Start-X N7-O

Start-X Remote Starter N7-O Instruction Manual

For 2022 & 2023 Mitsubishi Outlander

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of the Start-X Remote Starter, model N7-O. This system allows you to remotely start your 2022 or 2023 Mitsubishi Outlander using your existing factory key fob, enhancing comfort by pre-conditioning your vehicle's interior.

Image 1.1: Start-X Remote Starter packaging and compatible vehicle.

2. PRODUCT FEATURES

- **Plug N Play Installation:** Designed for a simplified installation process with no wire cutting or splicing required.

- **Factory Remote Integration:** Utilizes your vehicle's existing factory key fob for remote start functionality.

- **T-Harness System:** Includes a specialized T-harness for direct connection to factory wiring.

- **North American Design:** The remote start module is designed and manufactured in North America.

Image 2.1: The Start-X module and T-harness for plug-and-play installation.

3. COMPATIBILITY AND VEHICLE REQUIREMENTS

3.1 Compatible Vehicles

This Start-X Remote Starter (Model N7-O) is compatible with the following vehicles:

- **2022 Mitsubishi Outlander**
- **2023 Mitsubishi Outlander**

Important: This kit is NOT compatible with the Mitsubishi Outlander Sport model.

3.2 Vehicle Requirements

Your vehicle must meet the following criteria for proper operation:

- **Automatic Transmission:** The remote starter is designed for vehicles with automatic transmissions only.
- **Push-To-Start Ignition:** Compatible only with vehicles equipped with a push-button start system.
- **Gasoline Fuel Type:** Designed for gasoline-powered vehicles.

Image 3.1: Visual representation of vehicle compatibility requirements.

4. WHAT'S IN THE BOX

Upon opening your Start-X Remote Starter package, you should find the following components:

- **Remote Start Module:** The main control unit for the system.
- **Vehicle Connection Harness:** Pre-wired harness for connecting the module to your vehicle's electrical system.
- **Pry Tool:** A plastic tool to assist in safely removing interior trim panels.
- **Zip Ties:** For securing wiring and the module after installation.
- **Install Guide:** A printed guide for installation.
- **Welcome Card:** General product information.
- **Warning Sticker:** For safety notices.

Image 4.1: All components included in the Start-X Remote Starter kit.

5. Setup and Installation

The Start-X Remote Starter is designed for a plug-and-play installation. No wire cutting or splicing is required. It is recommended to watch the official installation video for your specific vehicle model before beginning the installation process. Search for "Start-X Mitsubishi Outlander Remote Start Installation" on video platforms for visual guidance.

5.1 General Installation Steps

1. **Access Vehicle Wiring:** Carefully remove the necessary interior trim panels to access the vehicle's wiring harness. Use the provided pry tool to prevent damage.

2. **Connect T-Harness:** Locate the designated factory connectors and connect the Start-X T-harness. Ensure all connections are fully seated and secure.

3. **Program the Module:** Follow the specific programming instructions provided in the included Install Guide. This typically involves a sequence of button presses and observing LED indicators on the module.

4. **Secure Components:** Once programmed and tested, use the provided zip ties to secure the remote start module and all wiring, ensuring they are clear of moving parts and not pinched.

