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› All Balls Racing Fuel Pump Kit 47-2032 Instruction Manual for Kawasaki Motorcycles

All Balls 47-2032

All Balls Racing Fuel Pump Kit

MODEL: 47-2032

Introduction

This instruction manual provides essential information for the proper installation, operation, and maintenance of your All Balls Racing Fuel Pump Kit, model 47-2032. This kit is designed to replace the original equipment manufacturer (OEM) fuel pump module, restoring optimal fuel delivery and engine performance. Please read this manual thoroughly before beginning any installation or service procedures.

Safety Information

WARNING: Working with fuel systems involves flammable materials and can be hazardous. Always exercise extreme caution.

- Ensure the work area is well-ventilated and free from open flames, sparks, or other ignition sources.
- Disconnect the vehicle's battery before starting any work on the fuel system.
- Wear appropriate personal protective equipment, including safety glasses and fuel-resistant gloves.
- Relieve fuel system pressure before disconnecting any fuel lines. Refer to your vehicle's service manual for specific procedures.
- Dispose of fuel and fuel-soaked materials according to local regulations.
- If you are not confident in your ability to perform this installation safely, seek assistance from a qualified professional mechanic.

Package Contents

The All Balls Racing Fuel Pump Kit 47-2032 typically includes the following components:

- Fuel Pump
- Fuel Filter
- Hose(s) (as necessary per model)
- Clamp(s) (as necessary per model)
- Wiring Harness (as necessary per model)

- O-rings/Seals



Image: Contents of the All Balls Racing Fuel Pump Kit 47-2032. This image displays the main fuel pump unit, a white fuel filter, three black O-rings, and two wiring harnesses with terminal connectors.

Compatibility

This All Balls Racing Fuel Pump Kit 47-2032 is compatible with the following Kawasaki motorcycle models:

- Kawasaki EX 650R (2012-2019)
- Kawasaki EX 650R ABS (2013-2019)
- Kawasaki EX300 Ninja (2013-2017)

Always verify compatibility with your specific vehicle's make, model, and year before installation.

Setup and Installation

This fuel pump kit is designed for plug-and-play installation, replacing the OEM fuel pump module. While the kit includes necessary components, specific installation steps may vary by vehicle model. It is highly recommended to consult your vehicle's official service manual for detailed, model-specific instructions and torque specifications.

General Installation Steps (Refer to Vehicle Service Manual for Details):

1. **Preparation:** Ensure the vehicle is on a stable, level surface. Disconnect the battery. Relieve fuel system pressure.
2. **Access Fuel Tank/Pump:** Depending on your motorcycle model, this may involve removing seats, fairings, or other components to gain access to the fuel tank and the fuel pump assembly.
3. **Drain Fuel:** If necessary, drain the fuel from the tank into an approved container.
4. **Remove Old Fuel Pump Module:** Disconnect electrical connectors and fuel lines from the existing fuel pump module. Carefully remove the module from the fuel tank.
5. **Disassemble OEM Module:** Disassemble the OEM fuel pump module to remove the old fuel pump, filter, and associated components. Note the orientation and routing of all parts.
6. **Install New Components:** Install the new All Balls Racing fuel pump, filter, hoses, clamps, and wiring harness into

the OEM fuel pump module housing. Ensure all O-rings and seals are correctly seated and lubricated with a small amount of clean fuel.

7. **Reassemble and Reinstall:** Reassemble the fuel pump module and carefully reinstall it into the fuel tank. Connect fuel lines and electrical connectors.
8. **Refill Fuel and Test:** Refill the fuel tank. Reconnect the battery. Turn the ignition key to the 'ON' position several times without starting the engine to prime the fuel system and check for leaks. Start the engine and inspect for proper operation and any leaks.

