



RAIDER BICYCLE USER MANUAL V2.0

RIDE THE REBELLION

Introduction

Congratulations on your purchase of a RAIDER bicycle.

RAIDER bicycles are designed to provide dependable performance, durability and enjoyment when correctly assembled, maintained and used for their intended purpose.

This manual contains important information regarding safety, assembly, maintenance, correct use and warranty coverage. Please read this manual carefully before using your bicycle and retain it for future reference.

Specifications, components and features may differ between RAIDER models. Where information supplied by a component manufacturer or information marked directly on a component differs from the general information contained in this manual, the component manufacturer's specification takes precedence.

1. Safety Information

Cycling involves inherent risks. Proper assembly, regular inspection and responsible riding are essential for safe operation.

- Always wear a correctly fitted and certified cycling helmet.
- Check the brakes before every ride.
- Check that both wheels are correctly secured.
- Check tyre pressure and tyre condition before riding.
- Ensure the handlebars, stem, saddle and seat post are secure.
- Check the bicycle for loose, damaged or worn components.
- Ensure the drivetrain operates correctly before riding.
- Obey applicable traffic laws, regulations and trail rules.
- Never ride a bicycle with a known safety defect.
- Do not exceed the maximum permitted rider or system weight applicable to your bicycle.
- Children should ride under appropriate adult supervision.

WARNING

Incorrect assembly, adjustment or maintenance can result in component failure, loss of control, serious injury or death.

2. Initial Assembly and Authorised Distributor Requirement

RAIDER bicycles may be supplied partially assembled and require final assembly and adjustment before use.

IMPORTANT WARRANTY REQUIREMENT

Where a RAIDER bicycle is supplied partially assembled, its initial assembly and pre-delivery safety inspection must be performed by an authorised RAIDER distributor for the RAIDER warranty to apply.

The authorised distributor must ensure that the bicycle is correctly assembled, adjusted and inspected before being supplied to the rider.

Proof of purchase and proof of assembly by an authorised RAIDER distributor may be requested when submitting a warranty claim.

Assembly normally includes, where applicable:

1. Installing and securing the front wheel.
2. Installing and aligning the handlebars and stem.
3. Installing the pedals correctly.
4. Installing and adjusting the saddle and seat post.
5. Checking headset adjustment.
6. Checking crank and pedal security.
7. Adjusting the brakes.
8. Adjusting the gears and drivetrain.
9. Checking wheel security and alignment.
10. Checking tyre pressure.
11. Checking all safety-critical fasteners.
12. Conducting a final pre-delivery safety inspection.

The bicycle should not be ridden until this inspection has been completed.

3. Before Your First Ride

Before riding your RAIDER bicycle for the first time:

- Familiarise yourself with the operation of the brakes and gears.

- Confirm that the saddle is adjusted to a suitable height.
- Confirm that the handlebars and controls are correctly positioned.
- Ensure both wheels are securely fitted.
- Confirm that tyres are inflated within the pressure range specified by the tyre manufacturer.
- Test the brakes at low speed before normal riding.
- Where disc brakes are fitted, allow sufficient time for the brake pads and rotors to bed in.
- Check that there is no unusual movement, noise or looseness.

New bicycles may require minor adjustments after their first few rides as cables, spokes and other components settle.

A follow-up inspection by an authorised RAIDER distributor is recommended after the initial running-in period.

4. Bolt Tightness and Torque

Correct bolt tension is essential for safety.

Over-tightening can damage components or threads, while under-tightening can allow components to move or detach while riding.

The following values are general guidelines only.

Component	Typical Torque
Stem faceplate bolts	5–6 Nm
Handlebar clamp bolts	5–6 Nm
Stem steerer bolts	6–7 Nm
Seat post clamp	6–7 Nm
Crank arm bolts	40–45 Nm
Disc brake calliper bolts	6–8 Nm
Six-bolt brake rotor bolts	6 Nm
Rear derailleur mounting bolt	8–10 Nm
Pedals	35–40 Nm

IMPORTANT

If a component has a torque value printed on it, supplied with it or specified by its manufacturer, **that specification takes precedence over the general values contained in this manual.**

Use a calibrated torque wrench when tightening safety-critical components.

