

Dodge 117435

Dodge 117435 Drive Component Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Dodge 117435 Drive Component. Please read these instructions thoroughly before proceeding with any procedures to ensure proper function and longevity of the product.

2. PRODUCT OVERVIEW

The Dodge 117435 is a drive component, specifically a flexible coupling, designed for power transmission applications. It facilitates the connection of two shafts, accommodating minor misalignment and absorbing shock loads, thereby protecting connected equipment. This component is manufactured by Baldor Electric Company.



Figure 1: The Dodge 117435 drive component, a flexible coupling, shown with its accompanying hex-head bolts. This component is designed to connect shafts in power transmission systems.

3. SPECIFICATIONS

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|--------------|-------------------------|
| Manufacturer | Baldor Electric Company |
| Brand | Dodge |

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|--------------------------|-------------------|
| Model Number | 117435 |
| Item Weight | 22.1 pounds |
| Product Dimensions | 7 x 22 x 7 inches |
| Manufacturer Part Number | 117435 |
| ASIN | B00BC8EY10 |
| Date First Available | February 7, 2013 |

4. INSTALLATION

Proper installation is crucial for the performance and safety of the drive component. Always ensure power is disconnected and locked out before beginning installation.

- Safety First:** Ensure all safety protocols are followed. Wear appropriate personal protective equipment (PPE).
- Inspect Components:** Verify that all parts of the coupling are present and free from damage.
- Clean Shafts:** Clean the shaft ends thoroughly to remove any dirt, rust, or burrs.
- Mount Hubs:** Slide the coupling hubs onto the respective shafts. Ensure proper keyway alignment if applicable.
- Align Shafts:** Precisely align the shafts to minimize angular and parallel misalignment. Use appropriate alignment tools.
- Install Grid/Elastomer:** Insert the flexible grid or elastomer element into the coupling hubs.
- Secure Covers (if applicable):** Install any protective covers or guards according to manufacturer guidelines.
- Tighten Fasteners:** Secure all bolts and fasteners to the recommended torque specifications.
- Final Check:** Rotate the shafts manually to check for any binding or interference.

5. OPERATION

Once properly installed, the Dodge 117435 drive component operates passively, transmitting torque between connected shafts. It is designed to accommodate minor shaft misalignments and absorb operational shocks, contributing to the smooth running and extended life of the machinery. During operation, monitor for unusual noises, vibrations, or excessive heat, which may indicate a problem requiring immediate attention.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of the drive component.

- Periodic Inspection:** Regularly inspect the coupling for signs of wear, corrosion, cracks, or loose fasteners. The frequency of inspection should be based on operating conditions and environment.
- Lubrication:** If the coupling design requires lubrication (e.g., grid couplings), follow the manufacturer's recommendations for lubricant type and frequency.
- Cleaning:** Keep the coupling free from excessive dirt, dust, and debris, which can accelerate wear.

- **Fastener Torque Check:** Periodically re-check the torque of all mounting bolts and set screws.
- **Alignment Verification:** Re-verify shaft alignment periodically, especially if excessive vibration or wear is observed.

7. TROUBLESHOOTING

If issues arise, consider the following common troubleshooting steps:

- **Excessive Vibration:** Check for shaft misalignment, worn coupling elements, loose fasteners, or imbalance.
- **Unusual Noise:** Investigate for inadequate lubrication, worn components, or interference with guards.
- **Overheating:** Could indicate severe misalignment, insufficient lubrication, or excessive load.
- **Premature Wear:** Often caused by misalignment, improper lubrication, or operating beyond specified limits.



For persistent issues, consult a qualified technician or contact the manufacturer for support.

8. WARRANTY AND SUPPORT

The Dodge 117435 Drive Component is manufactured by Baldor Electric Company. For specific warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or contact Baldor Electric Company directly. Ensure you have your model number (117435) and purchase details available when seeking support.

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Related Documents - 117435

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