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## TYC 150413-A

# TYC 150413-A Fuel Pump Module Assembly Instruction Manual

Compatible with 2008-2012 Honda Accord

## 1. INTRODUCTION AND OVERVIEW

This instruction manual provides essential information for the proper installation, operation, and maintenance of the TYC 150413-A Fuel Pump Module Assembly. This component is designed as a direct replacement for 2008-2012 Honda Accord models, ensuring compatibility and reliable performance. Adherence to these instructions is crucial for safe and effective operation.

Key features of this TYC Fuel Pump Module Assembly include:

- OE-comparable harness for hassle-free installation, eliminating the need for 'pigtail' connectors.
- OE-comparable mounting provisions to ensure a precise, drop-in fitment.
- Manufactured with premium materials and subjected to rigorous, accelerated cycling tests to ensure product service quality and durability.

## 2. SAFETY INFORMATION

**WARNING:** Working with fuel systems involves flammable materials and high-pressure components. Improper installation or handling can lead to fire, explosion, serious injury, or death. It is highly recommended that installation be performed by a qualified automotive technician.

- Always disconnect the vehicle's battery before beginning any work on the fuel system.
- Ensure the work area is well-ventilated and free from open flames, sparks, or other ignition sources.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Relieve fuel system pressure before disconnecting any fuel lines. Refer to your vehicle's service manual for specific procedures.
- Handle fuel carefully to prevent spills. Clean up any spills immediately.
- Do not smoke or use electronic devices that could create a spark near the fuel system.
- Ensure all connections are secure and leak-free after installation.

## 3. PRODUCT COMPONENTS

The TYC 150413-A Fuel Pump Module Assembly includes the complete fuel pump unit and a new sealing gasket

for installation.



*Figure 3.1: Overview of the TYC Fuel Pump Module Assembly, showing the main unit and the included sealing gasket.*

