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› [Subaru](#) /

› [Genuine Subaru H001SAJ800 Remote Engine Starter Instruction Manual](#)

Subaru H001SAJ800

Genuine Subaru H001SAJ800 Remote Engine Starter Instruction Manual

Model: H001SAJ800

INTRODUCTION

This manual provides detailed instructions for the installation, programming, and operation of your Genuine Subaru H001SAJ800 Remote Engine Starter. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and safety. This system allows you to pre-heat or pre-cool your vehicle's interior without entering it, enhancing comfort in various weather conditions.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Remote Engine Starter Module
- Wiring Harnesses
- Mounting Hardware (if applicable)



Figure 1: Subaru Remote Engine Starter Main Components. This image displays the primary components of the Subaru Remote Engine Starter kit, including the main control module and a mounting bracket.



Figure 2: Subaru Remote Engine Starter Wiring Harnesses. This image shows the various wiring harnesses included with the Subaru Remote Engine Starter, designed for seamless integration into the vehicle's electrical system.

SPECIFICATIONS

Feature	Detail
Brand	Subaru
Model Number	H001SAJ800
Item Weight	1 pound (16 ounces)
Product Dimensions	9 x 6.5 x 6 inches
Voltage	12 Volts (DC)
Phase Type	Three Phase

SAFETY INFORMATION

- Always ensure the vehicle is in Park (P) and the parking brake is engaged before using the remote start function.
- Do not use the remote start in enclosed spaces, such as a garage, due to the risk of carbon monoxide poisoning.
- Keep children and pets away from the vehicle when using the remote start.
- Ensure all vehicle doors are closed and locked before initiating remote start.
- Professional installation is recommended to ensure correct wiring and functionality.

INSTALLATION

Installation of the Subaru H001SAJ800 Remote Engine Starter involves accessing the vehicle's dashboard

and steering column wiring. It is crucial to follow the specific steps for your vehicle's ignition type (Push-to-Start or Key Start).

General Disassembly Steps:

1. Turn on the vehicle's engine to allow free rotation of the steering wheel.
2. Unscrew and remove screws behind the steering wheel.
3. Use a pry tool to unsnap the lower steering wheel column cover.
4. Unsnap the instrument cluster cover and remove any connectors on its backside.
5. Remove screws on the top and bottom of the instrument cluster, then pull out the instrument cluster and disconnect its connectors.

T-Harness Connection:

The T-harness connects in-line with existing vehicle connectors. Specific connections vary by vehicle model and ignition type.

- For Push-to-Start vehicles, connections are typically made at the keyless access ECU. Remove the top 30-pin connector and the bottom 28-pin connector from the module, then plug the T-harness labeled 'A' and 'B' in-line respectively.
- For Key Start vehicles, remove the white 8-pin connector from the ignition switch and plug the T-harness in-line. Connect the grounding ring to the vehicle's chassis using a metal screw.
- Locate the vehicle's fuse box under the driver's side dash. Remove the white and brown connectors to access required connections.

Installation Type Determination (Key Start Specific):

For Key Start vehicles, there are two possible installation methods based on the 20-pin gray connector on the back of the fuse box:

- **Installation Type 1:** If pin number 14 (blue and white wire) is populated, only the immobilizer T-harness will be used. Plug the immobilizer T-harness into the black connector on the main T-harness.
- **Installation Type 2:** If pin number 14 is unpopulated, only the immobilizer cable will be used. Locate the red and white wire at pin number 36 on the 84-pin junction connector behind the fuse box. Cut this wire in the middle, strip back the jacket, and connect the yellow wire from the immobilizer cable to the vehicle side of the red and white wire, and the red wire from the immobilizer cable to the connector side. Cover exposed wires with electrical tape. Plug the immobilizer cable into the black connector on the main T-harness.

Use the provided zip ties to secure the module and wiring, ensuring no components interfere with moving parts or pedals.

Video 1: Subaru Push-to-Start Remote Start Installation. This video provides a detailed guide on the installation process for the remote engine starter in select Subaru vehicles equipped with Push-to-Start ignition. It covers vehicle disassembly, T-harness installation, and reassembly.

Video 2: Subaru Key Start Remote Start Installation. This video demonstrates the installation of the remote engine starter for select Subaru vehicles with traditional key start ignition. It includes steps for accessing wiring, connecting the T-harness, and securing components.

PROGRAMMING

The remote engine starter module may require flashing or updating to ensure compatibility and optimal performance with your specific vehicle. This process typically involves using a computer and a specialized USB interface.

Module Flashing Steps:

1. Create an account on the manufacturer's website (e.g., compustar.idatalink.com).

2. Dock the Blade module into the Compustar controller.
3. Connect the ADS-USB cable to your computer's USB port.
4. Use the iDatalink module cable to connect the controller to the ADS-USB.
5. Launch the web updater tool on the manufacturer's website.
6. Select your vehicle's year, make, and model.
7. Flash the module with the appropriate firmware. You may also configure features or load default settings.
8. Download the installation guide provided by the site for specific vehicle wiring diagrams.

Video 3: iDatalink BLADE Module Flashing. This video illustrates the process of flashing and updating the iDatalink BLADE remote start/security bypass module using a computer and the ADS-USB cable. It covers account creation, hardware detection, and firmware selection.

OPERATING INSTRUCTIONS

The Subaru H001SAJ800 Remote Engine Starter integrates with your vehicle's existing factory security/keyless entry system, utilizing your Smart Key fob for operation.

To Remote Start Your Vehicle:

1. Ensure all vehicle doors are closed and locked.
2. Press the 'Lock' button on your OEM key fob three (3) times consecutively.
3. The engine will start, and the vehicle's preset air conditioner, heater, defogger, defroster, and temperature settings will activate.

To Enter the Vehicle After Remote Start:

1. Press the 'Unlock' button on your OEM key fob once.
2. Enter the vehicle.
3. Without pressing the brake pedal, press the vehicle's Push-to-Start button once to take over the ignition.
4. Shift the vehicle into gear and drive.

Video 4: Compustar Remote Start Warm-Up & Cool-Down. This short video demonstrates the convenience of using a Compustar long-range remote starter to pre-warm or pre-cool a vehicle, ensuring comfort in various weather conditions.

MAINTENANCE

The Remote Engine Starter requires minimal maintenance. Periodically check all wiring connections to ensure they are secure. Keep the module free from moisture and extreme temperatures. If you experience any issues, consult the troubleshooting section or a qualified technician.

TROUBLESHOOTING

- **Remote Start Fails to Activate:** Ensure vehicle doors are fully closed and locked. Check the key fob battery. Verify the vehicle is in Park.
- **Engine Shuts Off After Entry:** Ensure the Push-to-Start button is pressed once without the brake pedal before pressing the brake and shifting into gear.
- **System Not Responding:** Check all T-harness connections for proper seating. Ensure the module has been correctly programmed for your vehicle.
- For persistent issues, contact your authorized Subaru dealer or a certified automotive electronics

technician.

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact your authorized Subaru dealer. For technical support or further assistance, please reach out to the product manufacturer or your installer.