

Visteon MSHV35A688-7B

Visteon MSHV35A688-7B Gear Set Rebuild Kit Instruction Manual

Model: MSHV35A688-7B | Brand: Visteon

1. INTRODUCTION

This instruction manual provides guidance for the Visteon MSHV35A688-7B Gear Set Rebuild Kit. This kit is designed for the maintenance and repair of worm gear speed reducers, specifically those compatible with Boston Gear 57746 units. It includes essential components for restoring the functionality of your gear system. For detailed assembly and installation procedures, always refer to the specific manuals provided with your original equipment and this kit.

2. KIT CONTENTS

The Visteon MSHV35A688-7B Gear Set Rebuild Kit typically includes the following components:

- Worm Gear and Mating Ring Gear
- Bearing Kit (e.g., BK426539)
- Seals and Gaskets
- Instruction Manuals for specific gear reducer models (e.g., Cone Drive, Boston Gear)



Figure 2.1: Overview of the Visteon MSHV35A688-7B Gear Set Rebuild Kit contents, including the main gear components, bearing kit, and instruction manuals.

A closer look at the primary gear components:



Figure 2.2: The worm gear and its corresponding ring gear, which are critical components for power transmission within the speed reducer.

The bearing kit is essential for smooth operation and longevity:



Figure 2.3: A sealed bag containing the bearing kit, labeled with part number 426 539, which includes various seals and bearings necessary for the rebuild.

Included documentation for assembly guidance:

