



Customer Bulletin

Commercial Products

August 06, 2020

PTO Gearbox—Output Shaft Damage

Outcross® 9060

Bulletin Type Information Only

Status Final Release

Affected Units

Model Number(s)	Serial Number(s)
07511AA	400000000 through 999999999
07511BA	400000000 through 999999999
07511CA	400000000 through 999999999
07511DA	400000000 through 999999999

Situation Important Information

The Power Take Off (PTO) shaft can be damaged if the machine is not setup correctly. This bulletin is intended to bring additional awareness to customers regarding the importance of attachment setup, InfoCenter settings and operating risks when lifting and lowering attachments while in operation.

Corrective Action Fix as Fail

- Ensure the correct PTO shaft is selected for the attachment. If using multiple attachments, some attachments may require different sized PTO shafts. Refer to the specific attachment setup instructions for the PTO shaft selection requirements.
- Each attachment will require unique MAXIMUM LIFT parameter settings within the machine's InfoCenter. Refer to the Outcross *Operator's Manual* and *Software Guide* on how to access and set the MAXIMUM LIFT parameter settings.
- Operators must be aware of the attachment operating limits, particularly how much the attachment can be lifted while in operation.
- Operators must also be aware that modifying the lift system such as adding a hydraulic cylinder to the top of the 3-point hitch can also cause additional geometric lifting risks.
- To mitigate PTO failures, ensure new operators are trained and familiar with the proper PTO settings and the potential risk of damaging the PTO shaft.

Parts

Currently available

PTO gearbox damage will require replacement of the entire gearbox assembly. No service parts are available.

Part Number	Part Description
133-4790	Gearbox assembly

References

Find the latest operator's manuals, service manuals, schematics, parts catalogs, and customer bulletins at www.Toro.com.

Service Instructions

Before operating an attachment:

- Ensure that the PTO shaft length is correct for each attachment.
- Follow the attachment setup instructions for the proper PTO shaft selection and the appropriate working length.
- Cut the PTO shaft if required prior to installation and use.

Review the following settings for the machine and InfoCenter:

- Ensure the mode selection is not in SETUP or INCHMODE (Figure 1). In these modes, the 3-point hitch will raise beyond any maximum-lift height setting.

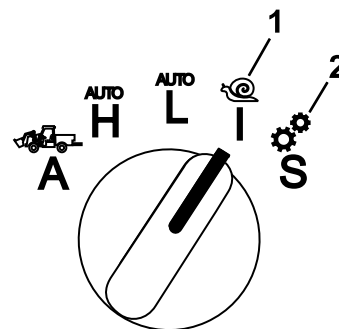


Figure 1

1. Inch mode

2. Setup mode

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- Ensure an attachment is selected in the InfoCenter.
 - Select the correct attachment in the InfoCenter when you change different attachments.
 - Ensure the maximum-lift height setting for an attachment is set and is not set too high.

- Ensure that an attachment's maximum lift parameters are set correctly in the InfoCenter (Figure 2); refer to the *Software Guide* . Select the correct attachment prior to machine operation and do not deviate from this setting until the attachment is removed.

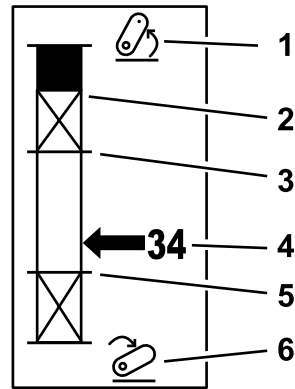


Figure 2

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|---|---|
| 1. 3-point hitch lifted | 4. Current hitch position |
| 2. Maximum 3-point height position for the current, active attachment | 5. Minimum work position for the current, active attachment |
| 3. Maximum work position for the current, active attachment | 6. 3-point hitch lowered |

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- Read and understand the Using Attachments section in the *Operator's Manual* for the Outcross 9060.