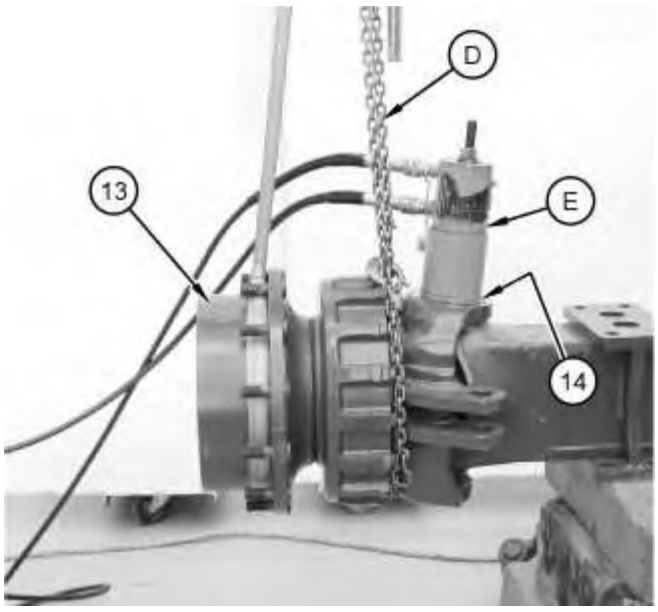

Illustration 9 g01136693

9. Attach Tooling (D) and a suitable lifting device onto hub assembly (13). The weight of hub assembly (13) is approximately 246 kg (542 lb). Attach Tooling (E) in order to remove pin (14). Do not exceed 44126 kPa (6400 psi). Remove pin (14). Repeat for the other side.

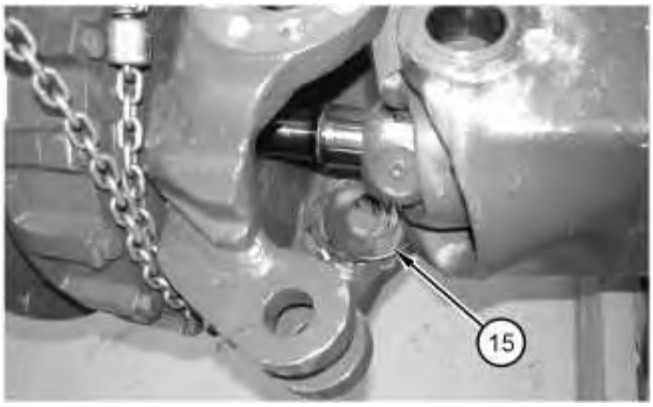

Illustration 10 g01136716

10. Note the location of shim (15) .

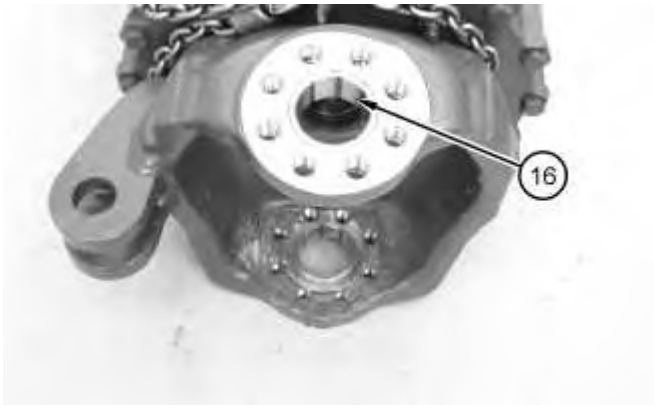

Illustration 11 g01136720

11. Remove bushing (16) .

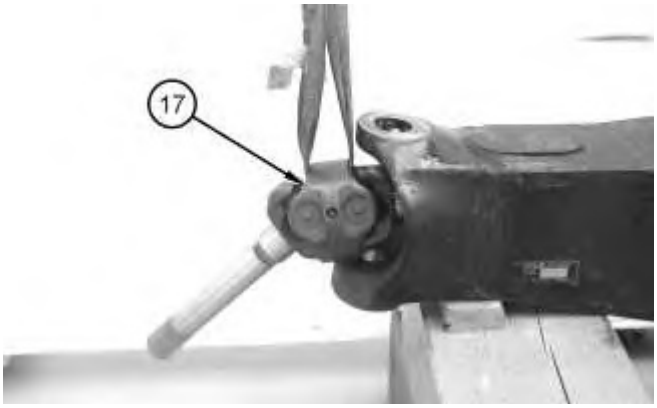

Illustration 12 g01136735

12. Attach a suitable lifting device onto axle shaft (17). The weight of axle shaft (17) is approximately 34 kg (75 lb). Remove axle shaft (17) .

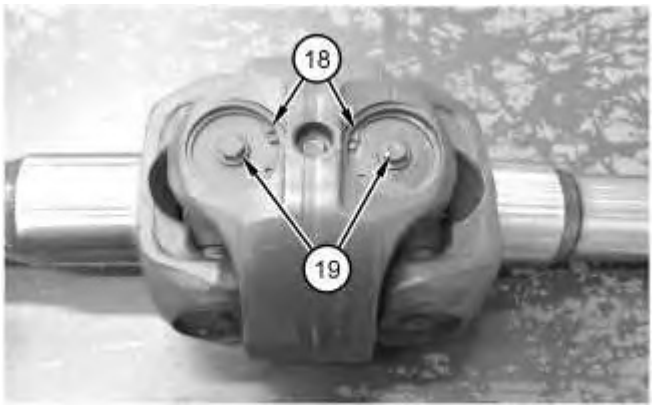

Illustration 13 g01136723

13. Use Tooling (F) in order to remove retaining rings (18). Remove plugs (19) .

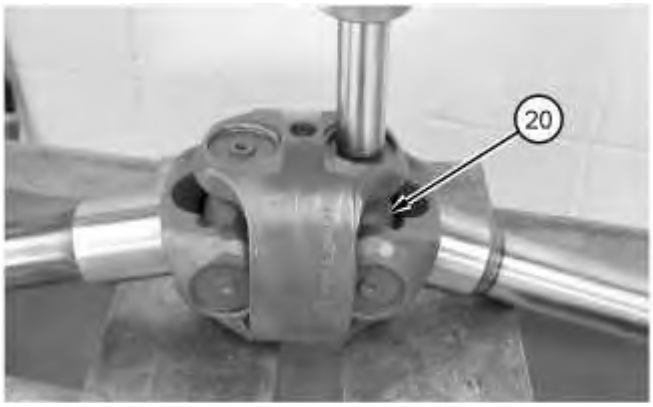

Illustration 14 g01136749

14. Use a suitable press and remove U-joints (20) .

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