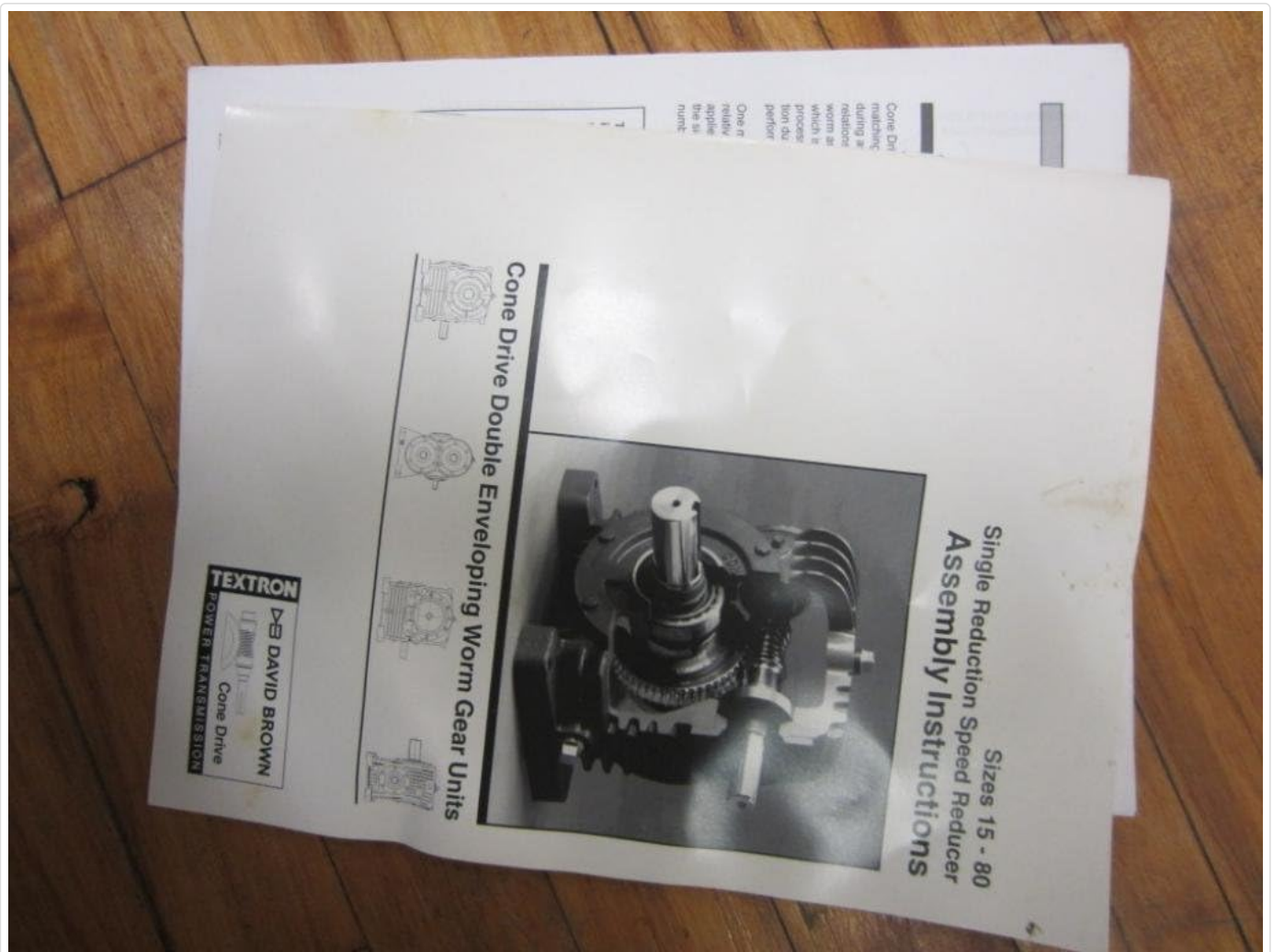


Figure 2.4: An instruction manual for Cone Drive Double Enveloping Worm Gear Units, providing detailed assembly instructions for compatible systems.



Figure 2.5: A manual titled 'Boston Gear Worm Gear Speed Reducers Installation and Operation', Doc. No. 57746, offering guidance for 700 Series single and double reductions.

3. SETUP AND INSTALLATION

Installation of the Visteon MSHV35A688-7B Gear Set Rebuild Kit requires mechanical aptitude and adherence to safety protocols. It is crucial to consult the specific assembly instructions provided with your original gear reducer unit and any supplementary manuals included in this kit (e.g., Cone Drive, Boston Gear manuals).

3.1 Safety Precautions

- Ensure the power supply to the machinery is disconnected and locked out before beginning any work.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Work in a clean, well-lit area.
- Use proper lifting techniques and tools for heavy components.

3.2 General Installation Steps (Refer to specific manuals for details)

1. **Disassembly:** Carefully disassemble the existing worm gear speed reducer, noting the position and orientation of all components. Document the process with photos if necessary.
2. **Inspection:** Inspect all remaining components for wear, damage, or corrosion. Replace any worn parts not included in this kit as needed.
3. **Cleaning:** Thoroughly clean the gear housing and all reusable components to remove old lubricant, debris, and contaminants.
4. **Bearing Installation:** Install the new bearings from the kit, ensuring proper seating and alignment. Use appropriate

bearing installation tools to avoid damage.

- 5. **Gear Installation:** Install the new worm gear and ring gear. Ensure correct mesh and backlash according to the manufacturer's specifications.
- 6. **Seal and Gasket Replacement:** Replace all seals and gaskets with new ones from the kit to prevent leaks.
- 7. **Reassembly:** Reassemble the gear reducer, tightening fasteners to the specified torque values.
- 8. **Lubrication:** Fill the gear reducer with the recommended type and quantity of lubricant.
- 9. **Testing:** Perform initial run-in and testing according to manufacturer guidelines before placing the unit back into full service.

4. OPERATION

Once the gear set rebuild kit is installed and the speed reducer is reassembled, proper operation is key to its longevity. Always operate the unit within its specified load, speed, and temperature limits.

- **Initial Run-in:** Follow the manufacturer's recommendations for an initial run-in period, typically at reduced load, to allow components to seat properly.
- **Monitoring:** Regularly monitor the gear reducer for unusual noises, vibrations, or excessive heat during operation.
- **Load Management:** Avoid overloading the unit beyond its rated capacity, as this can lead to premature wear and failure.

5. MAINTENANCE

Regular maintenance is crucial for the optimal performance and extended lifespan of your worm gear speed reducer.

5.1 Lubrication

- **Lubricant Type:** Use only the type of lubricant specified by the gear reducer manufacturer.
- **Lubricant Level:** Check the lubricant level regularly and maintain it within the recommended range.
- **Lubricant Change:** Replace the lubricant at intervals recommended by the manufacturer, or more frequently under severe operating conditions.

