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X-PRO DB14

X-PRO 110cc DB14 Semi-Automatic Dirt Bike User Manual

Model: DB14

1. INTRODUCTION

This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your X-PRO 110cc DB14 Semi-Automatic Dirt Bike. Please read this manual thoroughly before operating the vehicle to ensure proper use and to prevent injury or damage.

Safety Warning: Operating a dirt bike can be dangerous. Always wear appropriate safety gear, including a helmet, eye protection, gloves, and protective clothing. Ensure all riders are properly trained and supervised, especially minors. This vehicle is intended for off-road use only.

2. PRODUCT OVERVIEW

The X-PRO 110cc DB14 is a semi-automatic dirt bike designed for youth and intermediate riders. It features a 110cc 4-stroke air-cooled engine, hydraulic disc brakes, and a robust frame suitable for off-road conditions.

Key Features:

- 110cc 4-Stroke Air-Cooled Engine
- Semi-Automatic Transmission
- Front and Rear Hydraulic Disc Brakes
- 14-inch Front Wheel, 12-inch Rear Wheel
- Kick Start System
- Engine Kill Switch for immediate shutdown



Image 2.1: The X-PRO 110cc DB14 Dirt Bike, showcasing its orange and black design, knobby tires, and suspension system.

3. SETUP AND ASSEMBLY

Your X-PRO 110cc DB14 Dirt Bike requires some assembly upon arrival. It is recommended that assembly be performed by an adult with mechanical aptitude or by a qualified technician.

Included Components:

- 110cc Semi-Automatic Dirt Bike (partially assembled)
- Seat
- Tool Kit
- Kickstand
- Mudguard

Assembly Steps (General):

1. **Uncrating:** Carefully remove the bike from its shipping crate and metal frame. Inspect for any shipping damage.
2. **Handlebar Installation:** Attach the handlebar to the handlebar brackets. Ensure all bolts are securely tightened.
3. **Front Wheel Installation:** Install the front wheel, ensuring the axle is properly aligned and secured. Connect the front brake caliper if it is not pre-installed.
4. **Fender and Number Plate:** Attach the front fender and number plate as per the design.
5. **Brake System Check:** Verify that both front and rear hydraulic disc brakes are properly connected and functioning. Adjust as necessary.
6. **Fluid Checks:** Check engine oil levels and ensure the fuel tank is empty before filling with fresh fuel.
7. **Pre-Ride Inspection:** Before the first ride, thoroughly inspect all bolts, nuts, and fasteners for tightness. Check tire pressure and chain tension.

Note: Specific assembly details may vary by model. Refer to any supplementary diagrams or instructions provided with your specific unit.

4. OPERATING INSTRUCTIONS

4.1 Fueling

- Use fresh, unleaded gasoline with an octane rating of 87 or higher.
- The fuel tank capacity is approximately 1 gallon.
- Always refuel in a well-ventilated area with the engine off and cool.

4.2 Starting the Engine

1. Ensure the fuel valve is in the 'ON' position.
2. If the engine is cold, engage the choke.
3. Place the bike in neutral.
4. Use the kick start lever with a firm, swift motion. Do not 'feather' the kick start.
5. Once the engine starts, gradually disengage the choke as the engine warms up.
6. If the engine does not start after several kicks, check the engine kill switch, fuel supply, and spark plug.

4.3 Semi-Automatic Transmission

The DB14 features a semi-automatic transmission, meaning there is no clutch lever. Shifting gears is done by pressing the gear shifter with your foot.

- To shift up, press the shifter down.
- To shift down, lift the shifter up.
- Practice shifting at low speeds in a safe, open area until comfortable.

4.4 Braking

The bike is equipped with front and rear hydraulic disc brakes.

- The front brake is operated by the lever on the right handlebar.
- The rear brake is operated by the foot pedal on the right side.
- Apply both brakes smoothly and progressively for effective stopping. Avoid sudden, hard braking, especially on loose surfaces.

4.5 Engine Kill Switch

A red engine kill switch is located on the handlebar. Pressing this switch will immediately cut power to the engine, stopping the bike. Use this for emergencies or when shutting down the engine.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your dirt bike.

