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Harpra 44300-22072, 44300-22076

Harpra Fuel Tank Switch Valve Petcock Instruction Manual

Models: 44300-22072, 44300-22076, 44300-22073

1. Product Overview

This document provides essential information for the Harpra Fuel Tank Switch Valve Petcock, a direct replacement component designed for specific Suzuki motorcycle models. This petcock controls the fuel flow from the fuel tank to the carburetor, ensuring proper engine operation. It includes an integrated filter to prevent debris from entering the fuel system.

The package includes one (1) petcock with filter, as depicted in the images below.

2. Product Components



Image 1: Harpra Fuel Tank Petcock with filter, showing the lever in the 'ON' position. This view highlights the main body, fuel outlet, and the integrated fuel filter tube.



Image 2: Harpra Fuel Tank Petcock, side view, showing the mounting flange and the fuel filter tube. This angle provides a clearer view of the mounting points and the overall construction.

The petcock consists of a main valve body, a control lever for selecting fuel flow positions, a fuel inlet, one or more fuel outlets, and an integrated fuel filter tube designed to extend into the fuel tank.

3. Compatibility and Fitment

This fuel tank switch valve petcock is designed as a direct replacement for the following Suzuki motorcycle models and part numbers:

- **Replaces Part Numbers:** 44300-22072, 44300-22076, 44300-22073
- **Compatible Models:**
    - GN125 (1982-2001)
    - GN250 (1985-2001)
    - GN250E (1991-2001)
    - TS100 HONCHO (1980-1981)
    - TS125 ER (1979-1981)

- TS185 ER (1978-1984)
- TS250 ER (1979-1981)

Please verify your motorcycle's model and original part number before installation to ensure proper fitment.

4. Installation

While detailed installation instructions are not included with this aftermarket product, the following general steps apply to replacing a fuel petcock. It is recommended that installation be performed by a qualified mechanic or an individual with experience in motorcycle maintenance.

1. **Safety First:** Ensure the motorcycle is on a stable stand. Allow the engine to cool completely. Disconnect the battery's negative terminal to prevent accidental electrical shorts.
2. **Drain Fuel:** Turn the existing petcock to the 'OFF' position. Place a suitable container under the fuel tank and drain all fuel.
3. **Disconnect Fuel Lines:** Carefully disconnect the fuel line(s) from the old petcock. Be prepared for residual fuel to spill.
4. **Remove Old Petcock:** Unscrew the mounting bolts or nuts that secure the old petcock to the fuel tank. Remove the old petcock and its gasket.
5. **Inspect Mounting Surface:** Clean the mounting surface on the fuel tank thoroughly, ensuring it is free of old gasket material and debris.
6. **Install New Petcock:** Place a new gasket (if not integrated) onto the new Harpra petcock. Carefully insert the petcock into the fuel tank opening, ensuring the filter tube is correctly positioned. Secure it with the mounting bolts/nuts, tightening them evenly to prevent leaks.
7. **Reconnect Fuel Lines:** Reconnect the fuel line(s) to the new petcock. Ensure all connections are secure and free of kinks.
8. **Refill Fuel Tank:** Add a small amount of fuel to the tank and check for any leaks around the petcock and fuel lines. If no leaks are present, refill the tank.
9. **Test Operation:** Turn the petcock to the 'ON' position. Allow fuel to flow to the carburetor. Start the motorcycle and check for proper fuel delivery and absence of leaks.

Warning: Fuel is highly flammable. Perform installation in a well-ventilated area away from open flames or sparks. Wear appropriate personal protective equipment.

5. Operation

The fuel petcock typically features a lever with three common positions:

- **ON:** This is the standard operating position. Fuel flows from the main fuel supply in the tank to the carburetor.
- **OFF:** This position stops the flow of fuel from the tank to the carburetor. Always turn the petcock to 'OFF' when parking the motorcycle for extended periods or during maintenance to prevent fuel leaks or carburetor flooding.
- **RES (Reserve):** When the main fuel supply runs low, switch to the 'RES' position. This accesses a small reserve amount of fuel, allowing you to reach a fuel station. Remember to switch back to 'ON' and refuel as soon as possible.

Familiarize yourself with the specific markings on your petcock for correct operation.

6. Maintenance

Regular maintenance of your fuel petcock can help ensure reliable fuel delivery:

- **Inspect for Leaks:** Periodically check around the petcock and fuel lines for any signs of fuel leaks. Address any leaks immediately.
- **Check Fuel Filter:** The integrated fuel filter helps prevent contaminants. If you notice reduced fuel flow or suspect clogging, the petcock may need inspection or replacement.
- **Smooth Operation:** Ensure the control lever moves smoothly between positions. If it feels stiff or loose, it may indicate internal wear.
- **Cleanliness:** Keep the area around the petcock clean to prevent dirt from entering the fuel system.

7. Troubleshooting

If you experience issues with your fuel system, consider the following common troubleshooting steps related to the petcock:

- **No Fuel Flow:**
  - Ensure the petcock is in the 'ON' or 'RES' position.
  - Check if the fuel tank has sufficient fuel.
  - Inspect the fuel line for kinks or blockages.
  - The internal filter may be clogged.
- **Fuel Leaks:**
  - Check the mounting bolts for proper tightness.
  - Inspect the gasket for damage or improper seating.
  - Examine fuel line connections for looseness or cracks.
- **Engine Stalling/Poor Performance:** This could be due to inconsistent fuel flow, potentially caused by a partially clogged petcock filter or a faulty petcock valve.

If troubleshooting does not resolve the issue, professional inspection and repair are recommended.

8. Specifications

Specification	Detail
Brand	Harpra
Part Numbers Replaced	44300-22072, 44300-22076, 44300-22073
Manufacturer Part Number	44300-22072, 44300-22076
Item Package Quantity	1
UPC	763967640022
Color	Grey

9. Warranty and Support

For information regarding warranty coverage or technical support, please refer to the retailer or manufacturer's official

website where the product was purchased. Keep your purchase receipt as proof of purchase.

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