5.2 Inspection

- **Visual Checks:** Periodically inspect the gear reducer for external leaks, loose fasteners, or signs of damage.
- **Noise and Vibration:** Listen for any abnormal noises or feel for excessive vibrations, which may indicate internal issues.
- **Temperature:** Monitor the operating temperature. Excessive heat can be a sign of lubrication issues or overloading.

6. TROUBLESHOOTING

This section outlines common issues and potential solutions for worm gear speed reducers. Always refer to the original equipment manufacturer's troubleshooting guide for comprehensive assistance.

Problem	Possible Cause	Solution
Excessive Noise	Insufficient lubrication, worn bearings, misaligned gears, incorrect backlash.	Check lubricant level and type. Inspect bearings and gears for wear. Verify gear alignment and backlash.

Problem	Possible Cause	Solution
Overheating	Incorrect lubricant, insufficient lubricant, overloading, restricted ventilation.	Ensure correct lubricant. Check lubricant level. Reduce load. Clear ventilation paths.
Oil Leakage	Damaged seals or gaskets, loose fasteners, excessive internal pressure.	Replace seals and gaskets. Tighten fasteners. Check breather for blockage.
Reduced Efficiency	Worn gears, improper lubrication, excessive load.	Inspect gears for wear. Verify lubricant type and level. Ensure operation within rated load.

7. SPECIFICATIONS

The Visteon MSHV35A688-7B Gear Set Rebuild Kit is designed for specific applications. Key specifications related to the product are:

- **Part Number:** MSHV35A688-7B
- **Manufacturer:** Visteon Corp
- **Item Package Quantity:** 1
- **Compatible Bearing Kit:** BK426539 (Boston Gear 426 539)
- **Compatible Speed Reducer:** Boston Gear 57746 Worm Gear Speed Reducer

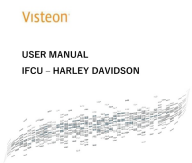
8. WARRANTY AND SUPPORT



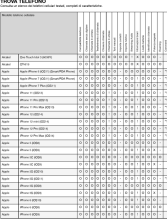


For warranty information regarding the Visteon MSHV35A688-7B Gear Set Rebuild Kit, please refer to the terms and conditions provided by your original point of purchase or contact Visteon Corp directly. Specific warranty details are typically dependent on the seller and region.

For technical support or further inquiries, please contact the manufacturer or your authorized distributor. Always provide the model number (MSHV35A688-7B) and any relevant serial numbers when seeking assistance.



Related Documents - MSHV35A688-7B

	<p>Visteon IFCU Infotainment Control Unit User Manual for Harley Davidson</p> <p>Comprehensive user manual for the Visteon Infotainment Front Control Unit (IFCU) designed for Harley Davidson motorcycles. Covers installation, Bluetooth and WiFi configuration, system interaction, and compliance information.</p>
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	<p>Visteon SLA8 Sense Line Assembly Technical Overview</p> <p>Learn about the Visteon SLA8 Sense Line Assembly, an electronic module for monitoring battery cell voltages and temperatures, featuring wireless communication and cell balancing capabilities.</p>
	<p>Regio Infotainment System User Manual</p> <p>User manual for the Regio Infotainment System, model VW MIB Regio, by Visteon Corporation. This guide covers Bluetooth pairing and usage, Wi-Fi connectivity, Android Auto and Apple CarPlay integration, and system settings.</p>
	<p>TROVA TELEFONO: Guida Compatibilità Cellulari con Sistemi Auto</p> <p>Elenco completo dei telefoni cellulari testati per compatibilità con sistemi auto, incluse funzionalità Bluetooth, chiamate e audio. Dettagli su modelli Apple, Samsung, Google, HTC e altri.</p>
	<p>Visteon Declarations of Conformity for RKE Transmitters</p> <p>This document contains Declarations of Conformity for Visteon Deutschland GmbH's RKE Transmitters, specifically the TXREL and Immobiliser System Transceiver models, adhering to the R&TTE Directive.</p>
	<p>Certifications and Declarations of Conformity for Automotive Electronic Components</p> <p>This document compiles Declarations of Conformity for various automotive electronic components, including RKE transmitters and receivers, adhering to European directives such as R&TTE. It details compliance with radio spectrum, electromagnetic compatibility, and safety requirements.</p>