5.1 Engine Oil Change

- Change the engine oil after the first hour of operation (break-in period), then every 10-15 hours of riding or every 3 months, whichever comes first.
- Use recommended motorcycle engine oil (e.g., 10W-40).

- Refer to the engine diagram for drain plug and fill cap locations.

5.2 Chain Maintenance

- Inspect the drive chain for proper tension and lubrication before each ride.
- Adjust chain tension as needed; there should be approximately 0.5-1 inch of slack.
- Clean and lubricate the chain regularly with specialized chain lubricant.

5.3 Tire Inspection and Pressure

- Check tire pressure before each ride. Refer to the tire sidewall for recommended pressure.
- Inspect tires for wear, cuts, or punctures. Replace damaged tires immediately.

5.4 Fastener Checks

- Regularly check all bolts, nuts, and fasteners for tightness, especially on critical components like handlebars, wheels, brakes, and suspension.
- Loose fasteners can lead to component failure and unsafe operation.

5.5 General Cleaning

- Clean the bike after each ride, especially if ridden in muddy or dusty conditions.
- Avoid high-pressure washing directly on electrical components, bearings, or seals.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your X-PRO 110cc DB14 Dirt Bike.

6.1 Engine Does Not Start

- **No Fuel:** Check fuel level and ensure the fuel valve is open.
- **Engine Kill Switch:** Ensure the engine kill switch is in the 'RUN' position.
- **Choke:** Apply choke if the engine is cold.
- **Spark Plug:** Inspect the spark plug for fouling or damage. Replace if necessary.
- **Ignition System:** If the spark plug is good, issues might stem from the CDI, stator, or ignition coil. These components may require professional diagnosis.

6.2 Engine Dies Frequently / Runs Rough

- **Fuel Quality/Supply:** Ensure fresh fuel and clear fuel lines. Check for blockages in the fuel filter or carburetor.
- **Air Filter:** A dirty air filter can restrict airflow. Clean or replace as needed.
- **Carburetor Adjustment:** The carburetor may need adjustment for optimal fuel-air mixture. This is often best done by a professional.

6.3 Shifting Difficulties

- **Chain Tension:** Incorrect chain tension can affect shifting. Adjust as per maintenance guidelines.
- **Transmission Fluid:** Ensure proper transmission fluid levels (if applicable, check manual for specific fluid type).
- **Linkage:** Inspect the shift linkage for obstructions or damage.

6.4 Oil Leakage

- **Drain Plug/Fill Cap:** Check if the oil drain plug and fill cap are securely tightened.
- **Gaskets/Seals:** Inspect engine gaskets and seals for signs of wear or damage. Leaks from these areas may require professional repair.

6.5 Flat Tire

- **Puncture:** Locate the puncture and repair or replace the inner tube.
- **Valve Stem:** Check the valve stem for leaks.

7. SPECIFICATIONS

Component	Specification
Engine Type	110cc, 4-Stroke, Single Cylinder
Cooling System	Air Cooled
Transmission	Semi-Automatic
Max Horsepower	7 HP
Start System	Kick Start
Ignition	CDI
Final Drive	Chain Drive
Front Brake	Hydraulic Disc
Rear Brake	Hydraulic Disc
Front Tire	2.5 - 14
Rear Tire	3.0 - 12
Net Weight	125 lbs (56.7 kg)
Overall Length	63 inches (160 cm)
Overall Width	28 inches (71 cm)
Overall Height	41 inches (104 cm)
Seat Height	28 inches (71 cm)
Wheelbase	43.9 inches (111.5 cm)
Ground Clearance	11.4 inches (29 cm)
Fuel Tank Capacity	1 gallon (3.78 liters)
Maximum Weight Recommendation	150 lbs (68 kg)
Recommended Age Range	Big Kid / Intermediate Skill Level

