

Earthtec TCR343

Earthtec TCR343 Tire Machine Duck Head Instruction Manual

Model: TCR343

Introduction	Product Overview	Specifications	Compatibility	Setup & Installation	Operation
	Maintenance	Troubleshooting	Warranty & Support		

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Earthtec TCR343 Tire Machine Duck Head. Designed as a replacement component for various tire changers, this duck head facilitates efficient and safe tire mounting and demounting processes while protecting wheel rims from damage. Please read this manual thoroughly before use to ensure proper function and longevity of the product.

2. PRODUCT OVERVIEW

The Earthtec TCR343 Tire Machine Duck Head is a durable, red nylon mount/demount head engineered for tire changing machines. Its design prioritizes ease of use and protection for delicate and expensive wheels.

Key Features:

- **Durable Construction:** Made from high-quality plastic material to ensure longevity and resistance to wear.
- **Rim Protection:** Eliminates metal-to-metal contact, safeguarding wheel rims from scratches and damage during tire changes.
- **Efficient Design:** Features a smooth, winged surface for quick and easy tire mounting and demounting.
- **Easy Installation:** Designed for straightforward attachment to compatible tire changer bars.



Image 1: Three Earthtec TCR343 Tire Machine Duck Heads. These are the primary components for tire mounting and demounting.

Product Features:



**Perfect fit
Easy to replace**



**Quality
materials**



**Sturdy
and durable**



Image 2: Graphic illustrating key product features such as perfect fit, quality materials, and sturdy, durable construction.

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Video 1: An overview of the TCR343 Duck Head tire changer, showcasing its design and features.

3. SPECIFICATIONS

Brand	Earthtec
Model	TCR343
Item Weight	1.23 pounds
Package Dimensions	10.12 x 6.93 x 3.54 inches
Material	Durable Plastic (Nylon)

Color

Red

Product size



Image 3: Diagram illustrating the dimensions of the Earthtec TCR343 Tire Machine Duck Head.

4. COMPATIBILITY

The Earthtec TCR343 nylon mount/demount head is compatible with a wide range of Hunter Tire Changer models and other manual tire changers. Refer to the list below to confirm compatibility with your equipment:

- Hunter Tire Changer models: TC 250, TC 300, TC 325, TC 350, TC 2000, TC 3250, TC 3300, TC 3305, TC 3315, TC 3500, TC 3700, TC 3715, TC 3900.
- Replacement Part Numbers: 221-675-2, 221-675-2-B, RP6-0343.
- Also compatible with certain manual Harbor Freight Tire Changers.



Compatible Models

TC250 TC300 TC325 TC350 TC2000 TC3250 TC3300
TC3305 TC3315 TC3500 TC3700 TC3715 TC3900

Image 4: Visual representation of the compatible tire changer models for the TCR343 duck head.

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Video 2: Demonstration of a Tire Changer Duck Head for Hunter Tire Changers #221-675-2, highlighting its fit and function.

5. SETUP & INSTALLATION

Installing the Earthtec TCR343 duck head is a straightforward process. Ensure your tire changer is powered off and secured before beginning installation.

Installation Steps:

- 1. Prepare the Tire Changer:** Ensure the existing mount/demount head is removed from the tire changer bar. Clean the mounting area if necessary.
- 2. Position the Duck Head:** Align the bolt holes on the Earthtec TCR343 duck head with the corresponding holes on the tire changer bar.
- 3. Secure the Duck Head:** Fasten the duck head to the bar using appropriate bolts (not included, typically reused from

the original head or supplied with the tire changer). Ensure the bolts are tightened securely to prevent movement during operation.

4. **Verify Stability:** Gently test the installed duck head to confirm it is firmly attached and does not wobble.



TCR343 Tire Change Duck Head Experience the joy of changing tires with ease by installing a plastic change duck head on your machine with its sleek design #221-675-2 and 221-675-2-B, RP6-0343

Image 5: The TCR343 Tire Change Duck Head shown installed on a tire machine, ready for use.

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Video 3: A demonstration of the TCR343 Tire Changer Machine Mount/Demount Head, illustrating its installation and function.

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Video 4: A visual guide to installing a nylon mounting/dismounting plastic duck head on a tire changer.

6. OPERATION

The Earthtec TCR343 duck head is designed to work with your tire changer's bar and center bar rotating mechanism around the rim. Always follow the safety guidelines provided with your specific tire changer machine.

General Operating Principles:

- **Mounting Tires:** Position the tire bead against the duck head. As the tire changer rotates, the smooth, winged design of the duck head will guide the tire bead over the rim, minimizing friction and preventing damage.
- **Demounting Tires:** Insert the duck head between the tire bead and the rim. Utilize the tire changer's rotation and the duck head's leverage to lift the tire bead off the rim. The plastic material ensures no metal-to-metal contact, protecting the wheel.
- **Smooth Gliding:** The material and design of the duck head allow for smooth gliding across the rim surface, making the process efficient.

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Video 5: A short video demonstrating the use of a tire machine duck head for both mounting and demounting tires.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Earthtec TCR343 Tire Machine Duck Head.

- **Cleaning:** After each use, wipe down the duck head to remove any tire lubricant, dirt, or debris. A mild soap and water solution can be used if necessary.
- **Inspection:** Periodically inspect the duck head for signs of wear, cracks, or damage. While made from durable plastic, excessive force or improper use can cause wear over time.
- **Replacement:** If significant wear or damage is observed, replace the duck head immediately to prevent potential damage to wheels or inefficient operation.
- **Storage:** Store the duck head in a clean, dry environment when not in use.

8. TROUBLESHOOTING

This section addresses common issues that may arise during the use of the Earthtec TCR343 Tire Machine Duck Head.

- **Duck Head Slides Off Rim:**
 - Ensure the duck head is securely fastened to the tire changer bar.
 - Verify that the tire changer's arm is properly positioned and locked.
 - Apply adequate tire lubricant to the tire bead and rim to reduce friction.
 - Check for excessive wear on the duck head; a worn head may not grip properly.
- **Difficulty Mounting/Demounting:**
 - Confirm sufficient tire lubricant is applied.
 - Ensure the tire changer's pressure and speed settings are appropriate for the tire type.
 - Inspect the duck head for any obstructions or damage that might impede smooth operation.
- **Scratches on Rim (despite using plastic head):**
 - Ensure the duck head is correctly installed and positioned.
 - Check for any foreign objects or debris trapped between the duck head and the rim.
 - Inspect the duck head for any sharp edges or defects that may have developed.

9. WHAT'S IN THE BOX

Your Earthtec TCR343 Tire Machine Duck Head package includes:

- Earthtec TCR343 Duck Head Tire Changer Duck Head (Quantity as purchased, e.g., 3 Pack)

Note: Mounting hardware (bolts) for attachment to your tire changer are typically not included and should be reused from your existing head or sourced separately if needed.

10. WARRANTY & SUPPORT

Earthtec is committed to providing high-quality products. For specific warranty information, please refer to the product packaging or contact Earthtec customer support directly. If you encounter any issues or have questions regarding your TCR343 Tire Machine Duck Head, please reach out to our support team for assistance.

Contact Information: Please visit the official Earthtec store on Amazon for the most up-to-date contact details and support resources: [Earthtec Amazon Store](#)