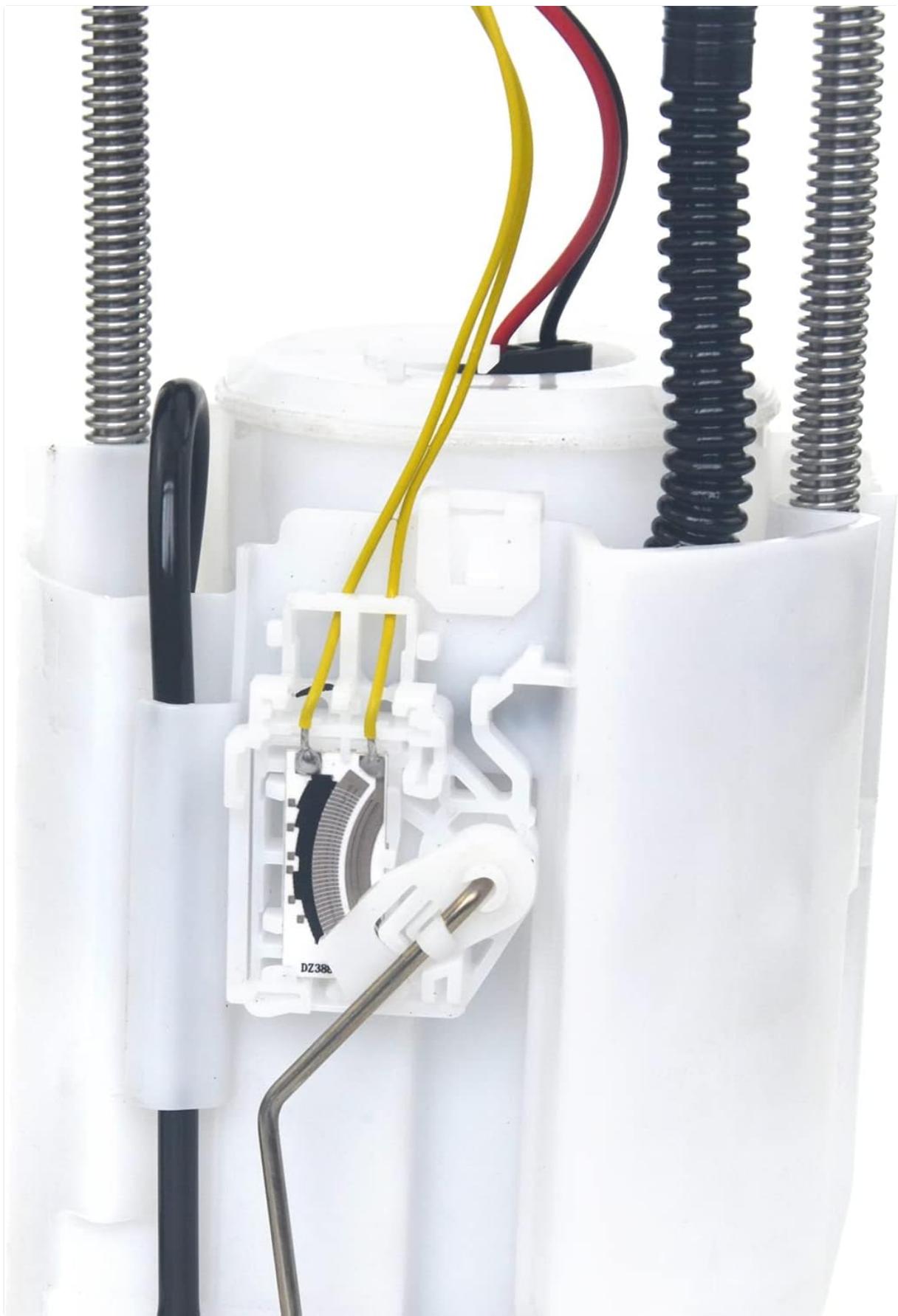
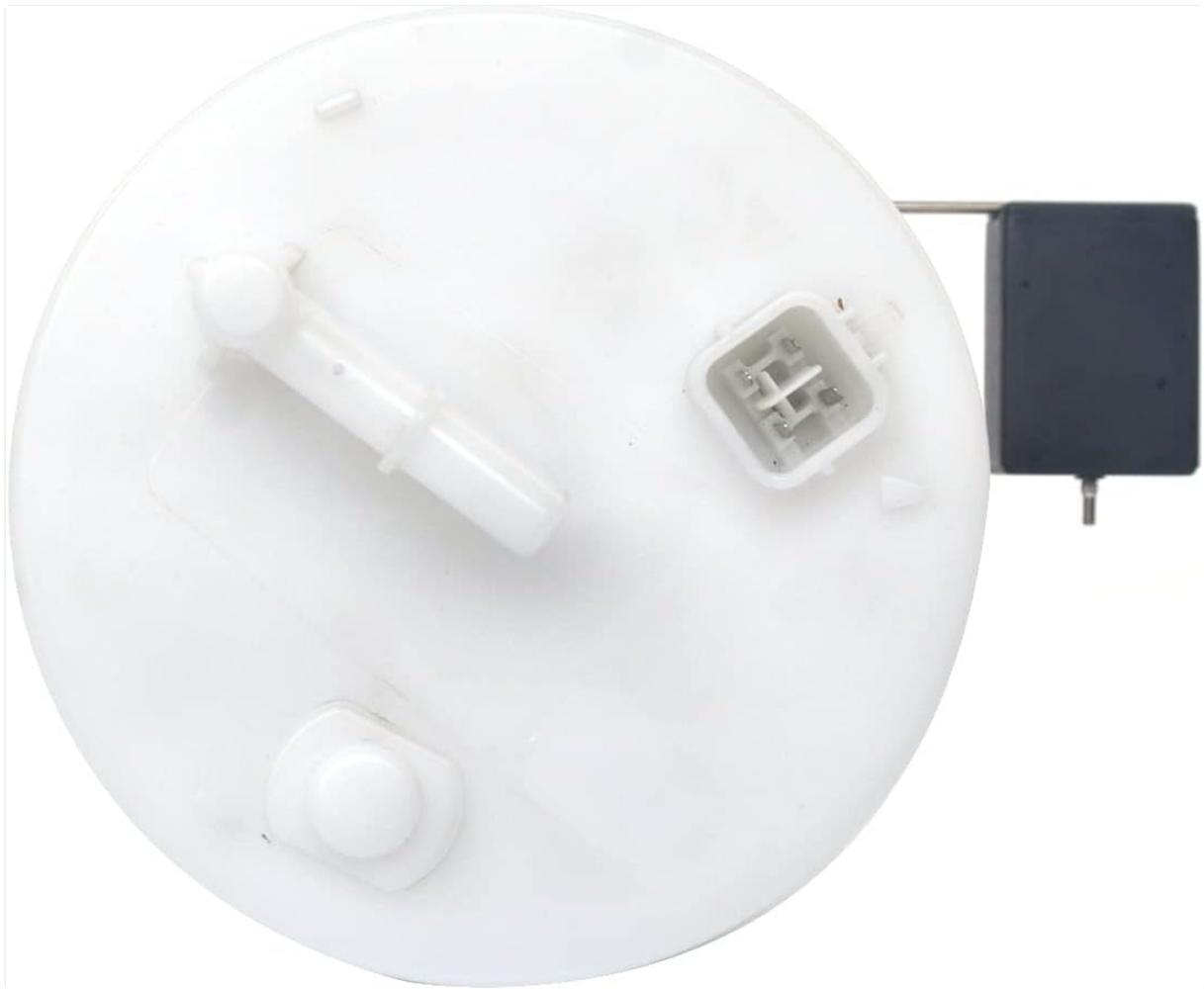