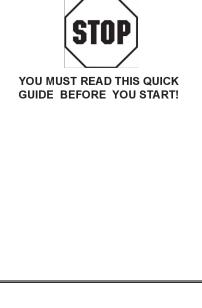
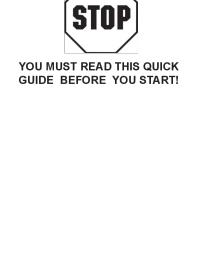
8. WARRANTY INFORMATION

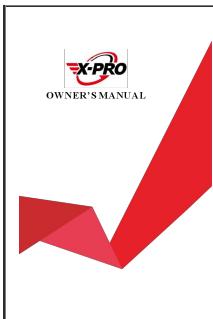
The X-PRO 110cc DB14 Dirt Bike comes with a **30-day warranty for replacement parts**. This warranty covers manufacturing defects in parts. It does not cover damage resulting from misuse, neglect, accidents, or normal wear and tear. For warranty claims, please contact the seller or manufacturer with your proof of purchase.

9. CUSTOMER SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact your authorized X-PRO dealer or the customer support department of the seller. Have your model number (DB14) and purchase information ready when contacting support.

Related Documents - DB14

 The image shows the cover of the X-PRO Owner's Manual. It features the X-PRO logo at the top, followed by the text "OWNER'S MANUAL". Below this is a large red geometric graphic consisting of several triangles.	<p><u>X-PRO 50cc 2-Stroke Dirt Bike Owner's Manual</u></p> <p>Comprehensive owner's manual for the X-PRO 50cc 2-Stroke Dirt Bike, covering safety, assembly, operation, maintenance, troubleshooting, and warranty information. Designed for competition use only.</p>
 A graphic of a stop sign with the word "STOP" in the center. Below the sign, the text "YOU MUST READ THE QUICK GUIDE BEFORE YOU START!" is printed.	<p><u>X-PRO Motorcycle Quick Start Guide and Tips</u></p> <p>Essential quick start guide and tips for X-PRO motorcycles, including assembly advice, maintenance recommendations, and warranty information.</p>
 A graphic of a stop sign with the word "STOP" in the center. Below the sign, the text "YOU MUST READ THIS QUICK GUIDE BEFORE YOU START!" is printed.	<p><u>X-PRO ATV Speed Limiter Adjustment and Operation Tips</u></p> <p>A quick guide from X-PRO on how to adjust the speed limiter on your ATV (model HS110A-A/ATV-D02), along with essential operating tips for safe and proper use. Includes support contact information.</p>
 A graphic of a stop sign with the word "STOP" in the center. Below the sign, the text "YOU MUST READ THIS QUICK GUIDE BEFORE YOU START!" is printed.	<p><u>X-PRO ATV Speed Limiter Adjustment and Operation Tips</u></p> <p>Learn how to adjust the speed limiter on your X-PRO ATV (CT110-2/ATV-P012) and find essential operating tips for safe and optimal performance. Includes guidance on oil changes, battery, and more.</p>



X-PRO 50cc 2-Stroke Dirt Bike Owner's Manual

Comprehensive owner's manual for the X-PRO 50cc 2-Stroke Dirt Bike, covering safety, assembly, operation, maintenance, troubleshooting, and warranty information. Designed for competition use only.



[Jetson Horizon X Electric Dirt Bike User Manual](#)

Comprehensive user manual for the Jetson Horizon X Electric Dirt Bike, covering safety warnings, product overview, getting started, features, riding tips, maintenance, and warranty information.

Documents - X-PRO – DB14



Professional Audio Equipment Catalog: Microphones, Cables, Interfaces, and More

A comprehensive catalog showcasing a wide range of professional audio gear, including microphones, cables, audio interfaces, studio monitors, accessories, and software from leading brands.

lang:en score:12 filesize: 28.83 M page_count: 91 document date: 2014-10-26





Pro Audio Microphones and Recording Equipment Catalog

A comprehensive catalog showcasing a wide range of professional audio microphones, including large diaphragm, small diaphragm, USB, and handheld performance models. The document also details related audio equipment such as computer audio interfaces, microphone preamps, compressors, signal processors, stands, cables, and music production software from leading brands in the pro audio industry.

lang:en score:9 filesize: 12.17 M page_count: 70 document date: 2011-05-04