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› ECCPP Electric Fuel Pump Module Assembly Instruction Manual for Honda CR-V 2.4L (2012-2014), Model 170094

ECCPP 170094

ECCPP Electric Fuel Pump Module Assembly Instruction Manual

Model: 170094 | Compatible with Honda CR-V 2.4L (2012-2014)

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your ECCPP Electric Fuel Pump Module Assembly. This product is designed as a direct replacement for the E9186M fuel pump in 2012-2014 Honda CR-V vehicles equipped with a 2.4L engine.

The primary function of this electric fuel pump module is to draw fuel from the vehicle's fuel tank, pressurize it, and then deliver it to the fuel supply pipe. It works in conjunction with the fuel pressure regulator to maintain a consistent fuel pressure, ensuring a continuous and efficient supply of fuel to the injectors.



Image 1.1: ECCPP Electric Fuel Pump Module Assembly. This image displays the complete fuel pump module, including the pump, fuel level sender, and associated wiring and hoses.

2. COMPONENTS (WHAT'S IN THE BOX)

Your ECCPP Electric Fuel Pump Module Assembly package typically includes:

- One (1) ECCPP Electric Fuel Pump Module Assembly
- One (1) Fuel Level Sender (integrated or separate, as shown in images)
- One (1) Locking Ring
- One (1) O-ring/Gasket

Signs That Your Fuel Pump Is Failing:



Difficulty Starting the Vehicle



The Car Can't Supply Gas



Losing Power When Accelerating



Buzzing When Driving

Image 2.1: Exploded view of the ECCPP Fuel Pump Module Assembly, showing the main unit, fuel level sender, locking ring, and O-ring.

3. INSTALLATION GUIDELINES

Important Note: Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning any work on the fuel system. Work in a well-ventilated area and take appropriate safety precautions.

1. **Compatibility Check:** Verify that the part numbers on this new assembly precisely match the part numbers of

the component you are replacing.

- 2. **Pressure Sensor Reuse:** This ECCPP Fuel Pump Module Assembly does not include a pressure sensor. The original black pressure sensor located on the top of your existing assembly must be carefully removed and reused during the installation of the new unit.
- 3. **Work Environment:** Ensure the installation area is dry and free from potential ignition sources.
- 4. **Cleanliness:** Before disassembling the old fuel pump, thoroughly clean any dirt or debris around the gasket area of the fuel pump to prevent contaminants from entering the fuel tank.
- 5. **Tank Sealing:** After removing the old fuel pump, temporarily seal the opening of the fuel tank to prevent dust and foreign particles from entering.
- 6. **Old Pump Removal:** Carefully remove the old fuel pump and keep the work area clean to avoid contamination.
- 7. **Tank and Line Cleaning:** Prior to installing the new pump, clean the bottom of the fuel tank and any associated fuel lines to ensure optimal performance and prevent premature failure of the new pump.
- 8. **Piping and Fittings:** Confirm that all piping and fittings meet the specifications required for the fuel pump assembly to ensure a secure and leak-free connection.



Image 3.1: Visual representation of key installation tips, emphasizing a dry installation environment and proper fitting connections.

