

MOTOQUEEN MQ-A74W1402CSS1

MOTOQUEEN Throttle Linkage Assembly Rod Installation Manual

Model: MQ-A74W1402CSS1

1. PRODUCT OVERVIEW

The MOTOQUEEN Throttle Linkage Assembly Rod is a replacement component designed for specific Dodge truck models equipped with P-Pump and Cummins P7100 automotive pumps. This assembly ensures precise throttle response and durability.

Material: Constructed from high-quality carbon steel and plated with white zinc on the surface. This material choice provides robust strength, durability, and enhanced resistance to corrosion, ensuring a long service life.



Image 1: MOTOQUEEN Throttle Linkage Assembly Rod. The main image displays the complete throttle linkage rod, featuring ball studs at both ends and a threaded adjustment section. An inset shows the rod installed on a P-Pump engine, highlighting its connection points.

2. COMPATIBILITY

This throttle linkage assembly rod is compatible with the following vehicle models and pump types:

- For Dodge P-Pump Joints: 1994-1998
- For Dodge Ram 2500: 1994-1998
- For Dodge Ram 3500: 1994-1998
- For Dodge Cummins P7100 Automotive Pumps

Replacement Part Numbers: This assembly replaces part numbers 3932317, 5011849AB. It is interchangeable with individual parts 3915103, 3915104, 3990093, 3990095, 3932339, 3932397, 3093946, 3990112.

COMPATIBLE

- For Joints Dodge P-Pump 1994-1998
- For Dodge Ram 2500 1994-1998
- For Dodge Ram 3500 1994-1998
- For Dodge Cummins P7100 Automotive Pumps



Image 2: Compatibility Overview. This image visually confirms the product's compatibility by displaying the throttle linkage rod alongside several models of Dodge Ram 2500 and 3500 trucks from the 1994-1998 era.

3. INSTALLATION INSTRUCTIONS

Please follow these steps carefully for proper installation. Professional installation is recommended.

1. **Preparation:** Ensure the engine is off and cool. Disconnect the battery to prevent accidental starting or electrical issues. Identify the existing throttle linkage and its connection points on the P-Pump.
2. **Removal of Old Linkage:** Carefully remove the old throttle linkage rod. Note the orientation and connection method of the existing ball studs and rod.
3. **Component Identification:** Familiarize yourself with the new MOTOQUEEN throttle linkage assembly. It includes the main rod and two ball studs. Note that one ball stud may connect clockwise and the other counter-clockwise.
4. **Initial Connection:** Connect the longer threaded end of the new throttle rod to its corresponding interface on the P-Pump. Ensure it is securely fastened but do not overtighten.
5. **Ball Stud Attachment:** Attach the two ball studs to their respective connection points. Pay close attention to the threading direction: one ball stud typically turns clockwise to connect, while the other turns counter-clockwise. This is crucial for proper assembly.
6. **Adjustment:** Once both ends are connected, check for proper throttle movement. The rod may

require minor cutting or modification to function correctly for your specific application. Adjust the length of the rod using the threaded section to achieve the correct throttle tension and full range of motion without binding.

7. **Final Check:** Verify all connections are secure. Manually operate the throttle to ensure smooth movement from idle to full throttle. Reconnect the battery.



Image 3: Throttle Linkage Components. This image provides a detailed view of the individual components of the throttle linkage assembly, including the main rod, two ball studs, and associated nuts, aiding in component identification during installation.

