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Motion Pro 08-0242

Motion Pro Replacement D-Shaped Bit for Hex Driver 08-0242 User Manual

Model: 08-0242 | Brand: Motion Pro

INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of the Motion Pro Replacement D-Shaped Bit, model 08-0242. This specialized bit is designed for precise adjustment of D-shaped pilot jets, commonly found in carburetors of various engines. It is intended for use with a compatible 90-degree hex driver, such as Motion Pro Part #08-0229.

PRODUCT OVERVIEW

The Motion Pro 08-0242 D-Shaped Bit is a durable, nickel pewter finished tool designed for specific carburetor adjustment tasks. Its unique D-shape allows engagement with pilot jets that have a corresponding D-shaped head, preventing damage to the jet and ensuring accurate adjustments. This bit is sold individually.



Image: The Motion Pro 08-0242 D-Shaped Bit, a specialized tool with a D-shaped opening at one end and a hexagonal drive at the other, designed for carburetor adjustments. The model number "08-0242" is visible on the side of the bit.

Key Features:

- **D-Shaped Pilot Jet Bit:** Specifically designed to engage D-shaped pilot jets.
- **Compatibility:** For use with 90-degree hex drivers, such as Motion Pro Part #08-0229.
- **Durable Construction:** Features a durable nickel pewter finish for longevity.
- **Model Number:** Identified as 08-0242 "D" Type Socket.

SETUP

The Motion Pro 08-0242 D-Shaped Bit is an accessory designed to be used with a compatible hex driver. Follow these steps for proper setup:

1. **Identify Compatible Driver:** Ensure you have a 90-degree hex driver, such as the Motion Pro Part #08-0229, which is designed to accept 1/4" drive bits.
2. **Insert the Bit:** Firmly insert the hexagonal end of the 08-0242 D-Shaped Bit into the drive receptacle of your hex driver. Ensure it is seated securely to prevent slippage during use.
3. **Verify Connection:** Gently tug on the bit to confirm it is properly locked into the driver. A secure connection is crucial for safe and effective operation.

Note: Always ensure the bit is clean and free of debris before attaching it to the driver to maintain a secure fit and prevent damage.

OPERATING INSTRUCTIONS

This D-shaped bit is primarily used for adjusting the fuel/air mixture screws (pilot jets) on carburetors that feature a D-

shaped head. These screws are often recessed and require a specialized tool for access and adjustment.

- 1. Locate the Pilot Jet:** Identify the D-shaped pilot jet screw on your carburetor. This may require removing air filters or other components for access. Consult your vehicle's service manual for the exact location.
- 2. Engage the Bit:** Carefully insert the D-shaped end of the 08-0242 bit onto the pilot jet screw. Ensure the bit fully engages the D-shaped head to prevent stripping.
- 3. Perform Adjustment:** Once engaged, use the hex driver to turn the pilot jet screw. Turn clockwise to lean the mixture (reduce fuel) or counter-clockwise to richen the mixture (increase fuel). Make small, incremental adjustments and test the engine's performance after each adjustment.
- 4. Avoid Overtightening:** Pilot jet screws are delicate. Do not overtighten them, as this can damage the screw or the carburetor body. Adjust only until the desired engine performance is achieved.

Caution: Carburetor adjustments can affect engine performance and emissions. If you are unsure about the adjustment process, consult a qualified mechanic or refer to your vehicle's specific service manual.

MAINTENANCE

Proper maintenance will extend the life of your Motion Pro D-Shaped Bit and ensure its continued effectiveness.

- Cleaning:** After each use, wipe the bit clean with a dry cloth to remove any oil, grease, or debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- Storage:** Store the bit in a dry environment to prevent corrosion. A tool roll or box is recommended to protect it from impacts and loss.
- Inspection:** Periodically inspect the D-shaped end for signs of wear, deformation, or damage. If the D-shape appears rounded or damaged, the bit may no longer properly engage the pilot jet and should be replaced.

TROUBLESHOOTING

This section addresses common issues you might encounter with the D-Shaped Bit.

Problem	Possible Cause	Solution
Bit does not engage pilot jet.	Incorrect pilot jet type (not D-shaped), bit is worn/damaged, or obstruction.	Verify pilot jet shape. Inspect bit for wear; replace if necessary. Clear any obstructions around the jet.
Bit slips during adjustment.	Bit not fully seated in driver, bit or jet head is stripped/worn, or excessive force applied.	Ensure bit is fully inserted into the driver. Inspect both bit and jet head for damage; replace if needed. Apply steady, gentle pressure.
Difficulty accessing pilot jet.	Limited space around carburetor.	Ensure you are using a 90-degree hex driver for optimal access. Consider removing other components for better clearance if safe to do so.

SPECIFICATIONS

Attribute	Detail
Brand	Motion Pro

Attribute	Detail
Model Number	08-0242
Item Weight	0.634 ounces
Package Dimensions	4.88 x 2.01 x 0.24 inches
Drive System	Hex
Finish Type	Nickel Pewter (Powder Coated)
Number of Pieces	1
Drive Bit Shank Style	Straight

WARRANTY & SUPPORT

Motion Pro products are manufactured to high standards. For information regarding warranty coverage, product returns, or technical support, please refer to the official Motion Pro website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

For further assistance, visit: www.motionpro.com

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