Fasteners should be checked after the bicycle's initial running-in period and periodically thereafter.

5. Maintenance Guide

Regular maintenance improves safety, performance and component life.

Maintenance intervals depend on riding frequency, weather, terrain, rider weight and operating conditions.

Bicycles ridden frequently or in wet, muddy, dusty, coastal or harsh environments require more frequent maintenance.

Before Every Ride

Check:

- Brake operation.
- Tyre pressure and tyre condition.
- Wheel security.
- Handlebar and stem security.
- Saddle and seat post security.
- Chain condition.
- Crank and pedal security.
- Steering movement.
- The bicycle for cracks, damage, loose parts or unusual movement.

Do not ride the bicycle if any safety-critical component is damaged or operating incorrectly.

After Wet, Muddy or Dusty Riding

- Clean the bicycle.
- Dry the drivetrain.
- Lubricate the chain with suitable bicycle chain lubricant.
- Clean suspension fork stanchions.
- Inspect brakes for contamination.
- Check for water, dirt or debris around moving components.

Monthly

Inspect:

- Brake pad wear.
- Brake cables or hydraulic hoses.

- Brake rotor condition.
- Gear adjustment.
- Chain wear.
- Cassette and chainring wear.
- Wheel alignment.
- Spoke tension.
- Headset play.
- Hub bearing play.
- Bottom bracket play.
- Pedals and crank set.
- All major fasteners.

Approximately Every 6 Months

Depending on use, the bicycle should receive a more comprehensive inspection including:

- Hub bearings.
- Headset.
- Bottom bracket.
- Drivetrain.
- Brake system.
- Wheels and spokes.
- Suspension components where fitted.

Annually

A comprehensive professional service is recommended at least once per year.

Bicycles used frequently, competitively or in harsh environments may require servicing substantially more often.

6. Suspension Fork Maintenance

Where your RAIDER bicycle is fitted with a suspension fork, regular cleaning and maintenance is important for safe and reliable operation.

Routine Fork Care

After riding:

- Wipe dirt, dust and moisture from the fork stanchions using a clean, soft cloth.

- Keep the area around the fork seals clean.
- Inspect the stanchions for scratches, corrosion or damage.
- Check for excessive play, unusual movement or unusual noises.
- Check for oil leakage.

Do not direct high-pressure water at fork seals or suspension components.

Do not use aggressive solvents, degreasers or unsuitable lubricants on the fork stanchions or seals.

Air Suspension Forks

Where an air fork is fitted:

- Maintain the correct air pressure for the rider and intended use.
- Do not exceed the fork manufacturer's maximum permitted pressure.
- Check air pressure periodically.
- A gradual reduction in pressure may indicate that servicing is required.

Fork Servicing

Suspension forks contain moving parts, seals and lubricants that require periodic maintenance.

Service requirements vary between fork models and manufacturers.

Where a specific service schedule is supplied by the fork manufacturer, that schedule must be followed.

More frequent servicing may be necessary when riding in:

- Mud.
- Dust.
- Sand.
- Wet conditions.
- Coastal environments.
- High-use conditions.

Stop using the bicycle and have the fork inspected if you notice:

- Excessive play.
- Significant oil leakage.
- Loss of damping.
- Repeated air-pressure loss.
- Unusual knocking or mechanical noise.
- Damaged or scratched stanchions.

- Damage to the fork crown, legs or steerer.

Damage resulting from inadequate maintenance, corrosion, contamination, incorrect adjustment or misuse is not considered a manufacturing defect.

7. Brake Maintenance

Your RAIDER bicycle may be fitted with V-brakes, mechanical disc brakes or hydraulic disc brakes.

