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Ariens 7210400

Ariens Genuine OEM Handwarmer Kit 7210400 Instruction Manual

For 2011 & UP Compact Deluxe Snow Blowers

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1. INTRODUCTION

This manual provides instructions for the proper installation and operation of the Ariens Genuine OEM Handwarmer Kit, model 7210400. This kit is designed to enhance user comfort during cold weather operation of compatible Ariens snow blowers by providing heated hand grips. Please read this manual thoroughly before installation and use to ensure safe and effective operation.

2. SAFETY INFORMATION

WARNING: Failure to follow instructions could result in personal injury and/or damage to the unit. Read, understand, and follow all safety practices in your snow blower's Owner/Operator Manual and all instructions provided with this kit. No exceptions.

General Safety Precautions:

- Always wear appropriate personal protective equipment (PPE), including gloves and eye protection, during installation.
- Ensure the snow blower engine is off, the spark plug wire is disconnected, and the machine is cool before performing any installation or maintenance.
- Disconnect the battery (if applicable) before working on electrical components to prevent electrical shock or short circuits.
- Use only genuine Ariens replacement parts and accessories.
- Keep hands, feet, and clothing away from moving parts.
- Do not operate the snow blower with damaged or improperly installed components.
- If you are unsure about any step, consult a qualified service technician.

3. PACKAGE CONTENTS

The Ariens Genuine OEM Handwarmer Kit 7210400 includes the following components:

- Two (2) Heated Hand Grips
- One (1) Wiring Harness
- One (1) On/Off Switch
- Installation Hardware (e.g., zip ties, connectors)



Figure 3.1: Front of the Ariens Handwarmer Kit 7210400 packaging. The box is orange with the Ariens logo and 'HANDWARMER KIT' prominently displayed.



Figure 3.2: Back of the Ariens Handwarmer Kit 7210400 packaging. This view lists the benefits, contents, and a safety warning, along with a small image of the switch and wiring.

4. COMPATIBILITY

This handwarmer kit (OEM# Ariens 7210400) is compatible with the following Ariens snow blower models:

- 920013
- 920014
- 921022
- 921023 (serial #35000 and up)
- All serial numbers for models: 920021, 920022, 920316, 920317, 920318, 921048, 920321, 921023, 921024, 921030, 921031, 921032, 921035, 921037, 921044, 921045, 921314, 921318, 921319, 921320, 921321, 921044

Please verify your snow blower model and serial number to ensure proper fitment before installation.

5. SETUP & INSTALLATION

The installation process involves replacing existing hand grips, routing wiring, and installing an on/off switch. Refer to your snow blower's owner's manual for specific handlebar removal and access procedures.

Installation Steps:

1. **Prepare the Snow Blower:** Ensure the snow blower is turned off, the engine is cool, and the spark plug wire is disconnected to prevent accidental starting. Disconnect the battery if your model has one.
2. **Remove Old Grips:** Carefully remove the existing hand grips from the handlebars. This may require cutting them off or using compressed air to loosen them.
3. **Prepare Handlebars:** Clean the handlebar surfaces where the new grips will be installed. Some installations may require drilling a 1/2 inch hole in the handlebars for wiring passage. Consult the detailed instructions provided with your kit for exact drilling locations.
4. **Install Heated Grips:** Apply a suitable handlebar grip adhesive (not always included, may need to be purchased separately) to the inside of the new heated grips and slide them onto the handlebars. Ensure they are fully seated and oriented correctly. A rubber mallet or a piece of wood and a steel hammer may be used to gently tap them into place. Allow the adhesive to cure as per its instructions.
5. **Route Wiring Harness:** Connect the wiring from the heated grips to the main wiring harness. Carefully route the wiring harness along the snow blower frame, securing it with zip ties to prevent interference with moving parts, levers, or pinch points. Ensure the wiring is protected from heat, sharp edges, and abrasion.
6. **Install On/Off Switch:** Mount the on/off switch in a convenient and accessible location on the snow blower's control panel or handlebar, as specified by the kit's instructions. Connect the switch to the wiring harness.
7. **Connect to Power:** Connect the main wiring harness to the snow blower's electrical system as directed by the kit's instructions. This typically involves connecting to a designated power source on the engine or control panel.
8. **Test Functionality:** Reconnect the spark plug wire and battery (if disconnected). Start the snow blower and test the handwarmers by activating the on/off switch. The grips should begin to warm up.
9. **Final Inspection:** Turn off the snow blower. Double-check all connections, wiring routes, and mounting points to ensure everything is secure and free from potential hazards.

