

Ford XL-3

Ford Genuine XL-3 Friction Modifier Additive - 4 oz. Instruction Manual

INTRODUCTION

The Ford Genuine XL-3 Friction Modifier Additive is specifically formulated for use in certain limited-slip differentials. Its primary purpose is to reduce common issues such as chatter and hypoid gear noise, thereby contributing to the smoother and more efficient operation of the differential system.

SAFETY INFORMATION

CAUTION: This product may cause irritation to the skin, eyes, and respiratory system. It can be harmful if ingested. Always read the complete information on the product label and consult the Material Safety Data Sheet (MSDS) for comprehensive safety guidelines.

- **Keep out of reach of children.**
- **First Aid Measures:**
 - **Skin Contact:** Wash affected area thoroughly with soap and water.
 - **Eye Contact:** Flush eyes with copious amounts of water for several minutes.
 - **Inhalation:** Move to an area with fresh air.
 - **If Swallowed:** Do not induce vomiting. Seek immediate medical attention.

Ensure adequate ventilation when handling this product. Avoid prolonged skin contact and direct inhalation of vapors.

SETUP AND PREPARATION

Before applying the friction modifier, verify that your vehicle's differential fluid level is correct and that the differential is at an appropriate operating temperature. Consult your vehicle's owner's manual for specific recommendations. This additive is typically used during a differential fluid change or to address existing noise issues.

1. **Consult Owner's Manual:** Always refer to your vehicle's owner's manual or service guide for precise instructions regarding differential fluid type, capacity, and any specific additive requirements.

2. **Gather Tools:** You may require a fluid pump or a large syringe for convenient application, especially if adding the modifier to an already filled differential.
3. **Safety Precautions:** Wear appropriate personal protective equipment, including chemical-resistant gloves and eye protection, to prevent skin and eye contact.

OPERATING INSTRUCTIONS

The Ford Genuine XL-3 Friction Modifier Additive is designed for direct addition into the differential fluid.

1. **Determine Quantity:** Follow the recommendations in your vehicle's owner's manual for the precise amount of friction modifier required. A common dosage is one 4 oz. bottle per differential fluid change for compatible limited-slip differentials.
2. **Access Fill Port:** Locate the differential fill plug. Thoroughly clean the area around the plug to prevent any contaminants from entering the differential system.
3. **Add Additive:** Using the tapered neck applicator provided on the bottle or a suitable fluid pump, carefully dispense the entire contents of the 4 oz. bottle into the differential fill port.
4. **Top Off Fluid (if necessary):** If you are performing a complete fluid change, ensure the differential is filled to the correct level with the manufacturer-recommended gear oil after adding the friction modifier.
5. **Secure Fill Plug:** Reinstall and securely tighten the differential fill plug to the torque specifications provided by the manufacturer.
6. **Test Drive:** After adding the additive, operate the vehicle for a short period, including making several turns, to allow the additive to fully circulate and integrate with the differential fluid. This process aids in effectively reducing chatter.

MAINTENANCE

Adhering to regular differential fluid changes, as specified by your vehicle manufacturer, is essential for maintaining the longevity and optimal performance of your limited-slip differential. The Ford Genuine XL-3 Friction Modifier Additive should be included with each differential fluid change if your vehicle's specifications require it.

- **Fluid Change Intervals:** Strictly follow the differential fluid change intervals outlined in your vehicle's owner's manual.
- **Inspection:** Periodically inspect the differential for any signs of leaks or unusual operating noises.

TROUBLESHOOTING

If you encounter issues after adding the friction modifier, consider the following diagnostic steps:

- **Persistent Chatter or Noise:**
 - Confirm that the correct amount of additive was used according to manufacturer specifications.
 - Verify that the differential fluid type is compatible with both your limited-slip differential and the additive.
 - Allow sufficient time and driving cycles for the additive to fully integrate and take effect.
 - If chatter or noise persists, it may indicate underlying mechanical issues within the differential that require professional diagnosis and repair by a qualified automotive technician.

- **Leakage:** Inspect the differential fill plug to ensure it is properly seated and torqued. Examine the differential housing for any new signs of fluid leakage.

SPECIFICATIONS

| Attribute | Detail |
|--------------------------|---------------------------|
| Brand | Ford |
| Model | XL-3 |
| Item Weight | 4 ounces (approx. 118 mL) |
| Manufacturer Part Number | XL-3 |
| OEM Part Number | 0, XL-3, XL3 |
| ASIN | B000NU5LP6 |
| Date First Available | March 4, 2011 |

PRODUCT IMAGES



Front view of the Ford Genuine XL-3 Friction Modifier Additive bottle. The label clearly displays "Motorcraft Additive Friction Modifier" and the volume "4 FL. OZ. (118 mL)". The bottle features a black cap and a white body with a distinctive red and black label design.



Back view of the additive bottle, showing detailed safety warnings, first aid instructions, and general usage recommendations. A barcode (UPC: 0031508381513) is visible at the bottom of the label, indicating product identification.

WARRANTY AND SUPPORT

Specific warranty information for the Ford Genuine XL-3 Friction Modifier Additive is not detailed within this manual. For comprehensive details regarding product warranty or technical support, please refer to the official Ford or Motorcraft website, or contact an authorized Ford dealership directly.

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