



Service Repair Manual

Models

160M Motor Grader

Product: MOTOR GRADER

Model: 160M MOTOR GRADER B9T

Configuration: 160M Motor Grader - All Wheel Drive B9T00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly 160M Motor Grader Power Train

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i03096382

Rear Axle, Differential and Final Drive - Disassemble

SMCS - 3258-015; 3278-015; 3282-015-RE; 4050-015; 4068-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	4
B	140-7742	Sleeve	2
C	1U-9200	Lever Puller Hoist	1
D	154-6182	Forcing Bolt	3
E	138-7574	Link Bracket	2
F	8B-7551	Bearing Puller Gp	1
	1P-5546	Crossarm	1
	3H-0465	Push-Puller Plate	2
	5F-7366	Forcing Screw	1
G	292-4949	Socket Wrench As	1
H	154-6183	Forcing Bolt	3
J	1U-6405	Three Jaw Puller	1

Start By:

- Remove the rear axle, differential, and final drive. Refer to Disassembly and Assembly, "Rear Axle, Differential, and Final Drive - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: Inspect the O-ring seals. Replace the O-ring seals that are worn or damaged.

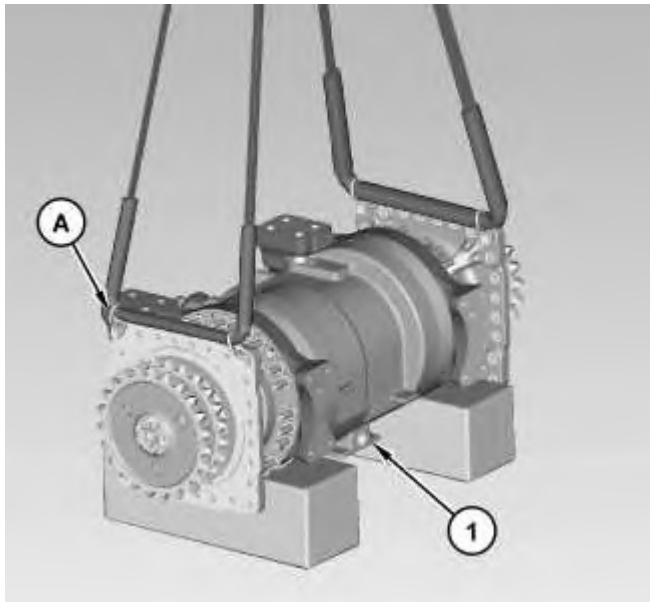


Illustration 1

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1. Use Tooling (A), Tooling (B), and two suitable lifting devices in order to position rear axle, differential, and final drive (1) onto suitable blocking. The weight of rear axle, differential, and final drive (1) is approximately 1089 kg (2400 lb).

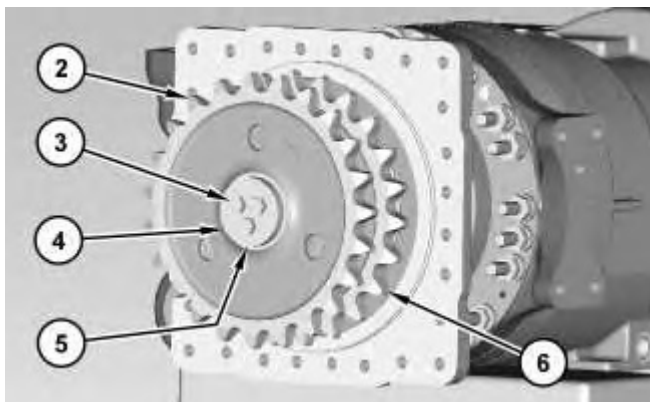


Illustration 2

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2. Remove bolts (3), retainer (4), shims (5), sprocket (2), and sprocket (6).

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- A technical drawing of a motor assembly, likely a pump or motor unit, showing various components labeled with letters and numbers. The drawing includes a central shaft with a pulley, a motor housing, and a mounting bracket. Labels include:
- A**: Points to the motor housing.
 - B**: Points to the mounting bracket.
 - C**: Points to the pulley.
 - D**: Points to the motor housing.
 - 8**: Points to the mounting bracket.
 - 9**: Points to the motor housing.
 - 9A**: Points to the motor housing.

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4. Attach Tooling (A), Tooling (C), and two suitable lifting devices onto final drive housing (8). The weight of final drive housing (8) is approximately 181 kg (400 lb). Remove nuts (9).
5. Use Tooling (D) in order to remove final drive housing (8).

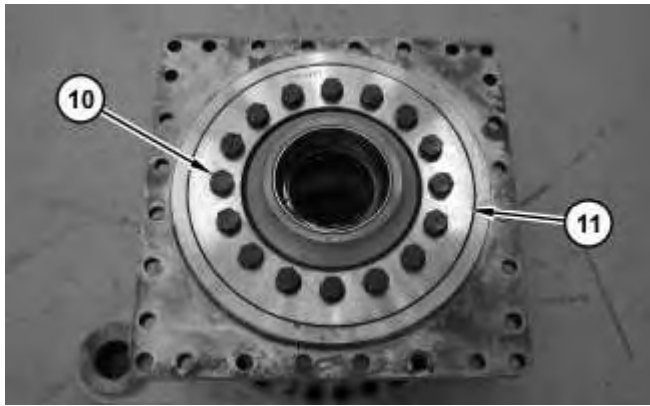


Illustration 5

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6. Remove bolts (10). Remove retainer (11).

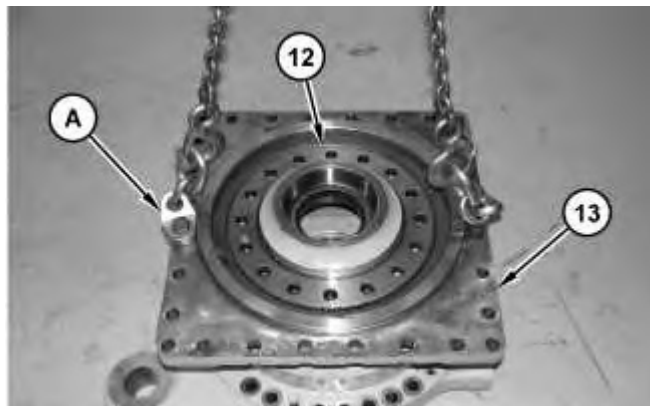


Illustration 6

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7. Remove shims (12). Use Tooling (A) and a suitable lifting device in order to remove housing (13). The weight of housing (13) is approximately 57 kg (126 lb).

Note: Note the quantity and the order of shims (12).

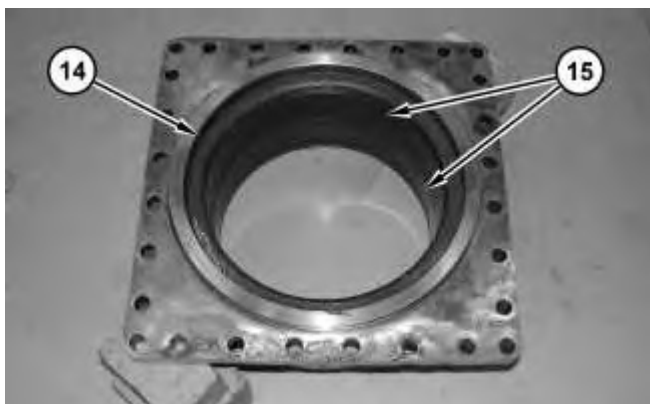


Illustration 7

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