General Brake Care

Before every ride:

- Confirm that both brakes operate correctly.
- Check that brake levers operate normally.
- Inspect pads for excessive wear.
- Check cables or hydraulic hoses for damage.
- Ensure brake components are secure.

Disc Brakes

Brake rotors and pads must remain free from:

- Chain lubricant.
- Grease.
- Oil.
- Cleaning chemicals.
- Other contaminants.

Contaminated brake pads may require replacement.

New disc brakes require a bedding-in period before maximum braking performance is achieved.

Brake pads and brake rotors are wear items and are not covered against normal wear.

8. Drivetrain Maintenance

The drivetrain may include the:

- Shifter.
- Rear derailleur.
- Front derailleur where fitted.
- Crank set.
- Chain.

- Cassette or freewheel.
- Chainring or chainrings.

The chain should be cleaned and lubricated regularly.

Chain wear should be monitored because an excessively worn chain can accelerate wear to the cassette and chainring.

The following are considered wear items:

- Chain.
- Cassette.
- Freewheel.
- Chainrings.
- Jockey wheels.

Normal wear of these components is not covered by warranty.

9. Cleaning and Storage

Clean your bicycle using mild bicycle-safe cleaning products and low-pressure water.

Do not use high-pressure cleaners around:

- Wheel bearings.
- Headset bearings.
- Bottom bracket bearings.
- Suspension fork seals.
- Hubs.
- Pedals.
- Brake components.

After washing:

- Dry the bicycle.
- Lubricate the chain as necessary.
- Ensure brake surfaces remain free of lubricant.

Store the bicycle in a dry environment wherever possible.

Long-term exposure to moisture, salt, chemicals or corrosive environments can damage components and finishes.

10. Intended Use

Different RAIDER bicycle models are designed for different types of riding.

The intended use of a bicycle depends on its:

- Frame.
- Wheel size.
- Fork.
- Wheels.
- Brakes.
- Components.
- Model designation.

Unless specifically stated otherwise for a particular model, RAIDER bicycles are **not intended for extreme riding**, including:

- Downhill racing.
- Freeride.
- Dirt jumping.
- Large jumps or drops.
- Stunt riding.
- Skatepark use.
- BMX-style use.
- Extreme enduro use.

Damage caused by using a bicycle beyond the conditions for which it was designed is not considered a manufacturing defect.

If you are unsure whether a particular type of riding is suitable for your bicycle, consult an authorised RAIDER distributor before riding.

11. Rider and System Weight

Maximum permitted rider or system weight varies between RAIDER models.

The total system weight may include:

- Rider.
- Clothing.
- Protective equipment.
- Water bottles.

- Tools.
- Luggage.
- Accessories.
- Other carried loads.

Refer to the applicable model specification or contact an authorised RAIDER distributor if you are unsure of the permitted weight.

Exceeding the specified weight limit may damage the bicycle, compromise rider safety and affect warranty coverage.

12. Accident or Impact Inspection

Bicycle components can suffer structural damage following an accident or significant impact even when no obvious damage is visible.

Following a significant crash or impact, inspect or have professionally inspected:

- Frame.
- Fork.
- Handlebars.
- Stem.
- Wheels.
- Crank set.
- Pedals.
- Brakes.
- Seat post.

Do not continue riding if structural damage is suspected.

13. Modifications and Replacement Components

Only components that are suitable and compatible with the bicycle should be installed.

Unauthorised modification may compromise the safety and structural integrity of the bicycle.

Warranty does not cover damage resulting from:

- Incompatible components.
- Incorrectly installed components.
- Drilling or modification of the frame.
- Welding or structural alteration.

- Incorrect fork installation.
- Installation of components outside the bicycle's intended specifications.

Consult an authorised RAIDER distributor if you are unsure about component compatibility.

14. RAIDER Warranty

RAIDER warrants applicable components against manufacturing defects for the periods specified below, subject to the terms and exclusions contained in this manual.

Warranty periods begin on the original date of purchase.

Warranty Coverage

Frame

2 Years

Against manufacturing defects in material or workmanship.

