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> AHL Fuel Pump Instruction Manual for Honda SH125/SH150 (2013-2016) - Models 16700-K01-D01, 16700-K01-D02

AHL AAB-65-03

AHL Fuel Pump Instruction Manual

Model: AAB-65-03 for Honda SH125/SH150 (2013-2016)

1. INTRODUCTION

This document serves as an instruction manual for the AHL Fuel Pump, model AAB-65-03. This fuel pump is designed to deliver fuel from the tank to the engine's fuel injection system, ensuring consistent performance and efficient operation of your motorcycle. It is manufactured with high-quality metallic materials for durability and wear resistance.

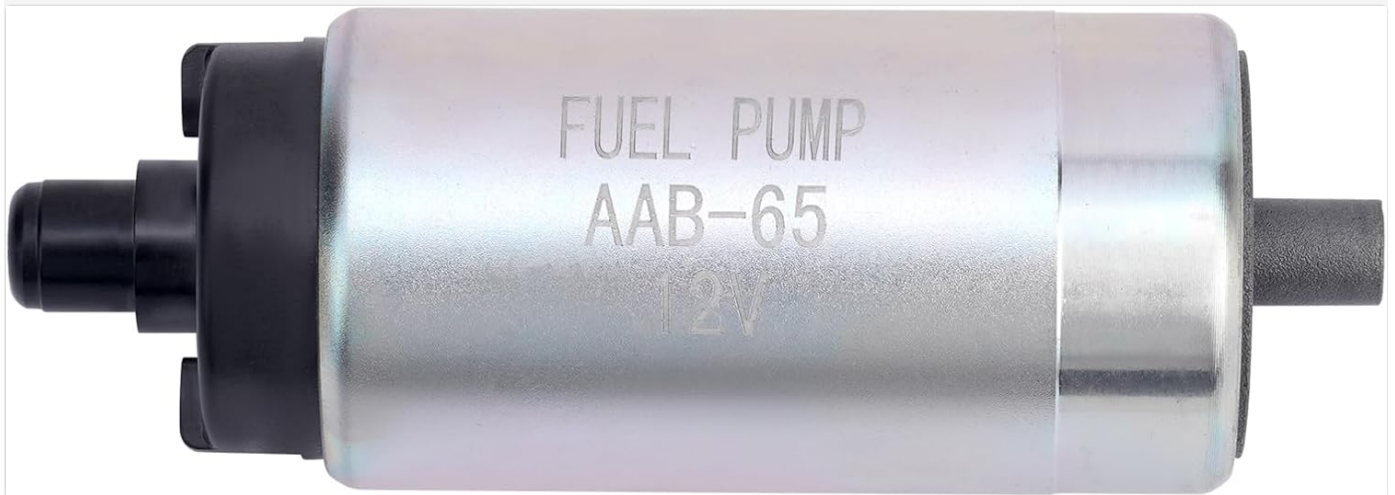


Image 1: Side view of the AHL Fuel Pump (Model AAB-65-03). This image shows the cylindrical body of the fuel pump with the "FUEL PUMP AAB-65 12V" engraving, and the inlet and outlet ports on either end.

2. COMPATIBILITY

The AHL Fuel Pump (Model AAB-65-03) is compatible with specific Honda motorcycle models and replaces the following OEM part numbers:

- **OEM: 16700-K01-D01, 16700-K01-D02**
 - Honda SH125 (Years: 2013-2016)
 - Honda SH150 (Years: 2013-2016)

- **OEM: 16700-K26-B01**
 - Honda MSX125 GROM 125 (Years: 2016-2021)
- **OEM: 16700-K0G-901**
 - Honda C125 CT125A (Years: 2019-2021)

Important: Always verify compatibility with your specific motorcycle model and year before installation.

3. SAFETY INFORMATION

Working with fuel systems requires caution. Please observe the following safety guidelines:

- Ensure the work area is well-ventilated and free from open flames, sparks, or other ignition sources.
- Disconnect the motorcycle's battery before beginning any work on the fuel system.
- Relieve fuel system pressure according to your motorcycle's service manual before disconnecting fuel lines.
- Wear appropriate personal protective equipment, including safety glasses and fuel-resistant gloves.
- Handle fuel carefully to prevent spills. Clean up any spills immediately.
- Dispose of old fuel and components responsibly according to local regulations.

4. SETUP AND INSTALLATION

Installation of a fuel pump involves working with critical motorcycle systems. **It is strongly recommended that installation be performed by a qualified professional mechanic.** Detailed specifications and specific installation instructions for your motorcycle model are not included with this product. Refer to your motorcycle's official service manual for precise, model-specific procedures.

