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› Dorman 820-105 Hood Latch Assembly User Manual

Dorman 820-105

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INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Dorman 820-105 Hood Latch Assembly. This component is designed as a direct replacement for the original equipment hood latch in compatible Ford models, ensuring proper fit and reliable function. It is constructed for durability, resisting moisture, salt, and temperature extremes.

SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow safety precautions can result in injury or damage to the vehicle.

- Ensure the vehicle is parked on a level surface with the parking brake engaged.
- Turn off the engine and remove the key from the ignition.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- If you are unsure about any step, consult a qualified automotive technician.
- Keep small parts away from children.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Dorman 820-105 Hood Latch Assembly

COMPATIBILITY

The Dorman 820-105 Hood Latch Assembly is compatible with select Ford models. To confirm fitment for your specific vehicle, it is recommended to use a vehicle fitment tool or cross-reference with the OEM part number CK4Z16700A.

Known Compatible Vehicles:

- Ford Transit-150: 2015

- Ford Transit-250: 2015
- Ford Transit-350 HD: 2015
- Ford Transit-350: 2015

SETUP AND INSTALLATION

This hood latch assembly is designed for direct replacement and typically requires no special tools for installation. However, basic automotive tools may be necessary for removing the old component and securing the new one. Always refer to your vehicle's service manual for specific instructions regarding hood latch replacement.

General Installation Steps:

1. **Prepare the Vehicle:** Ensure the vehicle is off and the hood is securely propped open. Disconnect the negative terminal of the vehicle's battery if instructed by your vehicle's service manual.
2. **Locate and Remove Old Latch:** Identify the existing hood latch assembly. Carefully disconnect any cables or electrical connectors attached to the old latch. Unbolt the old latch from its mounting points.
3. **Install New Latch:** Position the Dorman 820-105 Hood Latch Assembly in the mounting location. Secure it with the appropriate bolts, ensuring they are tightened to the manufacturer's specifications.
4. **Connect Cables/Connectors:** Reattach any hood release cables and electrical connectors to the new latch. Ensure cables are routed correctly and have proper tension.
5. **Test Functionality:** Before fully closing the hood, manually operate the latch mechanism to ensure smooth movement. With the hood partially open, test the hood release lever from inside the vehicle to confirm it operates the latch correctly.
6. **Final Check:** Gently lower the hood until it latches. Then, attempt to open it using the interior release. Ensure the hood latches securely and releases properly. If the battery was disconnected, reconnect it.



Figure 1: Angled view of the Dorman 820-105 Hood Latch Assembly, showing the main body and the yellow release lever.

