

All Balls All Balls 26-1144

Model: 26-1144 | Brand: All Balls

1. INTRODUCTION

2. PRODUCT OVERVIEW AND COMPONENTS

Image: Contents of the All Balls 26-1144 Carburetor Repair Kit, showing various O-rings, gaskets, jets, needles, and screws.

Kit Contents:

- All necessary O-rings and rubber gaskets, made from NBR material for excellent resistance to ethanol in modern fuels.
- Jets (OEM sizes included).
- Needle.
- Mixture screw.
- Float bowl screws.
- Float valve needle and seat.
- High Performance Interface Gasket material for applications that originally used paper float bowl gaskets.

Note: For ATV models equipped with two carburetors, the kit provides components sufficient to repair both units. Components are based on US models; discretion is advised for non-US applications.



Image: The All Balls 26-1144 Carburetor Repair Kit displayed in its clear retail packaging, with the kit components visible below.

3. COMPATIBILITY

This Carburetor Repair Kit (26-1144) is specifically designed for the following vehicle:

- **Yamaha TTR110** models from **2008 to 2015**.

Always verify the part number and compatibility with your specific vehicle model and year before installation.

4. SAFETY INFORMATION

Working with fuel systems requires caution. Adhere to the following safety guidelines:

- **Ventilation:** Work in a well-ventilated area to avoid inhaling fuel fumes.

- **Fire Hazard:** Keep open flames, sparks, and heat sources away from the work area. Fuel is highly flammable.
- **Eye Protection:** Always wear safety glasses to protect your eyes from fuel splashes or debris.
- **Gloves:** Wear fuel-resistant gloves to protect your skin.
- **Fuel Disposal:** Dispose of old fuel and cleaning solvents responsibly according to local regulations.
- **Professional Assistance:** If you are unsure about any step, consult a qualified mechanic or refer to your vehicle's official service manual.

5. INSTALLATION INSTRUCTIONS

The following are general steps for installing the carburetor repair kit. Specific procedures may vary depending on your vehicle's make and model. Always refer to your vehicle's service manual for detailed, model-specific instructions.

Required Tools (Not Included):

- Basic hand tools (screwdrivers, wrenches, pliers).
- Carburetor cleaner.
- Compressed air.
- Shop rags.

Step-by-Step Guide:

1. **Preparation:** Ensure the engine is cool. Disconnect the battery if necessary. Turn off the fuel supply and drain the fuel from the carburetor float bowl.
2. **Carburetor Removal:** Carefully remove the carburetor from the vehicle. Note the position of all hoses and cables for reassembly.
3. **Disassembly:** Disassemble the carburetor, paying close attention to the order and orientation of all components. Take photos or make diagrams if needed. Remove all old O-rings, gaskets, jets, and the float valve assembly.
4. **Cleaning:** Thoroughly clean all carburetor passages and components using carburetor cleaner. Use compressed air to blow out all passages and ensure they are free of debris. Ensure no cleaner residue remains.
5. **Component Replacement:** Install the new components from the All Balls repair kit. Replace all O-rings, gaskets, jets, the mixture screw, float bowl screws, and the float valve needle and seat. Ensure the correct OEM jet sizes are used as provided in the kit.
6. **Float Adjustment:** Verify and adjust the float height according to your vehicle's service manual specifications. Incorrect float height can lead to fuel delivery issues.
7. **Reassembly:** Carefully reassemble the carburetor, ensuring all components are correctly seated and tightened to specifications.
8. **Installation:** Reinstall the carburetor onto the vehicle, reconnecting all hoses and cables.
9. **Fuel System Prime:** Reconnect the fuel supply and allow the carburetor to fill with fuel. Check for any leaks.
10. **Engine Start and Adjustment:** Start the engine and allow it to warm up. Perform any necessary idle speed and mixture screw adjustments as per your vehicle's service manual to ensure smooth operation.

6. MAINTENANCE

Regular maintenance of your carburetor is essential for sustained performance:

- **Fuel Quality:** Always use fresh, clean fuel. Stale or contaminated fuel can clog jets and passages.
- **Fuel Stabilizer:** If the vehicle will be stored for an extended period, use a fuel stabilizer to prevent fuel degradation and gumming.
- **Fuel Filter:** Regularly inspect and replace the fuel filter to prevent contaminants from reaching the carburetor.

- **Air Filter:** Ensure the air filter is clean and properly maintained to prevent dirt from entering the carburetor.
- **Periodic Inspection:** Periodically check for fuel leaks around the carburetor and ensure all connections are secure.

7. TROUBLESHOOTING

If you encounter issues after installing the repair kit, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Fuel Leakage	Improperly seated O-rings/gaskets, damaged float valve, incorrect float height, loose screws.	Recheck all seals and gaskets. Inspect float valve for debris or wear. Adjust float height. Tighten float bowl screws.
Poor Engine Performance (e.g., rough idle, stalling)	Clogged jets/passages, incorrect mixture screw adjustment, vacuum leak, incorrect float height.	Reclean carburetor passages. Adjust mixture screw. Check for vacuum leaks. Verify float height.
Engine Not Starting	No fuel flow, clogged main jet, incorrect choke operation, electrical issue (not carburetor related).	Check fuel supply. Inspect main jet for clogs. Ensure choke operates freely. Consult vehicle service manual for other starting issues.
Excessive Fuel Consumption	Incorrect float height (too high), worn needle/seat, incorrect jetting.	Adjust float height. Inspect needle and seat for wear. Ensure correct jets are installed.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional mechanic or refer to your vehicle's comprehensive service manual.

8. SPECIFICATIONS

Key specifications for the All Balls 26-1144 Carburetor Repair Kit:

Specification	Detail
Brand	All Balls
Model Number	26-1144
Item Weight	1.28 ounces
Product Dimensions	3.5"D x 5.5"W x 0.75"H
Vehicle Service Type	All-terrain vehicles, off-road motorcycles, utility vehicles
Recommended Uses	All Terrain Vehicle
Specific Uses	Performance
Material Feature	NBR rubber for ethanol resistance, High Performance Interface Gasket material

9. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the documentation included with your purchase or visit the official All Balls Racing website. For technical support or inquiries, please contact All Balls Racing customer service directly.

You can find more information and contact details on the [All Balls Racing Store on Amazon](#).

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