INJORA TRX4M

INJORA Brass Diff Cover and Steering Link Kit for TRX4M 1/18 RC Crawler

Instruction Manual

1. Introduction

This instruction manual provides detailed information for the installation and use of the INJORA Brass Diff Cover and Steering Link Kit, designed specifically for the TRX4M 1/18 RC Crawler. This upgrade kit is engineered to enhance the performance and durability of your RC vehicle by replacing original plastic components with high-quality brass parts. The kit includes:

- 1 x Black Coated Brass Steering Link
- 2 x Black Coated Brass Axle Diff Covers



Figure 1.1: Overview of the INJORA Brass Diff Cover and Steering Link Kit components.

2. Setup and Installation

The INJORA Brass Diff Cover and Steering Link Kit is designed for easy installation, replacing the original plastic parts on your TRX4M 1/18 RC Crawler. Basic tools such as a small screwdriver set may be required.

2.1. Steering Link Installation

1. Carefully remove the existing plastic steering link from your TRX4M RC Crawler. Note the orientation and connection points.
2. Align the new INJORA brass steering link with the mounting points.
3. Secure the brass steering link using the provided screws or the original hardware, ensuring a snug fit without overtightening.



Figure 2.1: The brass steering link installed on a TRX4M chassis, showing its position relative to the front axle and servo.



Figure 2.2: Close-up of the brass steering link, indicating its approximate length of 76mm (2.99 inches).

2.2. Diff Cover Installation

1. Locate the differential covers on the front and rear axles of your TRX4M.
2. Carefully remove the screws holding the original plastic diff covers in place.
3. Remove the plastic diff covers.
4. Position the new INJORA brass diff covers, ensuring proper alignment with the differential housing.
5. Secure the brass diff covers using the provided screws. Do not overtighten, as this may strip the threads.



Figure 2.3: The brass diff cover installed on the rear axle of a TRX4M, showing its integration with the axle housing.



Figure 2.4: A pair of INJORA brass diff covers, with one cover flipped to show the internal mounting points and brass construction.

3. Operating Benefits

The installation of the INJORA Brass Diff Cover and Steering Link Kit provides several operational benefits for your TRX4M 1/18 RC Crawler:

- **Improved Stability:** The added weight of the brass components, particularly the diff covers, helps to lower and centralize the vehicle's center of gravity. This results in increased stability, especially during crawling over uneven terrain.
- **Enhanced Durability:** Brass is significantly more robust than the original plastic parts, offering superior protection for the differential and steering mechanisms against impacts and wear.
- **Corrosion Resistance:** The hard black coating on the brass parts not only adds an aesthetic touch but also provides an additional layer of protection against corrosion, extending the lifespan of the components.
- **Precision Fitment:** CNC machining ensures that these upgrade parts fit precisely, maintaining the optimal geometry and function of your RC crawler.

4. Maintenance

To ensure the longevity and optimal performance of your INJORA brass upgrade parts, regular maintenance is recommended:

- **Cleaning:** After use, especially in dirty or wet conditions, clean the brass components with a soft brush or cloth to remove dirt, mud, and debris. A mild soap solution can be used if necessary, followed by thorough drying.

- **Inspection:** Periodically inspect the steering link and diff covers for any signs of wear, damage, or loose screws. Tighten any loose fasteners to prevent component failure.
- **Lubrication:** While the brass parts themselves do not require lubrication, ensure that any moving parts connected to them (e.g., steering linkages, differential gears) are properly lubricated according to your RC crawler's manufacturer guidelines.
- **Corrosion Check:** Although coated for corrosion resistance, regularly check for any signs of coating damage or brass oxidation, especially if exposed to harsh chemicals or saltwater.

5. Troubleshooting

This section addresses common issues that may arise during or after the installation of the INJORA Brass Diff Cover and Steering Link Kit.

Problem	Possible Cause	Solution
Loose steering or wobbly wheels after installation.	Screws on the steering link are not tightened sufficiently.	Check and gently tighten all screws connecting the steering link to the servo and wheel hubs. Do not overtighten.
Difficulty fitting diff covers.	Misalignment or debris in mounting holes.	Ensure the diff cover is perfectly aligned with the axle housing. Clear any debris from the screw holes. Do not force the cover.
Unusual noise from differential area.	Internal differential issue, not related to the cover itself.	Remove the diff cover and inspect the differential gears for damage or misalignment. Refer to your TRX4M manual for differential maintenance.

If you encounter issues not listed here, please consult the official TRX4M user manual or contact INJORA customer support.

6. Specifications

Key specifications for the INJORA Brass Diff Cover and Steering Link Kit:

- **Material:** Brass (with black hard coating)
- **Compatibility:** Designed for TRX4M 1/18 RC Crawler
- **Package Dimensions:** Approximately 13.31 x 9.7 x 1.19 cm (5.24 x 3.82 x 0.47 inches)
- **Item Weight:** Approximately 41 grams (1.45 ounces)
- **Manufacturing Process:** CNC Machined
- **ASIN:** B0BXST2DDX
- **Release Date on Amazon.com.be:** May 11, 2023

7. Warranty and Support

Specific warranty information for the INJORA Brass Diff Cover and Steering Link Kit is not provided in this manual. For details regarding warranty coverage, returns, or technical support, please refer to the product listing on Amazon or visit the official INJORA website. It is recommended to retain your proof of purchase for any warranty claims.
For direct support, you may contact the seller "INJORA official direct" through the Amazon platform.

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