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› SuperATV Front Differential Fill and Drain Plug Kit Instruction Manual

SuperATV PK-DIFF-P-001#SATV

SuperATV Front Differential Fill and Drain Plug Kit

Model: PK-DIFF-P-001#SATV

INTRODUCTION

This instruction manual provides detailed guidance for the installation and maintenance of your SuperATV Front Differential Fill and Drain Plug Kit. This kit is specifically designed for all Gen 3 portals and is compatible with both stock and SuperATV differentials. Made from heavy-duty steel, the drain plug includes a magnet to capture metal shavings and debris, ensuring the longevity of your differential.

SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when working on vehicles. Ensure the vehicle is securely supported on a level surface before beginning any work. Allow the differential to cool down before handling to prevent burns.

WARNING: This product may contain a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.

PRODUCT COMPONENTS

The SuperATV Front Differential Fill and Drain Plug Kit includes the following:

- Steel Fill Plug (M16 x 1.5 thread pitch)
- Steel Drain Plug with Magnet (M16 x 1.5 thread pitch)
- O-Ring Seals for both plugs



Image: The SuperATV Front Differential Fill and Drain Plug Kit components, showing both the fill and drain plugs with their respective O-ring seals.



Image: Close-up view of the SuperATV differential plugs, highlighting the magnetic tip on the drain plug designed to collect metal shavings.

SETUP AND INSTALLATION

This kit is designed to replace existing differential fill and drain plugs. The installation process involves draining the old differential fluid and installing the new plugs.

1. **Preparation:** Ensure the vehicle is parked on a level surface and the engine is off and cool. Place a drain pan underneath the differential.
2. **Locate Plugs:** Identify the existing front differential fill and drain plugs. The drain plug is typically at the bottom, and

the fill plug is higher up on the differential casing.

- 3. **Drain Fluid:** Carefully remove the old drain plug first, allowing the differential fluid to drain completely into the pan. Once drained, remove the old fill plug.
- 4. **Install New Drain Plug:** Clean the drain plug opening. Install the new SuperATV magnetic drain plug with its O-ring seal. Tighten to manufacturer specifications (M16 x 1.5 thread pitch). The magnet will help collect metallic debris.
- 5. **Refill Differential:** Fill the differential with the recommended type and amount of new differential fluid through the fill plug opening. Refer to your vehicle's service manual for fluid type and capacity.
- 6. **Install New Fill Plug:** Once the differential is filled to the correct level, install the new SuperATV fill plug with its O-ring seal. Tighten to manufacturer specifications (M16 x 1.5 thread pitch).
- 7. **Check for Leaks:** After installation, inspect both plugs for any signs of leaks.

Note: For specific torque specifications, always consult your vehicle's official service manual.

OPERATING AND FUNCTION

The SuperATV Front Differential Fill and Drain Plug Kit ensures a secure seal for your differential, preventing fluid leaks. The integrated magnet in the drain plug actively collects ferrous metal particles from the differential fluid, which helps to extend the life of your differential by removing abrasive wear debris.

MAINTENANCE

Regular inspection of the differential plugs is recommended during routine vehicle maintenance.

- **Fluid Changes:** Replace differential fluid according to your vehicle manufacturer's recommended service intervals. During fluid changes, inspect the O-ring seals for wear and replace if necessary.
- **Drain Plug Magnet:** When draining the differential fluid, clean any metal shavings from the magnetic drain plug before reinstallation. This indicates normal wear and tear within the differential.
- **Leak Checks:** Periodically check around the fill and drain plugs for any signs of fluid leakage. If leaks are detected, ensure the plugs are properly tightened and the O-rings are in good condition.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Fluid Leak from Plug	Plug not tightened correctly; Damaged O-ring seal; Damaged threads on plug or differential casing.	Ensure plug is tightened to specification; Replace O-ring seal; Inspect threads for damage and replace plug if necessary.
Plug does not fit	Incorrect thread pitch for vehicle's differential; Not designed for your specific portal generation.	Verify compatibility with your vehicle's differential and portal generation (Fits All Gen 3 portals, M16 x 1.5 thread pitch). Contact SuperATV support if unsure.

SPECIFICATIONS

- **Product Name:** Front Differential Fill and Drain Plug Kit
- **Model Number:** PK-DIFF-P-001#SATV

- **Brand:** SuperATV
- **Material:** Heavy-Duty Steel (Alloy Steel)
- **Thread Pitch:** M16 x 1.5
- **Compatibility:** All Gen 3 portals, compatible with stock and SuperATV differentials (e.g., Polaris Scrambler or Sportsman)
- **Special Feature:** Magnetic drain plug
- **Item Weight:** Approximately 2 pounds
- **Package Dimensions:** Approximately 12 x 8 x 1 inches

WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official SuperATV website or contact their customer service directly.

Return Policy: This product is subject to a 30-day refund/replacement return policy as per Amazon's buybox winner information.

Online Resources: Visit the official SuperATV store on Amazon for more products and information:[SuperATV Amazon Store](#)

ABOUT SUPERATV

SuperATV is dedicated to innovating and providing high-quality parts and accessories for off-road enthusiasts. With a focus on making your ride better, SuperATV offers a wide range of products developed from a passion for off-roading.



Image: An off-road vehicle in action, demonstrating the rugged use cases for SuperATV products.



Image: A SuperATV team member embodying the passion behind the brand.

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