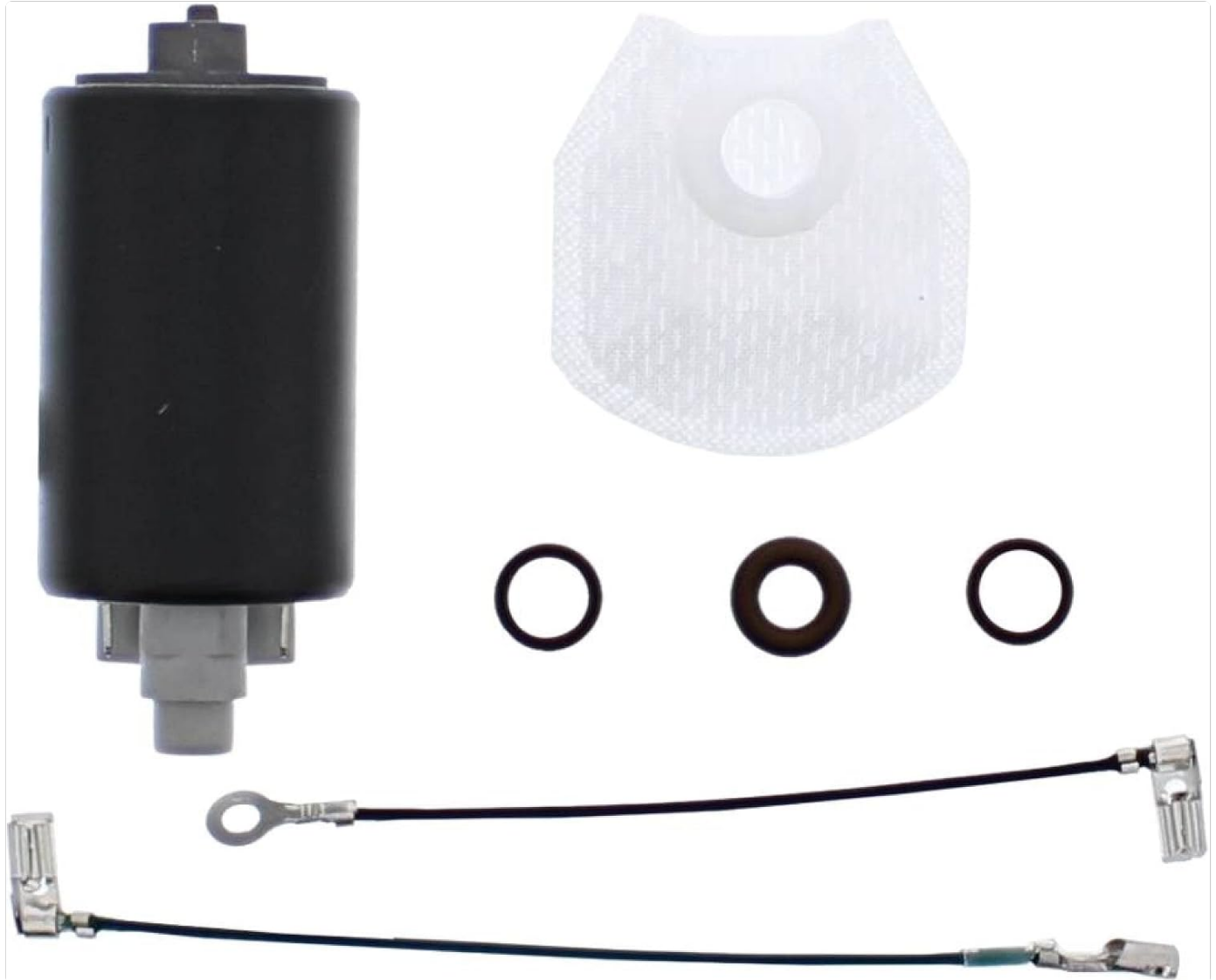


Image: A closer view of the All Balls Racing Fuel Pump Kit components. This image highlights the fuel pump, the mesh filter, and the electrical wiring with connectors, ready for assembly into the fuel pump module.

Operating Principles

The All Balls Racing Fuel Pump Kit functions as a direct replacement for your motorcycle's original electric fuel pump. Its primary role is to draw fuel from the fuel tank and deliver it under pressure to the engine's fuel injection system. This ensures a consistent and adequate supply of fuel for optimal engine combustion and performance. The pump activates when the ignition is turned on, priming the system, and continues to operate while the engine is running.

Maintenance

The All Balls Racing Fuel Pump Kit is designed for durability and reliable performance. While the fuel pump itself is generally a sealed unit requiring no routine maintenance, proper fuel system hygiene is crucial for its longevity:

- **Fuel Quality:** Always use clean, high-quality fuel as recommended by your motorcycle manufacturer. Contaminated fuel can clog the fuel filter and damage the pump.
- **Fuel Filter:** The kit includes a new fuel filter. It is recommended to inspect or replace the fuel filter at intervals specified in your motorcycle's service manual, or sooner if signs of fuel delivery issues arise.
- **Tank Cleanliness:** Periodically inspect the inside of your fuel tank for rust or debris, which can contaminate the fuel system.

Troubleshooting

If you experience issues after installing the fuel pump kit, consider the following common troubleshooting steps:

- **No Fuel Pressure/Engine Not Starting:**
 - Check all electrical connections to the fuel pump for proper seating and continuity.
 - Verify that the fuel pump fuse is intact and not blown.
 - Ensure there is sufficient fuel in the tank.
 - Confirm the fuel lines are correctly connected and not kinked.
- **Engine Runs Poorly/Stalls:**
 - Inspect the fuel filter for clogging.
 - Check for any air leaks in the fuel lines or fuel pump assembly.
 - Ensure the fuel pump is receiving adequate voltage.
- **Fuel Leaks:**
 - Immediately shut off the engine and disconnect the battery.
 - Inspect all fuel line connections and O-rings for proper installation and sealing. Replace any damaged seals.

For persistent issues, it is recommended to consult a qualified mechanic or refer to your motorcycle's service manual for advanced diagnostic procedures.

Specifications

Feature	Specification
Brand	All Balls
Model Number	47-2032
Fit Type	Universal Fit (for specified models)
Vehicle Service Type	ATV, UTV (also compatible with specified motorcycles)
Material	ABS Plastic
Auto Part Position	Front (within fuel tank assembly)
Inlet Connection Type	Hose Barb
Gas Type	Gasoline
Mounting Type	Tank Mount
Operation Mode	Automatic

Product Grade	Replacement Part
Specification Met	OE (Original Equipment)
UPC	754133168181

Support and Warranty

For technical assistance, specific product inquiries, or warranty information, please contact All Balls Racing directly through their official website or authorized distributors. Keep your purchase receipt as proof of purchase for any warranty claims.

Visit the [All Balls Racing Store](#) for more information.

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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.

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