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Ford ZC-31-B

Genuine Ford Parts Metal Surface Cleaner (ZC-31-B) Instruction Manual

Model: ZC-31-B

1. Introduction

This instruction manual provides essential information for the safe and effective use of the Genuine Ford Parts Metal Surface Cleaner, model ZC-31-B. This product is specifically formulated to prepare metal surfaces, ensuring optimal conditions for subsequent applications such as gasket installation. Adherence to these instructions will help maintain the integrity and performance of your Ford vehicle components.

2. Product Overview

The Ford ZC-31-B Metal Surface Cleaner is an authentic Ford product, manufactured to stringent Ford standards. It is designed for professional and DIY use to thoroughly clean and prepare metal surfaces, particularly for critical applications like engine block and head MLS gasket preparation. Using genuine Ford parts ensures compatibility and performance consistent with original equipment specifications.



Image 1: Genuine Ford Parts Metal Surface Cleaner (ZC-31-B) container. This image shows the product packaging, typically a can or bottle, with Ford branding and product identification.

3. Safety Information

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in serious injury or property damage.

- **Ventilation:** Use in a well-ventilated area. Avoid breathing vapors.
- **Skin Contact:** Avoid prolonged or repeated skin contact. Wear protective gloves (e.g., nitrile or neoprene) when handling. If contact occurs, wash thoroughly with soap and water.
- **Eye Contact:** Avoid eye contact. Wear safety glasses or goggles. In case of contact, flush eyes immediately with plenty of water for at least 15 minutes and seek medical attention.
- **Ingestion:** Do not ingest. If swallowed, do not induce vomiting. Call a poison control center or doctor immediately.
- **Flammability:** This product may be flammable. Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
- **Storage:** Store in a cool, dry place, away from direct sunlight and incompatible materials. Keep container tightly closed when not in use.
- **Disposal:** Dispose of contents and container in accordance with local, regional, national, and international regulations.
- **Keep Out of Reach of Children:** This product is not intended for use by children.

4. Setup and Preparation

1. **Gather Materials:** Ensure you have the Ford ZC-31-B cleaner, appropriate personal protective equipment (PPE) including safety glasses and chemical-resistant gloves, clean lint-free cloths or wipes, and a waste container for used materials.
2. **Ventilate Area:** Work in a well-ventilated area, preferably outdoors or in a garage with open doors/windows.
3. **Surface Preparation:** The metal surface to be cleaned should be free of gross contaminants such as heavy grease, oil, or debris. If necessary, pre-clean with a general-purpose degreaser and rinse thoroughly, allowing the surface to dry completely before applying the ZC-31-B cleaner.
4. **Shake Container:** Gently shake the cleaner container before use to ensure proper mixing of components.

5. Operating Instructions

Follow these steps for effective metal surface cleaning:

1. **Apply Cleaner:** Apply a small amount of Ford ZC-31-B cleaner directly onto a clean, lint-free cloth or wipe. Alternatively, for larger surfaces, you may spray or pour a small amount directly onto the metal surface, ensuring not to over-saturate.
2. **Wipe Surface:** Using the saturated cloth, wipe the metal surface thoroughly. Apply moderate pressure to remove any residues, oils, or fine particles.
3. **Allow to Evaporate:** The cleaner is designed to evaporate quickly, leaving a clean, dry surface. Allow sufficient time for complete evaporation. Do not wipe dry with a separate cloth unless specified by a particular repair procedure, as this may reintroduce contaminants.
4. **Repeat if Necessary:** For heavily contaminated surfaces, a second application may be necessary. Use a fresh, clean cloth for each subsequent application.
5. **Inspect Surface:** Visually inspect the cleaned metal surface to ensure it is free of any visible contaminants, streaks, or residues. The surface should appear uniformly clean and dry.

Note: This cleaner is often recommended for preparing surfaces before installing Multi-Layer Steel (MLS) gaskets to ensure proper sealing and prevent leaks.

6. Storage and Maintenance

- **Storage:** Store the Ford ZC-31-B cleaner in its original container, tightly sealed, in a cool, dry, and well-ventilated area. Keep away from direct sunlight, heat sources, and incompatible materials.
- **Temperature:** Avoid extreme temperatures. Do not store above 120°F (49°C) or below 32°F (0°C).
- **Shelf Life:** Refer to the product label for specific shelf life information. Ensure the product is used within its recommended period for optimal performance.
- **Container Integrity:** Regularly check the container for any signs of damage or leakage. Replace or transfer to an appropriate container if necessary, following safety guidelines.

7. Troubleshooting

Issue	Possible Cause	Solution
Surface not clean after application	Heavy contamination; insufficient application; contaminated cloth.	Pre-clean surface if heavily soiled. Apply more cleaner with a fresh, lint-free cloth. Repeat application if necessary.
Slow evaporation	Poor ventilation; excessive application.	Ensure adequate ventilation. Apply a thinner layer of cleaner.
Skin irritation	Direct skin contact; lack of PPE.	Wash affected area immediately with soap and water. Wear protective gloves during use. Seek medical attention if irritation persists.

8. Specifications

Brand: Ford

Model: ZC-31-B

Item Weight: Approximately 2.7 pounds

Product Dimensions: Approximately 4.8 x 3.8 x 3.4 inches

Manufacturer Part Number: ZC-31-B

OEM Part Number: ZC31B

Primary Use: Metal Surface Cleaner, Gasket Preparation

9. Warranty and Support

As a Genuine Ford Part, this product is covered by Ford's standard warranty for original equipment parts. For specific warranty details, please refer to your vehicle's warranty information or contact an authorized Ford dealership.
For technical support, product inquiries, or safety data sheets (SDS), please contact your local authorized Ford service center or visit the official Ford Parts website. Always ensure you are using genuine Ford parts for optimal performance and safety.
Official Ford Website: www.ford.com/parts

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