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› RATION Telescoping Driveshaft 677847 Instruction Manual for Holland Hay Rakes NH 256, 258, 259, 260

RATION 677847 (Compatible with NH 256, 258, 259, 260)

RATION Telescoping Driveshaft 677847 Instruction Manual

Model: 677847 | Brand: RATION

INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of the RATION Telescoping Driveshaft, model 677847. This driveshaft is specifically designed as a replacement component for Holland Hay Rakes, including models NH 256, NH 258, NH 259, and NH 260. Adhering to these guidelines will ensure optimal performance and longevity of the driveshaft.



Image 1: RATION Telescoping Driveshaft 677847. This image displays the driveshaft component, featuring a cylindrical body with a yoke attachment at one end, indicating its mechanical purpose in power transmission.

SAFETY INFORMATION

Always prioritize safety when working with agricultural machinery and replacement parts. Failure to follow safety precautions can result in serious injury or equipment damage.

- **Read all manuals:** Before installation or operation, thoroughly read this manual and the original equipment manufacturer's (OEM) manual for your Holland Hay Rake.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, gloves, and sturdy footwear.
- **Disconnect Power:** Ensure all power sources to the hay rake are disconnected and the machine is safely secured before performing any installation, maintenance, or inspection.
- **Secure Equipment:** Use appropriate blocking or stands to prevent accidental movement of the hay rake during work.
- **Proper Tools:** Use only the correct tools for the job.
- **Keep Clear:** Keep hands, feet, and clothing away from moving parts.
- **Professional Assistance:** If you are unsure about any procedure, consult a qualified technician.

SETUP AND INSTALLATION

Proper installation is crucial for the driveshaft's performance and safety. Refer to your Holland Hay Rake's specific service manual for detailed removal and installation procedures of the existing driveshaft.

Pre-Installation Checks:

- **Compatibility:** Verify that the RATION Telescoping Driveshaft 677847 is the correct replacement part for your specific Holland Hay Rake model (NH 256, 258, 259, or 260). Compare dimensions and mounting points with the original part.
- **Inspect New Part:** Before installation, carefully inspect the new driveshaft for any signs of shipping damage or manufacturing defects.
- **Gather Tools:** Ensure you have all necessary tools, including wrenches, sockets, and a torque wrench.

Installation Steps (General Guidelines):

1. **Remove Old Driveshaft:** Following your hay rake's OEM manual, safely disconnect and remove the worn or damaged driveshaft. Note the orientation and connection points.
2. **Clean Mounting Surfaces:** Clean any debris, rust, or old grease from the mounting surfaces on both the hay rake and the tractor (if applicable) where the driveshaft connects.
3. **Lubricate:** Apply a suitable grease to the splines and universal joints of the new driveshaft as recommended by the OEM manual.
4. **Install New Driveshaft:** Carefully align and attach the RATION Telescoping Driveshaft 677847 to the appropriate connection points. Ensure it slides smoothly and engages fully.
5. **Secure Fasteners:** Tighten all bolts and fasteners to the torque specifications provided in your hay rake's OEM manual. Do not overtighten.
6. **Verify Engagement:** Manually rotate the driveshaft to ensure free movement and proper engagement without binding.



Image 2: Close-up of the driveshaft yoke end. This image highlights the connection point of the driveshaft, showing the precision required for proper alignment and secure fastening during installation.

OPERATING INSTRUCTIONS

Once the driveshaft is installed, operate your hay rake according to the manufacturer's guidelines. The RATION Telescoping Driveshaft is designed to function seamlessly within the specified operating parameters of the Holland Hay Rakes.

- **Initial Test:** After installation, perform a slow, controlled test run in a safe area to ensure all components are functioning correctly and there are no unusual noises or vibrations.
- **Load Management:** Avoid overloading the hay rake, as this can put excessive strain on the driveshaft and other components.
- **Regular Checks:** Periodically check the driveshaft during operation for any signs of overheating, excessive vibration, or loose connections.

MAINTENANCE

Regular maintenance extends the life of your driveshaft and ensures reliable operation. Follow these general maintenance practices in addition to your hay rake's OEM recommendations.

- **Lubrication:** Regularly lubricate the universal joints and telescoping sections of the driveshaft with appropriate grease. Frequency should align with your hay rake's maintenance schedule, typically every 8-10 hours of operation or as specified.
- **Inspection:** Visually inspect the driveshaft before each use. Look for:
 - Cracks, dents, or bends in the shaft.
 - Wear or damage to universal joints (U-joints).
 - Loose or missing bolts and fasteners.
 - Corrosion or excessive dirt buildup.
- **Cleaning:** Keep the driveshaft clean from dirt, crop residue, and moisture to prevent corrosion and wear.
- **Storage:** When not in use for extended periods, store the hay rake and driveshaft in a dry, protected environment.

TROUBLESHOOTING

This section addresses common issues that may arise with the driveshaft. For complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Excessive Vibration	Unbalanced driveshaft, worn U-joints, loose connections, bent shaft.	Inspect for damage or wear. Tighten all fasteners. Replace worn components. Ensure proper alignment.
Unusual Noises (e.g., grinding, clicking)	Lack of lubrication, worn U-joints, foreign object interference, damaged bearings.	Lubricate U-joints. Inspect for obstructions. Replace damaged U-joints or bearings.
Driveshaft Binding	Improper installation, insufficient lubrication, bent shaft, excessive angle.	Verify correct installation and alignment. Lubricate telescoping sections. Check for shaft damage. Adjust operating angle if possible.
Overheating	Lack of lubrication, excessive friction, worn components.	Ensure adequate lubrication. Inspect for binding or worn parts causing friction.

SPECIFICATIONS

Brand	RATION
Model Number	677847
Compatible Hay Rakes	Holland Hay Rakes NH 256, NH 258, NH 259, NH 260
ASIN	B0DV7H8W4P

Part Type	Telescoping Driveshaft
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WARRANTY AND SUPPORT

Specific warranty details for the RATION Telescoping Driveshaft 677847 are not provided within the product information. For warranty inquiries or technical support, please contact your retailer or the RATION manufacturer directly.

When contacting support, please have your product model number (677847) and purchase information readily available.

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This manual is for informational purposes only. Always refer to the original equipment manufacturer's manual for your specific hay rake model.

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