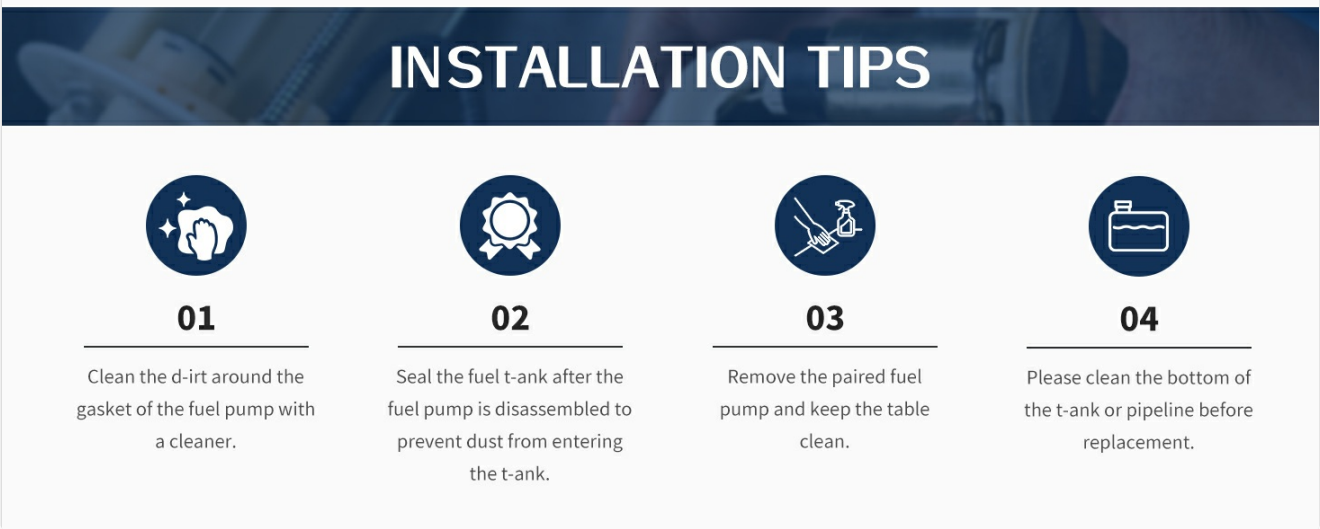


Image 3.2: Diagram illustrating four critical installation steps: cleaning the gasket area, sealing the tank, removing the old pump, and cleaning the tank/pipeline.

4. OPERATION

The ECCPP Electric Fuel Pump Module Assembly is engineered for reliable performance, providing a consistent and pressurized fuel flow to your engine's fuel injectors. This design contributes to:

- **Low Noise Operation:** Designed to operate quietly, enhancing overall driving comfort.
- **Continuous Fuel Supply:** Ensures a steady and uninterrupted flow of fuel, critical for engine performance and efficiency.
- **Optimized Fuel Consumption:** A properly functioning fuel pump contributes to efficient fuel delivery, which can help maintain optimal fuel economy.



Image 4.1: Illustrates key performance characteristics such as low oil consumption, long lifespan, and low noise operation.

The Failure of Safe Valve Cause Fuel System Pressure Decreased

Vehicle makes high pitched sound when the engine is first engaged.

ENGINE HARD TO COLDSTART



Image 4.2: A cutaway view of the ECCPP fuel pump, highlighting its internal design for high stability and use of excellent materials.

Difficulty Starting the Car

A Weakened Fuel Pump Can Cause the Vehicle to Take More Cranks to Start than Normal, and in More Serious Cases May Even Cause the Vehicle to Require Multiple Turns of the Key Before It Will Start.

LOW FUEL PRESSURE



Image 4.3: Depicts a fuel gauge before and after fuel pump replacement, suggesting improved fuel efficiency.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ECCPP Electric Fuel Pump Module Assembly, consider the following general maintenance practices:

- **Fuel Quality:** Always use high-quality fuel to prevent contaminants from entering the fuel system and potentially damaging the pump.
- **Fuel Filter Replacement:** Adhere to your vehicle manufacturer's recommended schedule for fuel filter replacement. A clogged fuel filter can put undue strain on the fuel pump.
- **Avoid Running on Low Fuel:** Regularly running your vehicle with very low fuel levels can cause the fuel pump to overheat, as fuel acts as a coolant for the pump.
- **Regular Inspections:** Periodically inspect fuel lines and connections for any signs of leaks or damage.

6. TROUBLESHOOTING COMMON ISSUES

Recognizing the signs of a failing fuel pump can help prevent further vehicle issues. Below are common indicators:

- **Difficulty Starting the Vehicle:** A weakened fuel pump may require the engine to crank more times than usual to start. In severe cases, multiple turns of the key may be needed. This can also be indicative of low fuel pressure.
- **Engine Hard to Cold Start:** A failure in the safe valve can lead to decreased fuel system pressure, resulting in a high-pitched sound from the vehicle when the engine is first engaged during a cold start.
- **Losing Power When Accelerating / Sudden Trouble Accelerating:** If the fuel pump's pumping function decreases due to internal wear or contamination (e.g., entry of filth into the pump body and impeller), you may experience a noticeable loss of power or hesitation during acceleration.
- **Buzzing When Driving:** An unusually loud buzzing or whining sound coming from the fuel tank area while driving can indicate a failing fuel pump.
- **Oil Level Display Incorrect:** If the fuel level floating arm is distorted, failed, or damaged during transportation or installation, the fuel gauge may display an inaccurate fuel level.



Image 6.1: Illustrates common symptoms of a failing fuel pump, including difficulty starting, loss of power, and unusual noises.

7. SPECIFICATIONS

Attribute	Detail
Brand	ECCPP
Model Number	170094
Compatible Part Number	E9186M
Fit Type	Vehicle Specific Fit
Vehicle Service Type	Car (Honda CR-V 2.4L, 2012-2014)
Item Dimensions (L x W x H)	13.27 x 9.99 x 7.51 inches
Material	Metal, Plastic
Item Weight	2.53 pounds (1.15 Kilograms)
Auto Part Position	Rear
Gas Type	Gasoline
Operation Mode	Electric
UPC	840342725861

8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation provided with your purchase or contact ECCPP customer service directly through their official website or the retailer where the product was purchased. Ensure you have your purchase details and product model number (170094) available when contacting support.