Figure 3.2: Detailed view of the fuel level sending unit (float arm and resistor) and internal electrical connections within the module.



*Figure 3.3: Top perspective of the fuel pump module, highlighting the electrical connector port and the fuel line outlets.*



Figure 3.4: Close-up of the multi-pin electrical connector, designed for OE-comparable harness connection.



Figure 3.5: Bottom view of the fuel pump module, illustrating the fuel level float mechanism.

#### 4. SETUP AND INSTALLATION

This section outlines the general steps for installing the TYC 150413-A Fuel Pump Module Assembly. Specific procedures may vary by vehicle model and year. Always consult your vehicle's factory service manual for detailed, model-specific instructions.

#### **1. Preparation:**

- Park the vehicle on a level surface and engage the parking brake.
- Disconnect the negative terminal of the vehicle's battery.
- Relieve fuel system pressure according to the vehicle manufacturer's specifications.
- Ensure the fuel tank is as empty as possible to minimize fuel spillage.
- Locate the access panel for the fuel pump module, typically under the rear seat or in the trunk.

#### **2. Removal of Old Fuel Pump:**

- Carefully disconnect electrical connectors and fuel lines from the existing fuel pump module. Be prepared for residual fuel.
- Remove the retaining ring or bolts securing the fuel pump module to the fuel tank.
- Gently lift the old fuel pump module out of the fuel tank, being careful not to damage the fuel level float arm.
- Inspect the fuel tank for any debris or contamination.

#### **3. Installation of New Fuel Pump:**

- Ensure the new sealing gasket is correctly seated on the TYC 150413-A module or the fuel tank opening.
- Carefully lower the new fuel pump module into the fuel tank, ensuring the fuel level float arm moves freely and does not snag.
- Secure the module with the retaining ring or bolts, ensuring it is properly seated and tightened to manufacturer specifications.
- Reconnect all fuel lines and electrical connectors. Double-check for secure connections.

#### **4. Post-Installation Checks:**

- Reconnect the vehicle's battery.
- Turn the ignition key to the "ON" position (without starting the engine) for a few seconds to allow the fuel pump to prime the system. Repeat this step two or three times.
- Inspect all fuel line connections for leaks.
- Start the engine and check for proper operation and any fuel leaks.
- Verify that the fuel gauge is functioning correctly.

If any leaks or malfunctions are detected, immediately shut off the engine and address the issue before driving the vehicle.