5. **Reinstall Trim Panels:** Carefully reattach all removed interior trim panels.
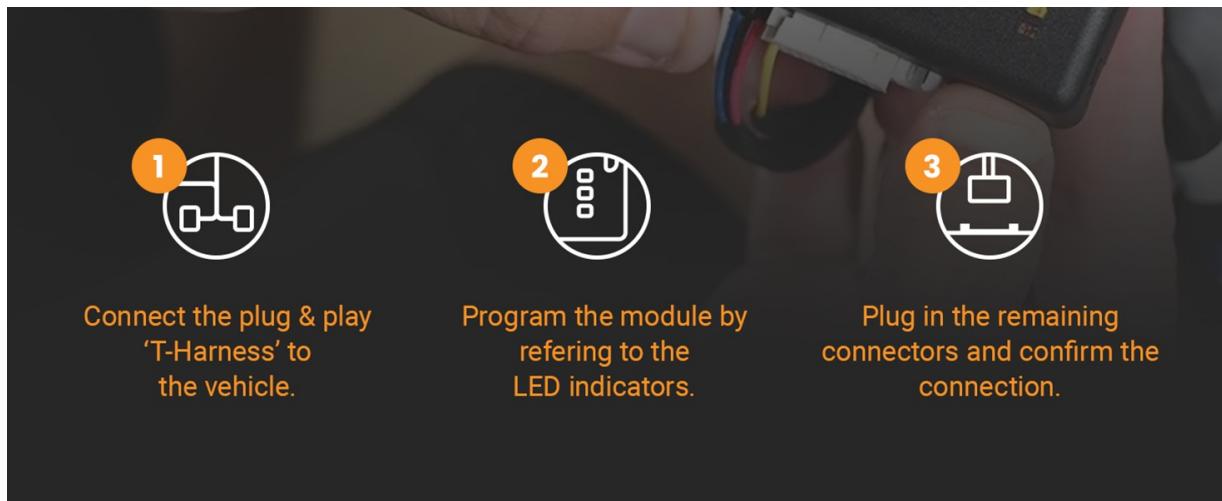
Image 5.1: Simplified installation steps for the remote start module.

6. OPERATING INSTRUCTIONS

6.1 Remote Starting Your Vehicle

To remote start your Mitsubishi Outlander:

1. Ensure your vehicle is locked.
2. Press the **Lock button** on your factory key fob three (3) times consecutively.
3. The vehicle's parking lights will flash, and the engine will start.

The remote start function will typically run for a preset duration (e.g., 10-15 minutes) before automatically shutting off. You can extend this time by repeating the remote start sequence.

Image 6.1: The remote starter operates using your vehicle's original key fob.

6.2 Remote Shutting Off Your Vehicle

To remotely shut off your vehicle after it has been remote started:

- Press the **Lock button** on your factory key fob three (3) times consecutively.

6.3 Important Operating Notes

- **Operating Range:** The effective range for remote starting is the same as the range for locking/unlocking your vehicle with the factory key fob. Test your key fob's range to understand the remote start's operational distance.

- **Driving Requirement:** After two consecutive remote starts, the vehicle must be driven (i.e., the ignition turned on with the key, and the vehicle put into gear) before the remote start function can be used again. This is a safety feature.

- **Horn Honk:** Depending on your vehicle's settings, pressing the lock button three times may result in multiple horn honks. This is a normal indication of the remote start command being received.

Image 6.2: Remote start provides comfort in various weather conditions.

7. TROUBLESHOOTING

If you encounter issues with your Start-X Remote Starter, please review the following common troubleshooting steps:

Problem	Possible Cause	Solution
Remote start does not activate.	Incorrect button sequence. Vehicle not locked. Module not properly programmed. Loose connections. Vehicle driven less than two times since last remote start.	Ensure you press the lock button 3 times consecutively. Verify all doors, hood, and trunk are closed and locked. Re-attempt the programming sequence as per the Install Guide. Check all T-harness connections for full seating. Drive the vehicle normally, then attempt remote start again.

Problem	Possible Cause	Solution
Engine starts but immediately shuts off.	Low fuel level. Vehicle security system interference.	Ensure the fuel tank has more than 1/4 tank of fuel. Verify all connections are secure and the module is correctly programmed.
Remote start range is poor.	Environmental interference or key fob battery.	Test your factory key fob's normal range. Replace key fob battery if necessary. Avoid areas with high electromagnetic interference.

If these steps do not resolve the issue, please contact Start-X technical support for further assistance.

8. SPECIFICATIONS

Attribute	Detail
Model Number	N7-O
Manufacturer	Start-X
Item Weight	11.3 ounces
Package Dimensions	8.19 x 4.17 x 2.32 inches
Compatibility	2022 & 2023 Mitsubishi Outlander (Automatic Transmission, Push-To-Start, Gas Only)

9. WARRANTY AND SUPPORT

For warranty information regarding your Start-X Remote Starter, please refer to the documentation included in your product package or visit the official Start-X website.

Start-X provides technical support with agents located in the USA, offering assistance in English. For support inquiries, please refer to the contact information provided in your product documentation or on the Start-X website.

