

Dorman FT20486

Dorman Fabtech Motorsports FT20486 Diff Drop Bracket Rear User Manual

MODEL: FT20486



This image displays the official Fabtech Motorsports logo, representing the brand of the diff drop bracket.

Introduction

This manual provides comprehensive instructions for the installation, usage, maintenance, and troubleshooting of the Dorman Fabtech Motorsports FT20486 Diff Drop Bracket Rear. Please read this manual thoroughly before proceeding with any installation or maintenance to ensure proper function and safety.

The FT20486 Diff Drop Bracket is designed to correct driveline angles on lifted vehicles, reducing stress on CV joints and extending their lifespan. Proper installation is crucial for optimal performance and vehicle safety.

1. Safety Information

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working on your vehicle.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work. Never rely solely on a jack.
- Disconnect the vehicle's battery before performing any electrical work.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- If you are unsure about any step, consult a qualified automotive technician.
- Keep children and pets away from the work area.

2. Installation Guide

The installation of the FT20486 Diff Drop Bracket requires mechanical aptitude and specific tools. If you are

not comfortable performing this installation, it is recommended to seek professional assistance.

**NO
IMAGE
AVAILABLE**

This image is a placeholder for a detailed view of the Fabtech Motorsports FT20486 Diff Drop Bracket Rear, showing its overall design and components.

2.1 Required Tools

- Vehicle lift or jack stands
- Floor jack
- Metric and standard socket/wrench set
- Torque wrench
- Pry bar (optional, for alignment)
- Thread locker (medium strength)

2.2 Pre-Installation Checks

1. Verify that all components of the FT20486 kit are present and undamaged.
2. Inspect the vehicle's differential mounting points and surrounding components for any existing damage or corrosion.
3. Ensure the vehicle is on a level surface and properly secured.

NO IMAGE AVAILABLE

This image is a placeholder for a view of the individual components included with the Fabtech Motorsports FT20486 Diff Drop Bracket Rear kit.

2.3 Installation Steps

1. **Prepare Vehicle:** Lift the vehicle and secure it on jack stands or a lift. Ensure the rear axle is supported.
2. **Locate Differential Mounts:** Identify the factory differential mounting bolts that will be replaced or extended by the drop bracket.
3. **Remove Factory Hardware:** Carefully remove the specified factory bolts securing the differential. Support the differential to prevent it from dropping excessively.
4. **Install Drop Bracket:** Position the FT20486 Diff Drop Bracket according to the vehicle-specific instructions (not provided in this general manual). Align the bracket with the differential and chassis mounting points.
5. **Secure Bracket:** Install the new, longer hardware provided with the kit through the bracket and into the differential and chassis. Apply a medium-strength thread locker to all bolt threads.
6. **Torque Bolts:** Tighten all bolts to the manufacturer's specified torque settings. Refer to your vehicle's service manual or the bracket kit's specific instructions for precise values.
7. **Verify Clearance:** Ensure there is adequate clearance around the differential and bracket for all suspension and driveline components throughout the full range of suspension travel.
8. **Lower Vehicle:** Carefully lower the vehicle to the ground.

2.4 Post-Installation Checks

- Double-check all fasteners for proper torque.
- Perform a visual inspection for any signs of interference or improper alignment.
- Take the vehicle for a short, cautious test drive, listening for any unusual noises or vibrations.
- After approximately 50-100 miles, re-check all fasteners for tightness.

3. Usage Guidelines

The FT20486 Diff Drop Bracket is a static component designed to optimize driveline angles. Its 'operation' is passive, ensuring correct geometry for your vehicle's lifted suspension.

3.1 Post-Installation Driving

- During the first few drives, pay attention to any new noises, vibrations, or changes in handling.
- Avoid aggressive driving immediately after installation to allow components to settle.

3.2 General Considerations

- The diff drop bracket helps maintain proper driveline angles, which is especially important for vehicles with suspension lifts.
- Continue to follow all recommended vehicle maintenance schedules.

4. Maintenance

Regular inspection and maintenance will ensure the longevity and safe operation of your FT20486 Diff Drop Bracket.

4.1 Regular Inspections

- At every oil change or during routine vehicle inspections, visually check the diff drop bracket for any signs of damage, cracks, or corrosion.
- Inspect all mounting bolts for tightness. Re-torque any loose fasteners to the specified values.
- Check for any signs of contact between the bracket and other vehicle components.

4.2 Cleaning

Clean the bracket as needed to remove dirt, mud, or road salt, which can contribute to corrosion. Use mild soap and water, then rinse thoroughly.

5. Troubleshooting

If you experience issues after installing the diff drop bracket, refer to the following common problems and solutions.

5.1 Common Issues and Solutions

- **Unusual Noises (e.g., clunking, grinding):**
 - *Cause:* Loose fasteners, interference with other components, or incorrect installation.
 - *Solution:* Re-check all mounting bolts for proper torque. Inspect for contact points between the bracket and chassis/driveline. Ensure no components are binding.
- **Vibrations:**
 - *Cause:* Driveline angle issues, loose components, or unbalanced driveline.
 - *Solution:* While the diff drop bracket is designed to correct angles, severe lifts may require additional driveline modifications. Re-check all fasteners. If vibrations persist, consult a professional.
- **Visible Damage to Bracket:**
 - *Cause:* Impact from road debris, off-road use, or improper installation stress.
 - *Solution:* If the bracket is bent, cracked, or severely damaged, it must be replaced immediately to prevent further vehicle damage or failure.

For issues not covered here, or if problems persist, it is recommended to contact a certified automotive technician or the manufacturer for further assistance.

6. Product Specifications

Brand:	Dorman
Model:	FT20486
Item Weight:	1 pounds
Package Dimensions:	10 x 10 x 1 inches
ASIN:	B0CLJMJ666
Date First Available:	September 25, 2013

7. Warranty and Support

Specific warranty information for the Dorman Fabtech Motorsports FT20486 Diff Drop Bracket Rear is not available in the provided product data. For details regarding warranty coverage, claims, or technical support, please contact Dorman or Fabtech Motorsports directly through their official websites or customer service channels.