Excludes damage caused by impact, misuse, corrosion, neglect, modification or riding outside the bicycle's intended use.

Suspension Fork

Coil Suspension Fork: 3 Months

Air Suspension Fork: 6 Months

Against manufacturing defects.

Normal wear and maintenance items are excluded, including where applicable:

- Seals.
- Bushings.
- Lubricants.
- Stanchion wear.
- Damage caused by contamination.
- Damage caused by corrosion.
- Damage resulting from failure to maintain the fork.

Brakes

V-Brakes: 3 Months

Mechanical Disc Brakes: 6 Months

Hydraulic Disc Brakes: 1 Year

Against manufacturing defects.

The following are excluded as wear or service items:

- Brake pads.
- Brake rotors.
- Brake cables.
- Cable housing.
- Brake adjustment.
- Contamination.
- Damage caused by lack of maintenance.

Drivetrain

6 Months

Against manufacturing defects affecting applicable drivetrain components such as:

- Shifters.
- Derailleurs.
- Crank components.

The following drivetrain components are considered wear items and are specifically excluded from warranty against normal wear:

- Chain.
- Cassette.
- Freewheel.
- Chainring.
- Jockey wheels.

Wheelset

6 Months

Against manufacturing defects.

Normal wear, impact damage, damaged rims, spoke damage caused by impact, bearing wear and damage caused by incorrect spoke tension or lack of maintenance are excluded.

Paint and Decals

6 Months

Against manufacturing defects such as abnormal peeling.

Normal cosmetic deterioration, scratching, stone chips, impact damage, chemical damage, corrosion and normal environmental exposure are excluded.

15. General Warranty Exclusions

Unless failure is caused by a manufacturing defect, warranty does not cover normal wear or consumable components, including:

- Tyres.
- Tubes.
- Rim tape.
- Brake pads.
- Brake rotors.
- Chains.
- Cassettes.
- Freewheels.
- Chainrings.
- Jockey wheels.
- Grips.
- Cables.
- Cable housing.
- Bearings.
- Saddles.
- Pedals.

Warranty also does not cover damage caused by:

- Incorrect assembly.
- Incorrect adjustment.
- Failure to maintain the bicycle.
- Accidents or crashes.
- Abuse or neglect.
- Corrosion.
- Overloading.
- Competitive or extreme use outside the intended use of the bicycle.
- Unauthorised modification.
- Installation of incompatible components.
- Incorrect storage.

- Commercial rental use unless expressly approved.
 - Normal wear and tear.
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16. Owner Responsibilities

The bicycle owner is responsible for:

- Keeping the original proof of purchase.
 - Ensuring the bicycle was initially assembled and safety-checked by an authorised RAIDER distributor.
 - Following the safety and maintenance instructions contained in this manual.
 - Performing normal maintenance.
 - Having worn or damaged components replaced promptly.
 - Stopping use of the bicycle where a potential safety defect is identified.
 - Reporting suspected manufacturing defects promptly to the supplying retailer or authorised RAIDER distributor.
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17. Warranty Claims

Warranty claims should initially be submitted through the authorised RAIDER distributor from whom the bicycle was purchased.

The following may be required:

- Original proof of purchase.
- Bicycle model.
- Bicycle serial number.
- Evidence of initial assembly by an authorised RAIDER distributor.
- Photographs of the affected component.
- Description of the fault.
- Relevant maintenance or service information where applicable.

RAIDER reserves the right to inspect the bicycle or affected component before approving a claim.

Where a valid warranty claim is accepted, RAIDER may, subject to applicable law:

- Repair the affected component.
- Replace the affected component.
- Replace it with a component of equivalent or similar specification where the original component is unavailable.

Normal maintenance, wear-item replacement, transport costs and other incidental costs are not automatically included in component warranty coverage unless required by applicable consumer law.

The warranty applies to the original purchaser unless otherwise agreed in writing by RAIDER.

This warranty is provided in addition to rights available to consumers under applicable law.

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