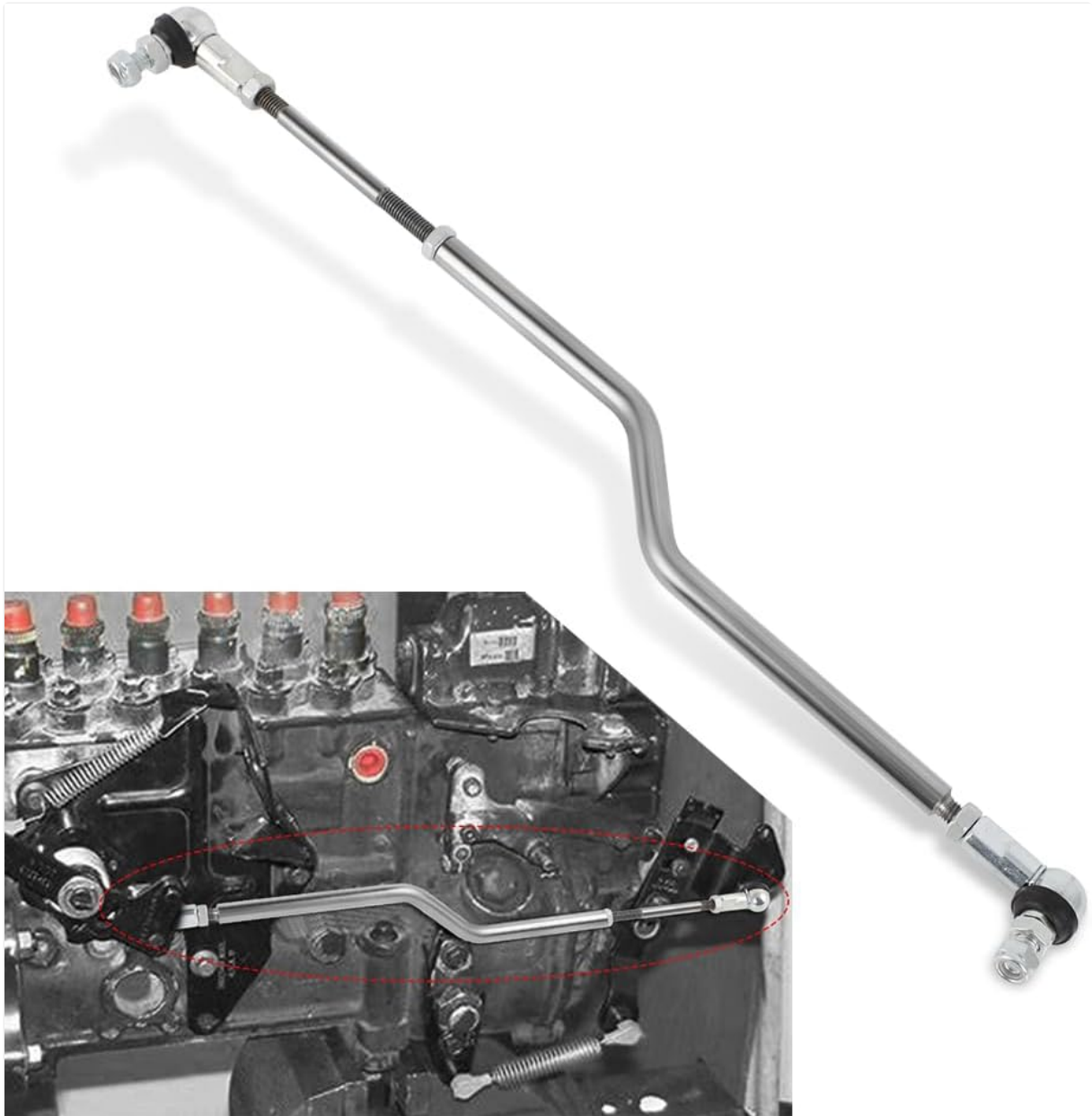


Image 4: Assembled Throttle Linkage Rod. This image shows the complete throttle linkage rod from a different angle, emphasizing its design and the ball joint connections at each end, useful for visual reference during assembly.

4. OPERATING INSTRUCTIONS

Once installed and properly adjusted, the throttle linkage assembly operates in conjunction with your vehicle's accelerator pedal to control engine speed. Ensure smooth and unrestricted movement of the pedal. Any stiffness or binding should be addressed immediately.

5. MAINTENANCE

To ensure the longevity and optimal performance of your MOTOQUEEN Throttle Linkage Assembly Rod, consider the following maintenance tips:

- **Regular Inspection:** Periodically inspect the rod and ball studs for any signs of wear, corrosion, or damage. Check for looseness in the connections.
- **Cleaning:** Keep the linkage free from dirt, grime, and debris. A clean cloth can be used to wipe down the rod.
- **Lubrication:** Apply a small amount of appropriate grease or lubricant to the ball joint connections to ensure smooth operation and prevent premature wear.
- **Corrosion Protection:** While the rod is zinc-plated for corrosion resistance, extreme conditions may still cause issues. If any signs of rust appear, address them promptly.

6. TROUBLESHOOTING

If you encounter issues with your throttle linkage, consider the following:

- **Stiff or Binding Throttle:** Check for proper alignment and ensure no components are rubbing or catching. Re-adjust the rod length if necessary. Lubricate ball joints.
- **Loose Connections:** Ensure all nuts and ball studs are tightened to the manufacturer's specifications. Do not overtighten.
- **Incorrect Threading:** As noted in installation, one ball stud may have a clockwise thread and the other a counter-clockwise thread. Ensure they are installed correctly. If a component does not fit, verify the thread direction before forcing it.
- **Modification Required:** Some applications may require minor cutting or modification of the rod for optimal fit and function. If you are unsure, consult a professional mechanic.

7. SPECIFICATIONS

Manufacturer	MOTOQUEEN
Model Number	MQ-A74W1402CSS1
Item Weight	209 grams (approx. 0.46 lbs)
Package Dimensions	23.7 x 5.79 x 2.79 cm (approx. 9.33 x 2.28 x 1.1 inches)
Material	High-quality Carbon Steel, White Zinc Plated
Replacement Part Numbers	3932317, 5011849AB

8. WARRANTY INFORMATION

MOTOQUEEN products are manufactured to high standards. For specific warranty details regarding this throttle linkage assembly rod, please refer to the product packaging or contact MOTOQUEEN customer support directly. Keep your proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or need further troubleshooting, please contact MOTOQUEEN customer support. Refer to the contact information provided with your product or visit the official MOTOQUEEN website for support resources.