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› [DUYIWAA](#) /

› DUYIWAA 14-inch 90/100-14 Rear Wheel Rim and Tire Instruction Manual

DUYIWAA Rear Wheel Rim

DUYIWAA 14-inch 90/100-14 Rear Wheel Rim and Tire Instruction Manual

MODEL: REAR WHEEL RIM (AW7E)

For Dirt Bikes 125cc, 140cc, 150cc, 160cc

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your DUYIWAA 14-inch 90/100-14 Rear Wheel Rim and Tire. This product is designed for various dirt bike models, including 125cc, 140cc, 150cc, and 160cc engines, as well as CRF70, 90, 110, TTR100, 110, KLX65, 80, 90, 100, scooters, and electric scooters. Please read these instructions carefully before installation and use to ensure safety and optimal performance.



Figure 1: The DUYIWAA 14-inch rear wheel and tire assembly.

Important Safety Notice: Installation of this product requires specialized knowledge and tools. Professional installation is highly recommended to prevent damage to the product or injury. An installation manual for the vehicle itself is not included with this wheel and tire assembly.

SETUP AND INSTALLATION

The DUYIWAA 14-inch 90/100-14 Rear Wheel Rim and Tire is a direct replacement component. Ensure the vehicle is securely supported before beginning any work. Always refer to your dirt bike's specific service manual for detailed instructions on wheel removal and installation procedures.

Pre-Installation Checks:

- Verify that the axle hole diameter of your bike matches the 15mm diameter of this wheel.
- Confirm that the hub width and pitch-row dimensions are compatible with your bike's swingarm and brake system. Refer to the detailed dimension images below.
- Inspect the new wheel and tire for any shipping damage or manufacturing defects before installation.



Figure 2: Detailed dimensions of the rear wheel rim and tire. This image illustrates key measurements including a hub width of 137mm (5.39"), pitch-rows of 71mm (2.80") and 65mm (2.55"), an aperture of 15mm (0.59"), and tapped holes of M8 (0.31").



Figure 3: Close-up of the wheel hub, showing the 15mm axle hole and M8 tapped holes for mounting, along with pitch-row dimensions.

Tire height 535mm(21.06")



Tires width 103mm(4.05")

Figure 4: Side profile view of the tire, indicating a total tire height of 535mm (21.06") and a tire width of 103mm (4.05").

Installation Steps (General Guidance):

1. Safely lift and secure the rear of the dirt bike using a stand.
2. Remove the existing rear wheel according to your bike's service manual.
3. Install the new DUYIWAA rear wheel, ensuring proper alignment with the chain/sprocket and brake components.
4. Tighten all axle nuts and fasteners to the manufacturer's specified torque settings.
5. Check for proper chain tension and brake function after installation.

OPERATING GUIDELINES

Once installed, ensure the tire is properly inflated before riding. The tire is a 90/100-14 size, 49M Load Range B, Tube Type. The maximum inflation pressure is 27 P.S.I.

- **Tire Pressure:** Always check tire pressure before each ride. Maintain the recommended pressure of up to 27 P.S.I. for optimal performance and safety. Incorrect tire pressure can affect handling, traction, and tire longevity.
- **Break-in Period:** New tires may require a short break-in period. Ride cautiously for the first few miles to allow the tire surface to scuff in and provide full grip.
- **Terrain:** This tire is designed for off-road dirt bike use. Adjust your riding style and speed according to terrain conditions.



Figure 5: Front view of the DUYIWAA rear wheel and tire, highlighting the aggressive tread pattern suitable for dirt bike applications.

MAINTENANCE

Regular maintenance extends the life of your wheel and tire and ensures safe operation.

- **Tire Inspection:** Regularly inspect the tire for cuts, punctures, excessive wear, or embedded objects. Replace the tire if damage is significant or tread depth is insufficient.
- **Rim Inspection:** Check the rim for dents, cracks, or bends. Inspect spokes for proper tension and ensure none are loose or broken.
- **Hub and Bearings:** Periodically check the wheel hub for play and ensure bearings are smooth and free from grinding. Replace bearings if necessary.
- **Cleaning:** After riding in muddy or dirty conditions, clean the wheel and tire to prevent dirt buildup from affecting balance or causing corrosion.
- **Storage:** When storing the bike for extended periods, ensure the tires are properly inflated and ideally off the ground to prevent flat spots.





Figure 6: Close-up view of the tire's knobby tread pattern, designed for off-road traction.

TROUBLESHOOTING

This section addresses common issues you might encounter with your wheel and tire assembly.

- **Flat Tire:** If the tire goes flat, inspect for punctures. If a puncture is found, the tube will need to be repaired or replaced.
- **Wobbling Wheel:** A wobbling wheel can indicate loose spokes, a bent rim, or worn wheel bearings. Inspect these components and address as needed. Professional inspection is recommended for wheel truing or bearing replacement.
- **Loss of Air Pressure:** Besides punctures, slow leaks can be caused by a faulty valve stem or improper bead seating. Check these areas.

SPECIFICATIONS

Brand	DUYIWAA
Model	Rear Wheel Rim (AW7E)
Placement on Vehicle	Rear
Color	Black
Rear Tire Size	90/100-14
Rim Diameter	14 inches
Axle Hole Diameter	15mm (0.59 inches)
Hub Width	137mm (5.39 inches)
Pitch-row	71mm (2.80 inches) and 65mm (2.55 inches)
Tapped Hole	M8 (0.31 inches)
Tire Height	535mm (21.06 inches)
Tire Width	103mm (4.05 inches)
Load Range	49M Load Range B Tube Type
Max Inflation Pressure	27 P.S.I.
Fitment Type	Direct Replacement
Compatible Dirt Bikes	125cc, 140cc, 150cc, 160cc, CRF70, 90, 110, TTR100, 110, KLX65, 80, 90, 100, Scooters, Electric Scooters
UPC	796713786583

WARRANTY INFORMATION

Specific warranty details for this DUYIWAA product are not provided in this manual. Please refer to the retailer or manufacturer's official website for current warranty terms and conditions.

CUSTOMER SUPPORT

For technical assistance, questions regarding installation, or other product-related inquiries, please contact your point of purchase or refer to the DUYIWAA official support channels, if available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question