Related Documents - N7-O

Fortin EVO-ONE Remote Starter Installation Guide for Nissan Rogue & Mitsubishi Outlander
This guide provides installation instructions, wiring diagrams, and programming procedures for the Fortin EVO-ONE remote starter module, compatible with Nissan Rogue (2021+) and Mitsubishi Outlander (2022+) push-to-start vehicles. It details bypass options, mandatory components, and remote starter functionality.

[Fortin EVO-ONE Remote Starter Installation Guide for Nissan Rogue & Mitsubishi Outlander](#)
Installation guide for the Fortin EVO-ONE remote starter module, covering regular installation with 7 BCM connectors for Nissan Rogue (2024) and Mitsubishi Outlander (2025). Includes wiring diagrams, programming procedures, and functionality details.

[Fortin EVO-ALL Remote Starter Installation Guide for Nissan Rogue and Mitsubishi Outlander](#)
Comprehensive installation guide for the Fortin EVO-ALL remote starter module, detailing wiring connections, programming procedures, and remote starter functionality for Nissan Rogue (2024) and Mitsubishi Outlander (2025) vehicles.

[Fortin EVO-ALL Installation Guide for Mitsubishi Outlander PHEV (2024-2025)](#)
Comprehensive installation and programming guide for the Fortin EVO-ALL remote starter and bypass module for the Mitsubishi Outlander PHEV (2024-2025) with Push-to-Start ignition.
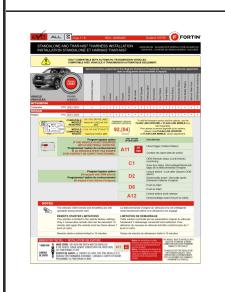
[Fortin EVO-ALL Installation Guide for Mitsubishi Outlander and Nissan Rogue](#)
Comprehensive installation guide for the Fortin EVO-ALL remote starter and bypass module, covering standalone and THAR-NIS7 harness installations for select Mitsubishi Outlander and Nissan Rogue models with automatic transmissions. Includes wiring diagrams, programming procedures, and functionality details.
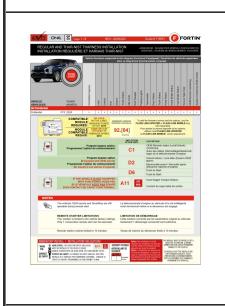
[Fortin EVO-ONE and THAR-NIS7 Harness Installation Guide for Mitsubishi Outlander](#)
This guide provides detailed instructions for installing the Fortin EVO-ONE remote starter and THAR-NIS7 harness system in a Mitsubishi Outlander. It covers wiring connections, programming procedures, supported functions, and remote starter functionality.

Documents - Start-X – N7-O
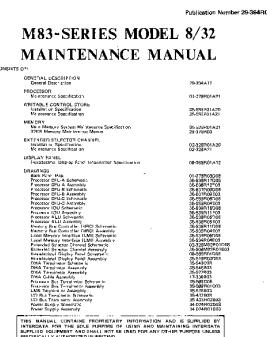
[pdf] User Manual Specifications

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Publication Number 29-394R02 M83-SERIES MODEL. 8/32 MAINTENANCE MANUAL CONSISTS OF: GENERAL DESCRIPTION General Description PROCESSOR Maintenance Specification WRITABLE CONTROL STORE Installation Specification Maintenance Specification MEMORY Main Memory System Maintenance Specification 32KB Memo...

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Test Aid schematic 35-612 is in this document after "Display Panel" Section.

QUICK REFERENCE INDEX

To aid in quickly locating a particular section, the index marks on the edge of this page are aligned with similar marks on the first page of each section.

[Perkin-Elmer M83 Series 8/32, 8/32C, and 8/32D Processors Maintenance Manual](#)
This manual provides detailed information for operating, installing, and maintaining the Perkin-Elmer M83 Series 8/32, 8/32C, and 8/32D Processors, covering their architecture, block diagrams, part numbering system, and technical specifications.
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Test Aid schematic 35-612 is in this document after "Display Panel" Section.

PROCESSOR
Test Aid Control, 5.9 (Pg 43)

MEMORY

DISPLAY PANEL

DRAWINGS