## **5. OPERATING CONSIDERATIONS**

Once installed, the TYC 150413-A Fuel Pump Module Assembly operates automatically as part of your vehicle's fuel delivery system. Proper operation is indicated by consistent engine performance and accurate fuel gauge readings.

- The fuel pump activates when the ignition is turned on to pressurize the fuel system.
- During engine operation, the pump continuously supplies fuel to the engine at the required pressure.
- The integrated fuel level sending unit provides accurate fuel level readings to the vehicle's dashboard gauge.

Any noticeable changes in engine performance, such as hesitation, stalling, or difficulty starting, could indicate an issue with the fuel delivery system and should be investigated promptly.

## 6. MAINTENANCE

The TYC 150413-A Fuel Pump Module Assembly is designed for long-term, maintenance-free operation. However, the longevity and performance of your fuel system can be enhanced by following general vehicle maintenance practices:

- **Use Quality Fuel:** Always use the recommended octane and quality of fuel for your vehicle. Poor quality or contaminated fuel can lead to premature wear of fuel system components.
- **Avoid Running on Low Fuel:** Regularly running your vehicle with a very low fuel level can cause the fuel pump to overheat, as fuel acts as a coolant for the pump motor. Try to keep your fuel tank at least a quarter full.
- **Replace Fuel Filter (if applicable):** While this module includes an internal filter, some vehicles may have an additional inline fuel filter. Refer to your vehicle's service manual for recommended fuel filter replacement intervals. A clogged fuel filter can put excessive strain on the fuel pump.
- **Regular Vehicle Servicing:** Adhere to your vehicle manufacturer's recommended service schedule to ensure all systems, including the fuel system, are inspected and maintained.

## 7. TROUBLESHOOTING

If you experience issues after installing the TYC 150413-A Fuel Pump Module Assembly, consider the following common troubleshooting steps. For complex issues, professional diagnosis is recommended.

Symptom	Possible Cause	Solution
Engine cranks but won't start	No fuel pressure, electrical issue, clogged fuel filter.	Check fuel pump fuse/relay. Verify electrical connections to the pump. Listen for pump priming sound when ignition is turned on. Check fuel pressure with a gauge.
Engine stalls or hesitates	Insufficient fuel pressure, intermittent electrical connection.	Check fuel pressure. Inspect wiring harness for loose or corroded connections.
Fuel gauge inaccurate or not working	Fuel level sending unit issue, electrical connection to gauge.	Ensure the fuel level float arm moves freely. Check electrical connection to the sending unit and the vehicle's instrument cluster.
Fuel leak detected	Improperly seated gasket, loose fuel line connection.	Immediately shut off engine. Re-check the sealing gasket and ensure the retaining ring/bolts are tightened correctly. Verify all fuel lines are securely connected.

If troubleshooting steps do not resolve the issue, seek assistance from a certified automotive technician.

## 8. SPECIFICATIONS

Specification	Detail
Brand	TYC
Model Number	150413-A
OEM Part Number	17045-TA0-A00
UPC	762405828084
Fit Type	Vehicle Specific Fit (2008-2012 Honda Accord)

Specification	Detail
Item Dimensions (L x W x H)	13.39 x 5.71 x 6.69 inches
Item Weight	2.98 Pounds
Operation Mode	Mechanical
Specification Met	OE
Style	Gerotor

## 9. WARRANTY INFORMATION

TYC stands behind the quality of its products. For specific warranty terms and conditions applicable to the TYC 150413-A Fuel Pump Module Assembly, please refer to the warranty documentation included with your purchase or visit the official TYC website. Warranty coverage typically addresses manufacturing defects and material flaws under normal use and service.

## 10. SUPPORT AND CONTACT

For technical assistance, installation questions, or warranty claims regarding your TYC 150413-A Fuel Pump Module Assembly, please contact TYC customer support through their official website or the contact information provided with your product packaging. When contacting support, please have your product model number (150413-A) and purchase details readily available.

**TYC Official Website:** [www.tyc.com](http://www.tyc.com) (This is a placeholder link, please verify the actual TYC website for support.)