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KXD 612 A

KXD 612 A 125cc Dirt Bike Instruction Manual

Model: 612 A

1. Important Safety Information

This KXD 612 A Dirt Bike is designed for off-road use only. It is not authorized for public road use. Always operate this vehicle responsibly and adhere to all local regulations regarding off-road vehicle use.

- Always wear appropriate safety gear, including a helmet, eye protection, gloves, long pants, and sturdy boots.
- Adult supervision is required for riders under the age of 16.
- Perform pre-ride inspections as outlined in the maintenance section before each use.
- Do not operate the dirt bike under the influence of alcohol or drugs.
- Be aware of your surroundings and potential hazards on the terrain.

Failure to follow these safety instructions can result in serious injury or death.

2. Product Overview

The KXD 612 A is a 125cc dirt bike designed for recreational off-road riding. It features a robust frame, a 4-speed manual transmission, and hydraulic disc brakes for reliable performance.



Figure 2.1: KXD 612 A 125cc Dirt Bike (Orange/Black)



Figure 2.2: Side profile of the KXD 612 A Dirt Bike

3. Setup and Initial Assembly

The KXD 612 A requires some assembly upon delivery. Follow these general steps. Refer to the detailed assembly guide provided in the product packaging for specific instructions and torque specifications.

3.1 Unboxing and Component Identification

- Carefully remove all components from the packaging.
- Verify that all parts listed in the packing list are present.
- Identify the main frame, handlebars, wheels, and any loose components.

3.2 Handlebar Installation

- Attach the handlebars to the triple clamp using the provided bolts.
- Ensure all cables (throttle, clutch, brakes) are routed correctly and not pinched.
- Tighten bolts to the manufacturer's specified torque.

3.3 Wheel Installation

- Install the front and rear wheels, ensuring brake calipers align correctly with the discs.
- Secure axle nuts to the specified torque.

3.4 Fluid Checks and Preparation

- Check engine oil level and fill if necessary (refer to engine manual for oil type and capacity).
- Fill the fuel tank with 90 octane gasoline (4.6L capacity).
- Verify brake fluid levels and ensure proper brake function.

3.5 Tire Pressure

- Inflate tires to the recommended pressure (refer to tire sidewall or specific manual section).



Figure 3.1: Front view showing handlebars and front wheel assembly

4. Operating Instructions

4.1 Starting the Engine

1. Ensure the fuel valve is open.
2. Turn the ignition key to the 'ON' position.
3. If the engine is cold, engage the choke.
4. Press the electric start button.
5. Once the engine starts, disengage the choke as it warms up.

4.2 Gear Shifting

The KXD 612 A features a 4-speed manual transmission. The shift pattern is typically 1-N-2-3-4 (one down, three up) or N-1-2-3-4 (all up or all down, depending on specific model). Consult your engine manual for the exact shift pattern.

- To shift gears, pull in the clutch lever, shift with the foot lever, and then smoothly release the clutch while applying throttle.
- Practice shifting in a safe, open area before riding on challenging terrain.

4.3 Braking

The dirt bike is equipped with hydraulic disc brakes on both the front and rear wheels.

- 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.

4.4 Stopping the Engine

- Bring the dirt bike to a complete stop.
- Shift into neutral.
- Turn the ignition key to the 'OFF' position.
- Close the fuel valve.

5. Maintenance

Regular maintenance is crucial for the longevity and safe operation of your KXD 612 A Dirt Bike.

5.1 Pre-Ride Inspection (Before Each Use)

- **Tires:** Check tire pressure and inspect for cuts, punctures, or excessive wear.
- **Brakes:** Test front and rear brakes for proper function and feel. Check brake fluid levels.
- **Chain:** Inspect chain tension, lubrication, and wear. Adjust if necessary.
- **Fluids:** Check engine oil and fuel levels.
- **Controls:** Ensure throttle, clutch, and shift levers operate smoothly.
- **Fasteners:** Visually inspect for any loose nuts, bolts, or fasteners.

5.2 Regular Maintenance Schedule

- **Engine Oil:** Change engine oil every 10-15 hours of operation or as recommended by the engine manufacturer.
- **Air Filter:** Clean or replace the air filter regularly, especially after riding in dusty conditions.
- **Spark Plug:** Inspect and clean or replace the spark plug periodically.
- **Chain & Sprockets:** Clean, lubricate, and inspect the drive chain and sprockets for wear. Replace if worn.
- **Brake Pads:** Inspect brake pads for wear and replace when necessary.
- **Suspension:** Check front fork and rear shock for leaks or damage. Lubricate moving parts.