General Installation Steps (Consult Service Manual for Details):

1. **Preparation:** Ensure the motorcycle is on a stable stand. Disconnect the battery's negative terminal. Relieve fuel system pressure.
2. **Access Fuel Tank:** Remove any body panels or seats necessary to access the fuel tank.
3. **Drain Fuel:** If necessary, drain the fuel from the tank into an approved container.
4. **Disconnect Fuel Lines and Electrical Connectors:** Carefully disconnect all fuel lines and electrical wiring connected to the fuel pump assembly. Be prepared for residual fuel leakage.
5. **Remove Old Fuel Pump:** Unfasten the retaining ring or bolts that secure the fuel pump assembly to the tank. Carefully remove the old fuel pump.
6. **Inspect and Clean:** Inspect the fuel tank interior for debris. Clean the fuel pump mounting area.
7. **Install New Fuel Pump:** Install the new AHL Fuel Pump (Model AAB-65-03) into the fuel tank, ensuring all seals and gaskets are correctly seated. Secure it with the retaining ring or bolts.
8. **Reconnect:** Reconnect fuel lines and electrical connectors. Ensure all connections are secure and free of leaks.
9. **Refill Fuel Tank:** Add a small amount of fresh fuel to the tank.
10. **Check for Leaks:** Turn the ignition key to the "ON" position (without starting the engine) to allow the fuel pump to prime. Check for any fuel leaks around the pump assembly and fuel lines.
11. **Reconnect Battery and Test:** Reconnect the battery. Start the engine and check for proper operation and any warning lights.





FUEL PUMP

AAB-65

12V



Image 2: Angled view of the AHL Fuel Pump. This perspective highlights the cylindrical shape and the electrical connector end of the pump.



Image 3: Close-up view of the fuel pump's inlet port. This shows the textured plastic cap covering the fuel intake, designed for efficient fuel flow.



Image 4: Close-up view of the fuel pump's electrical connector end. This image clearly displays the positive (+) and negative (-) terminals for electrical connection.

5. OPERATING PRINCIPLES

The AHL Fuel Pump operates mechanically to draw fuel from the motorcycle's fuel tank and deliver it under pressure to the fuel injectors. This process ensures a continuous and stable supply of fuel to the engine, which is crucial for proper combustion and engine performance. The pump is designed to maintain consistent fuel pressure, contributing to efficient fuel consumption and engine cooling.

6. MAINTENANCE

Proper maintenance of your motorcycle's fuel system can extend the life of your fuel pump. While the fuel pump itself is a sealed unit and not user-serviceable, consider the following:

- **Fuel Quality:** Always use high-quality, clean fuel. Contaminants in fuel can clog the fuel filter (if present) and strain the fuel pump.
- **Fuel Filter:** Regularly check and replace your motorcycle's fuel filter according to the manufacturer's recommendations. A clogged filter can cause the fuel pump to work harder, leading to premature failure.
- **Keep Tank Full:** Avoid consistently running your fuel tank very low. Fuel helps cool the pump, and running dry can

cause it to overheat.

- **Professional Inspection:** Have your fuel system inspected periodically by a qualified mechanic.

7. TROUBLESHOOTING

If you experience issues with your motorcycle's fuel delivery, consider these common troubleshooting points. Always consult a professional for diagnosis and repair.

- **Engine Cranks but Won't Start:**
 - Check if you can hear the fuel pump prime (a faint whirring sound) when the ignition is turned on.
 - Verify there is fuel in the tank.
 - Inspect fuel lines for kinks or damage.
- **Poor Engine Performance (Stalling, Hesitation, Loss of Power):**
 - Could indicate insufficient fuel pressure or flow.
 - Check for a clogged fuel filter.
 - Ensure no air leaks in the fuel system.
- **Unusual Noises from Fuel Tank:**
 - A loud whining or buzzing sound from the fuel pump area could indicate a failing pump or a clogged filter causing it to overwork.

Warning: Do not attempt repairs on the fuel system if you are not experienced. Fuel systems are under pressure and contain flammable liquids.

8. SPECIFICATIONS

Feature	Specification
Brand	AHL
Model Number	AAB-65-03
Operation Mode	Mechanical
Item Weight	0.18 Kilograms (approx. 6.3 ounces)
Fit Type	Vehicle Specific Fit
Vehicle Service Type	Motorcycle
Compatible OEM Part Numbers	16700-K01-D01, 16700-K01-D02, 16700-K26-B01, 16700-K0G-901

9. WARRANTY AND SUPPORT

AHL products are manufactured to high standards. If you encounter any issues or have questions regarding your AHL Fuel Pump, please contact the seller or manufacturer directly. It is recommended to do so before leaving feedback or making a complaint, as good communication can often lead to a satisfactory solution.

For further assistance, you may visit the [AHL Store on Amazon](#).

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This manual is for informational purposes only. Professional installation is recommended.