6. OPERATION

Once installed, operating the Ariens Handwarmer Kit is straightforward:

- Start your snow blower as per its operating manual.
- Locate the on/off switch for the handwarmers.
- Flip the switch to the 'ON' position to activate the heating elements in the grips. The grips will begin to warm up, providing comfort during cold weather operation.
- Flip the switch to the 'OFF' position when handwarmers are no longer desired or when turning off the snow blower.

Note:

- The handwarmers are designed to provide a comfortable level of heat. They may get quite warm, especially in milder temperatures.
- Always turn off the handwarmers when the snow blower is not in use to conserve power and prevent unnecessary wear.

7. MAINTENANCE

The Ariens Handwarmer Kit requires minimal maintenance. Regular inspection is key to ensuring continued performance and safety.

- **Regular Inspection:** Periodically inspect the heated grips, wiring harness, and switch for any signs of wear, damage, fraying, or loose connections.
- **Cleaning:** Keep the grips and switch clean from dirt, snow, and debris. Use a damp cloth for cleaning; avoid harsh chemicals or abrasive cleaners.
- **Wiring Security:** Ensure all wiring remains securely fastened and routed away from moving parts or heat sources. Replace any damaged zip ties.
- **Grip Adhesion:** Check that the grips remain firmly attached to the handlebars. If they become loose, re-secure them with appropriate adhesive.
- **Storage:** When storing the snow blower for extended periods, ensure the handwarmers are turned off.

8. TROUBLESHOOTING

If your Ariens Handwarmer Kit is not functioning as expected, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Handwarmers do not heat up	<ul style="list-style-type: none"> • Switch is OFF • Loose wiring connection • Blown fuse (if applicable) • Faulty heating element 	<ul style="list-style-type: none"> • Ensure switch is ON • Check all wiring connections for tightness • Inspect for a blown fuse in the snow blower's electrical system (consult snow blower manual) • Contact Ariens support for further diagnosis
Grips are too hot or not hot enough	<ul style="list-style-type: none"> • Normal operation (temperature varies with ambient conditions) • Improper installation (e.g., lack of insulation) 	<ul style="list-style-type: none"> • This kit typically has one heat setting. Consider wearing thinner/thicker gloves. • Ensure proper insulation if recommended by the kit instructions.
Switch not working	<ul style="list-style-type: none"> • Loose connection • Damaged switch 	<ul style="list-style-type: none"> • Check switch wiring connections • Replace the switch if damaged

If these steps do not resolve the issue, contact Ariens customer support or a certified service technician.

9. SPECIFICATIONS

- **Model Number:** 7210400
- **Kit Includes:** Two heated hand grips, wiring harness, on/off switch
- **Approximate Package Dimensions:** 9 x 7 x 7 inches
- **Approximate Item Weight:** 1 pound
- **Manufacturer:** Ariens

10. WARRANTY & SUPPORT

For specific warranty information regarding your Ariens Genuine OEM Handwarmer Kit 7210400, please refer to the documentation included with your purchase or visit the official Ariens website. Warranty terms typically cover manufacturing defects for a specified period.

For technical assistance, replacement parts, or warranty claims, please contact Ariens customer support directly:

- **Ariens Official Website:** www.ariens.com
- Consult your snow blower's owner's manual for additional contact information or authorized service centers.