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Nayuank 6727475

Hydraulic Cap 6727475 Instruction Manual

Brand: Nayuank | **Model:** 6727475

1. Product Overview

This document provides information regarding the Nayuank Hydraulic Cap, part number 6727475. This cap is designed for use with various Bobcat Skid Steer Loader models, serving as a crucial component for the hydraulic reservoir system. It helps maintain system integrity and prevent contamination.





Image 1.1: Overall view of the Nayuank Hydraulic Cap 6727475. This image displays the cap's top surface, marked "HYDRAULIC OIL", and its general shape.

2. Setup and Installation

Important Note:
This kit does not include detailed installation instructions. Professional installation is highly recommended to ensure proper fitment and function, and to prevent damage to the hydraulic system or injury.
When replacing the hydraulic cap, ensure the Bobcat Skid Steer Loader is turned off and the hydraulic system is depressurized according to the vehicle's service manual. Carefully remove the old cap and install the new Nayuank Hydraulic Cap 6727475, ensuring it is securely fastened to prevent leaks and maintain system integrity.

3. Operation and Usage

The hydraulic cap serves to seal the hydraulic fluid reservoir while allowing for proper venting to prevent vacuum or

pressure buildup. It also often incorporates a filter to prevent contaminants from entering the system through the vent.
To check hydraulic fluid levels, carefully twist off the cap. After checking or refilling, ensure the cap is securely re-installed. Refer to your specific Bobcat Skid Steer Loader's operator's manual for recommended hydraulic fluid types, fill levels, and inspection schedules.



Image 3.1: Top-down view of the hydraulic cap, showing the integrated filter element designed to prevent debris from entering the hydraulic system.

4. Maintenance

Regular inspection of the hydraulic cap is recommended as part of routine equipment maintenance. Check for:

- **Cracks or Damage:** Inspect the cap body and threads for any signs of physical damage that could compromise the seal.
- **Seal Integrity:** Ensure the rubber O-ring or gasket (if present) is intact and not brittle or cracked.
- **Filter Cleanliness:** The internal filter should be free of excessive dirt or debris. If heavily contaminated, replacement of the cap may be necessary as the filter is integrated.

- **Secure Fit:** Confirm the cap twists on and off smoothly and provides a tight, secure seal when installed.

Clean the exterior of the cap with a damp cloth as needed. Do not use harsh chemicals that could degrade the plastic or rubber components.

5. Troubleshooting

If you encounter issues with the hydraulic cap, consider the following:

- **Fluid Leaks Around Cap:**
  - Ensure the cap is fully tightened.
  - Inspect the cap's threads and the reservoir's opening for damage.
  - Check the cap's internal seal (O-ring/gasket) for wear or damage.
- **Difficulty Removing/Installing Cap:**
  - Check for dirt or debris in the threads.
  - Ensure the cap is aligned correctly before twisting.
- **Unusual Noises from Hydraulic System:**
  - While unlikely to be solely caused by the cap, a faulty or improperly vented cap could contribute to system issues. Consult a professional if unusual noises persist.

For any persistent or complex hydraulic system issues, always consult a qualified technician or refer to your Bobcat equipment's official service manual.

6. Specifications

Feature	Detail
Part Number	6727475
Brand	Nayuank
Color	Black
Closure Type	Twist-On
Item Weight	0.14 Kilograms (approx. 5 ounces)
Outer Diameter (OD)	Approx. 86.6 mm (3.41 inches)
Inner Diameter (OD)	Approx. 49.3 mm (1.94 inches)
Overall Height	Approx. 57.8 mm (2.28 inches)
Cap Height (excluding threaded part)	Approx. 38.2 mm (1.5 inches)



Image 6.1: Measurement of the cap's outer diameter, approximately 86.6 mm (3.41 inches).



Image 6.2: Measurement of the cap's inner diameter, approximately 49.3 mm (1.94 inches).



Image 6.3: Measurement of the cap's height (excluding threaded part), approximately 38.2 mm (1.5 inches).



Image 6.4: Measurement of the cap's overall height, approximately 57.8 mm (2.28 inches).

7. Compatibility

This Hydraulic Cap (Part Number 6727475) is compatible with a wide range of Bobcat Skid Steer Loader models, including but not limited to:

- 418, E08, E10
- 540, 542, 543, 553
- 642, 643, 653
- 751, 753, 763, 773, 7753
- 843, 853, 863, 864, 873, 883
- 943, 953, 963
- A300, A770

- MT50, S100, S130, S220, S250, S300, S510, S530, S550, S570, S590, S630, S650, S750, S770, S850
- T110, T140, T200, T250, T300, T320, T550, T590, T630, T650, T750, T770, T870
- T40140, T40180, TL360, TL470, TL470HF

To ensure the correct part for your specific equipment, it is recommended to verify compatibility with your Bobcat model and part number before purchase. Providing your engine model or a view of the engine nameplate when ordering can help reduce error rates.

8. Important Considerations

- This product is a replacement part. Always refer to your original equipment manufacturer's manual for comprehensive instructions and safety guidelines related to your Bobcat Skid Steer Loader.
- While this cap is designed for durability, regular inspection and timely replacement are key to maintaining the health of your hydraulic system.

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