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Motion Pro 08-0119

Motion Pro Pilot Screw Adjusting Tool

MODEL: 08-0119 - MOTORCYCLE CARBURETOR TOOL

Introduction

This manual provides instructions for the proper use and care of your Motion Pro Pilot Screw Adjusting Tool, Model 08-0119. This specialized tool is designed to facilitate precise adjustments of pilot screws on motorcycle and powersports vehicle carburetors, particularly in hard-to-reach areas.



Image: The Motion Pro Pilot Screw Adjusting Tool, featuring its angled head and rotating handle.

Setup

The Motion Pro Pilot Screw Adjusting Tool is designed for immediate use. No assembly is typically required. The tool features an angled head and a rotating handle for ease of access and adjustment. To prepare the tool for use:

1. **Inspect the Tool:** Before each use, ensure the tool is clean and free from damage.
2. **Familiarize Yourself:** Understand the function of the angled head and the rotating handle. The handle allows for fine adjustments without needing to reposition your hand or the tool.

Your browser does not support the video tag.

Video: Demonstration of the Pilot Screw Adjusting Tool, showing its design and how the handle rotates for adjustment.

Operating Instructions

This tool is specifically designed for adjusting carburetor pilot screws, often located in confined spaces. Follow these steps for effective operation:

1. **Identify the Pilot Screw:** Locate the pilot screw on your carburetor. Consult your vehicle's service

manual for its exact position and type.

2. **Insert the Tool:** Carefully guide the angled head of the Motion Pro tool onto the pilot screw. The 110-degree angle is designed to reach screws that are difficult to access with standard screwdrivers.
3. **Engage the Screw:** Ensure the tool's tip is securely seated in the pilot screw slot.
4. **Adjust:** Rotate the handle of the tool to turn the pilot screw. The rotating handle allows for precise, incremental adjustments without needing to remove and reinsert the tool. Turn clockwise to lean the mixture (reduce fuel) or counter-clockwise to richen the mixture (increase fuel).
5. **Monitor Engine Response:** Make small adjustments and observe the engine's idle and off-idle performance. Refer to your vehicle's service manual for recommended pilot screw settings and tuning procedures.
6. **Remove the Tool:** Once adjustments are complete, carefully withdraw the tool from the pilot screw.

Your browser does not support the video tag.

Video: Overview of the 16.34-inch, 110-degree angled head motorcycle tool, highlighting its features and application for ATV, UTV, and snowmobile carburetors.

Maintenance

Proper maintenance ensures the longevity and performance of your tool:

- **Cleaning:** After each use, wipe the tool clean with a soft cloth to remove any fuel, oil, or debris.
- **Storage:** Store the tool in a dry, clean environment to prevent corrosion. Keep it away from excessive heat or direct sunlight.
- **Inspection:** Periodically inspect the tool for any signs of wear or damage, especially the tip and the rotating mechanism.

Troubleshooting

If you encounter issues while using the tool, consider the following:

- **Tool Not Fitting:** Ensure the pilot screw type matches the tool's tip. Some carburetors may have different screw designs or require a different angle.
- **Difficulty Reaching:** Verify that the tool's length and angle are appropriate for your specific vehicle and carburetor configuration. In some rare cases, extreme access limitations may exist.
- **Screw Not Turning:** If the pilot screw is seized or excessively tight, do not force the tool. This could damage the tool or the carburetor. Apply penetrating oil if safe and appropriate, or seek professional assistance.

For specific carburetor tuning issues, always refer to your vehicle's official service manual or consult a qualified mechanic.

Specifications

| Feature | Detail |
|----------------------|----------------------------------|
| Brand | Motion Pro |
| Model Number | 08-0119 |
| Item Weight | 9.3 ounces |
| Package Dimensions | 19.84 x 2.99 x 0.51 inches |
| Vehicle Service Type | Motorcycle |
| Recommended Uses | Motorcycle Carburetor Adjustment |

Warranty and Support

For information regarding warranty coverage or technical support, please contact Motion Pro directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.