Figure 5.1: Rear shock absorber and chain drive

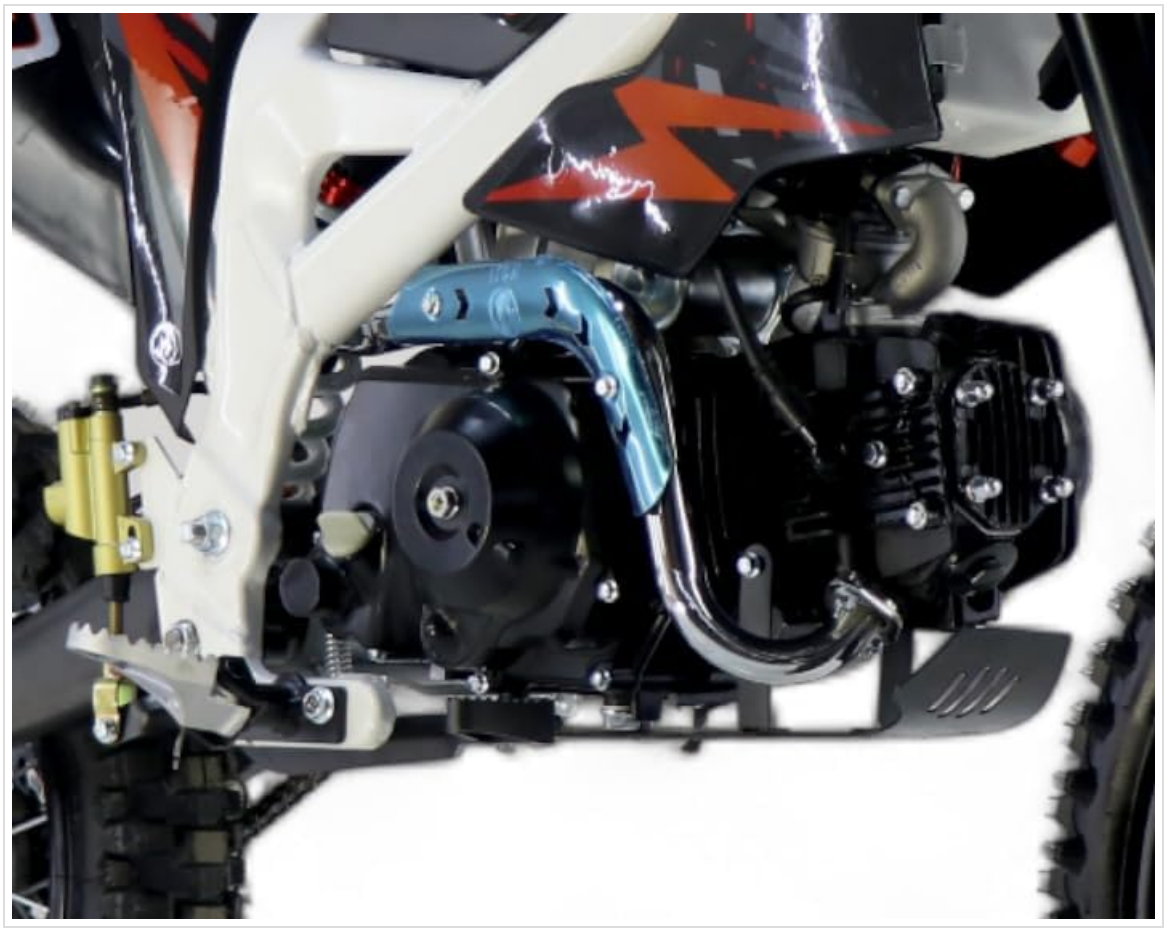


Figure 5.2: Engine and exhaust system

6. Troubleshooting

This section provides basic troubleshooting steps for common issues. For complex problems, consult a qualified mechanic or your dealer.

6.1 Engine Does Not Start

- **No Fuel:** Check fuel level and ensure the fuel valve is open.
- **No Spark:** Check spark plug for fouling or damage. Ensure ignition is ON.
- **Battery:** If using electric start, check battery charge.
- **Choke:** Ensure choke is engaged for cold starts and disengaged when warm.

6.2 Poor Engine Performance

- **Air Filter:** A dirty air filter can restrict airflow. Clean or replace.
- **Fuel Quality:** Ensure fresh, correct octane fuel is used.
- **Spark Plug:** A worn or fouled spark plug can cause misfires.

6.3 Brake Issues

- **Spongy Brakes:** May indicate air in the hydraulic system or low fluid. Bleed brakes or add fluid.
- **Weak Braking:** Inspect brake pads for wear. Check for contamination on brake discs.

7. Specifications

Feature	Specification
Model Name	KXD 612 A
Engine Displacement	125 cc
Engine Type	Internal Combustion Engine
Transmission	4-speed Manual (Forward)
Fuel Type	90 Octane Gasoline
Fuel Tank Capacity	4.6 Liters
Braking System	Hydraulic Disc Brakes (Front & Rear)
Front Tire Size	70/100-17
Rear Tire Size	90/100-14
Suspension	Adjustable Up-Side-Down Front Fork, Hydraulic Rear Shock Absorber
Drive Type	Chain Drive
Empty Weight	64 kg
Maximum Load Capacity	80 kg (Rider) / 100 kg (Total Recommended)
Seat Height (from ground)	82 cm
Vehicle Dimensions (L x W x H)	1180 x 730 x 1100 mm (approx.)
Frame Material	Aluminum, Steel Alloy

Feature	Specification
Intended Terrain	Trail, Cyclocross, Mountain
Assembly Required	Yes

8. Warranty and Support

8.1 Warranty Information

The KXD 612 A Dirt Bike comes with a dealer warranty. Please retain your proof of purchase for any warranty claims. The terms and duration of the warranty may vary by region and dealer. Contact your purchasing dealer for specific warranty details.

8.2 Customer Support

For technical assistance, spare parts, or any questions not covered in this manual, please contact your authorized KXD dealer or the retailer from whom you purchased the product. Provide your model number (KXD 612 A) and purchase date when seeking support.

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