SERVICE MANUAL

Megacutter™ 512
Megacutter™ 530

Tractor Mounted Disc Mower-Conditioner

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MidWestTech | New Holland Megacutter 512, 530 Tractor Mounted Disc Mower Conditioner Service Manual | Publication 47390184

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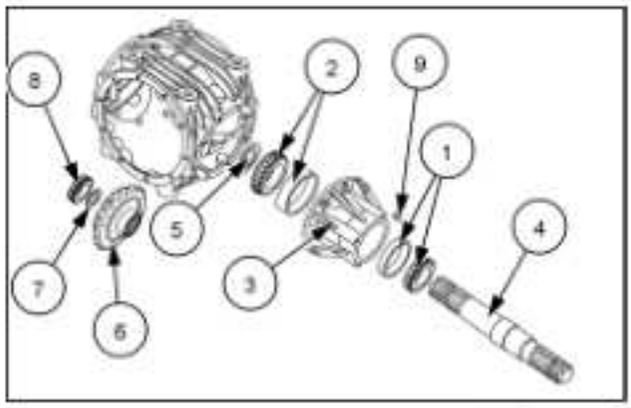
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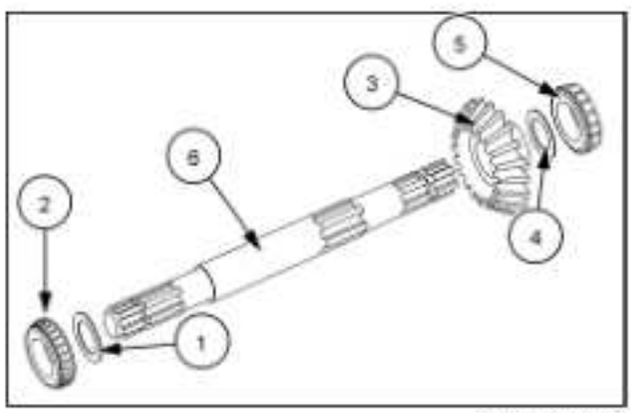
Main gearbox - Assemble

MegaCutter™ 530

1. Assemble the outer rings **(1)**, and **(2)**, and inside extension **(3)**.
2. Assemble the inner ring **(1)** on to the shaft **(4)**.
3. Assemble the pre-mounted shaft **(4)** to the inside extension **(3)**.
4. Assemble inner ring **(2)**.
5. Use a silicone film between housing and extension contact faces.
6. Assemble pre-mounted extension **(3)**, bolts **(9)**. Tighten the bolts to **48.8 - 62.4 N·m** (**36 - 46 lb ft**).
7. Assemble shim **(5)**, gear **(6)**, shim **(7)** and castle nut **(8)**.
8. Screw castle nut **(8)** in order to obtain an axis preload bearing value major of **0.7 N·m** (**0.5 lb ft**).
9. Hit the shaft from both sides, in order to set the bearing axis preload.
10. Check the axis preload bearing, if the value is still major of **0.7 N·m** (**0.5 lb ft**), unscrew the castle nut and hit the shaft from both sides, until the value **0.3 - 0.7 N·m** (**0.21 - 0.5 lb ft**) is obtained.
11. Assemble cotter pin, and bend it.
12. Assemble shim **(1)**, and inner ring **(2)** onto the shaft **(6)**.
13. Assemble gear **(3)**, shim **(4)** and inner ring **(5)** onto the shaft **(6)**.

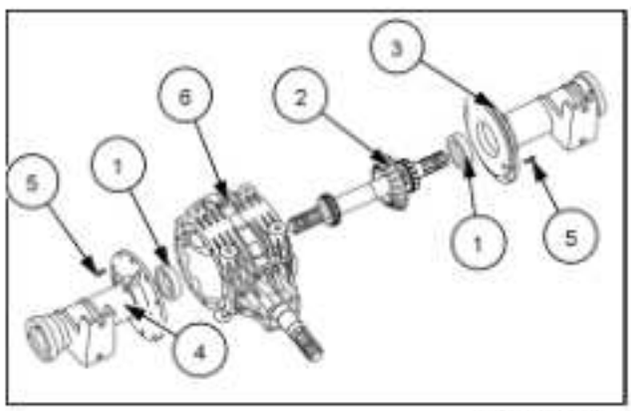


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14. Assemble outer rings **(1)** inside the extensions.
15. Assemble pre-mounted shaft **(2)**, inside extension **(3)**.
16. In order to test the right mesh between gears, use a Prussian blue compound on the gear teeth.
17. Assemble pre-mounted extension **(4)**, bolts **(5)** and tighten manually.
18. Assemble pre-mounted extension **(6)**. Align all components. Insert bolts **(5)** and tighten manually.



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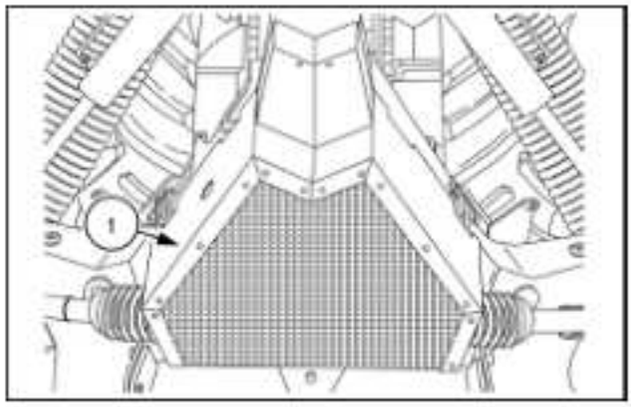
Power Take-Off (PTO) drive shaft - Troubleshooting

MegaCutter™ 512 NA, MegaCutter™ 530

Problem	Possible Cause	Correction
The slip clutch on the PTO shaft becomes abnormally warm.	The speed of the PTO shaft is too slow.	Check that the rotational speed of the tractor PTO output shaft is **1000 RPM**.
	The friction discs in the clutch are worn.	Replace the friction discs in the clutch.
The length of the PTO shaft is difficult to adjust between the tractor and the machine.	The PTO shaft profile tube is dirty.	Disassemble the PTO shaft. Clean and lubricate the shaft and reassemble.

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5. Remove the manifold shield **(1)**.



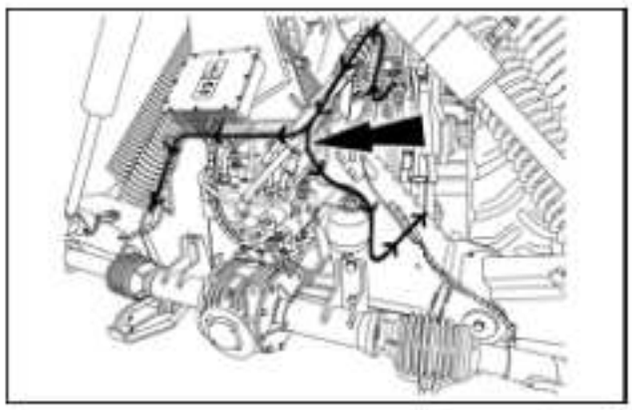
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6. Plug the wire harness into the tractor and route the harness along the bundled hydraulic lines, as shown. Secure the harness to the lines using zip ties.

NOTICE: *Make sure the wire harness will not get tangled or caught in any moving parts.*

7. Loosely install a P-clamp using an **M8 x 12** bolt to clamp to the frame at the location indicated. Route the left-hand and right-hand branches of the wire harness as shown.

NOTE: *The right-hand and left-hand branches of the wire harness are labeled. Make sure you route the correct branch to each side.*



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