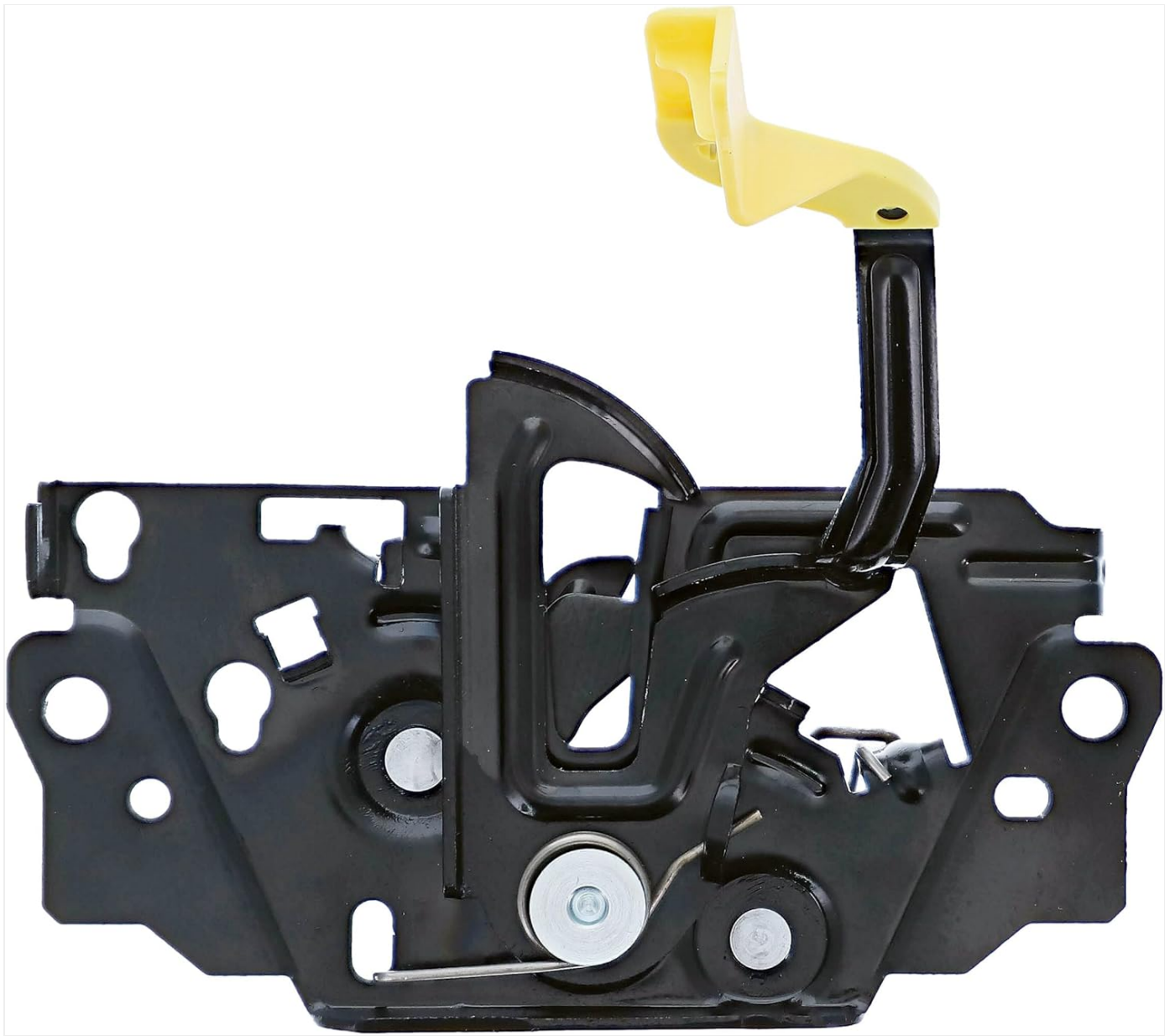


Figure 2: Front view of the Dorman 820-105 Hood Latch Assembly, highlighting the latching mechanism.



Figure 3: Rear view of the Dorman 820-105 Hood Latch Assembly, showing the spring and mounting points.



Figure 4: Side view of the Dorman 820-105 Hood Latch Assembly, illustrating its profile and the yellow release handle.

OPERATING INSTRUCTIONS

Once installed, the Dorman 820-105 Hood Latch Assembly operates identically to the original equipment. To open the hood:

1. Locate the hood release lever inside the vehicle (typically on the driver's side, near the kick panel).
2. Pull the lever firmly to release the primary hood latch. You should hear a click and the hood will pop up slightly.
3. Go to the front of the vehicle and locate the secondary safety latch, usually accessible through a gap in the hood or grille.
4. Push or pull the secondary latch mechanism (often a small lever or tab) to fully release the hood.
5. Lift the hood and secure it with the hood prop rod, if applicable.

To close the hood, lower it gently until it is about 12-18 inches above the closed position, then release it to allow its weight to engage the latch mechanism. Ensure the hood is fully closed and latched before driving.

MAINTENANCE

The Dorman 820-105 Hood Latch Assembly is designed for long-term, reliable performance with minimal maintenance. However, periodic inspection and lubrication can extend its lifespan and ensure smooth operation.

- **Inspection:** Periodically check the latch mechanism for any signs of wear, corrosion, or damage. Ensure all mounting bolts are secure.
- **Lubrication:** Apply a small amount of automotive-grade grease or silicone spray to the moving parts of the latch

mechanism (pivots, springs, and striker plate) every 6-12 months, or as needed, to prevent sticking and ensure smooth operation.

- **Cleaning:** Keep the latch area free from dirt, debris, and excessive moisture.

TROUBLESHOOTING

If you encounter issues with your hood latch assembly, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Hood does not open when release lever is pulled.	<ul style="list-style-type: none">◦ Cable disconnected or broken.◦ Latch mechanism seized or obstructed.	<ul style="list-style-type: none">◦ Inspect the hood release cable for proper connection and integrity.◦ Lubricate the latch mechanism. Clear any obstructions.
Hood does not latch securely.	<ul style="list-style-type: none">◦ Latch mechanism obstructed.◦ Striker plate misaligned.◦ Latch mechanism damaged.	<ul style="list-style-type: none">◦ Clear any debris from the latch.◦ Adjust the striker plate position (refer to vehicle service manual).◦ Inspect for damage; replace if necessary.
Hood is difficult to open or close.	<ul style="list-style-type: none">◦ Lack of lubrication.◦ Minor misalignment.	<ul style="list-style-type: none">◦ Lubricate all moving parts of the latch.◦ Check for minor adjustments to the latch or striker plate.

If these steps do not resolve the issue, it is recommended to consult a professional automotive technician.

SPECIFICATIONS

- **Part Number:** 820-105
- **Brand:** Dorman
- **OEM Part Number:** CK4Z16700A
- **Item Weight:** 14.6 ounces
- **Product Dimensions:** 7.12 x 6.12 x 3.75 inches
- **Material:** Durable construction (designed to endure moisture, salt, and temperature extremes)
- **Exterior Finish:** Ready To Paint If Needed

WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Dorman 820-105 Hood Latch Assembly, please contact Dorman Products directly through their official website or customer service channels. Keep your purchase receipt for warranty claims.

Dorman Products Official Website: www.dormanproducts.com

