



Service Kit 753-05762A

Date: May 20, 2009
Subject: Heated Hand Grip Accessory
Models Affected: 2009 and later Models Equipped With MTD Engines with Electric Starters and Deluxe Plastic Handle (Dash) Panels and 1" Mule Style Handles as Shown in Figure 1.
See PURPOSE section below for additional compatibility requirements

Read through and understand these instructions completely before proceeding with repair.

PURPOSE: This kit supplies components required to add heated hand grips to compatible snow throwers that have the "Heater Grip Ready" option. Compatible snow throwers will have engines with a dual 3A/5A or 20W/20W split alternator output lead coming from under the engine's blower housing.

NOTE: These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.

NOTE: Save this Instruction Sheet. Refer to it when ordering replacement parts.

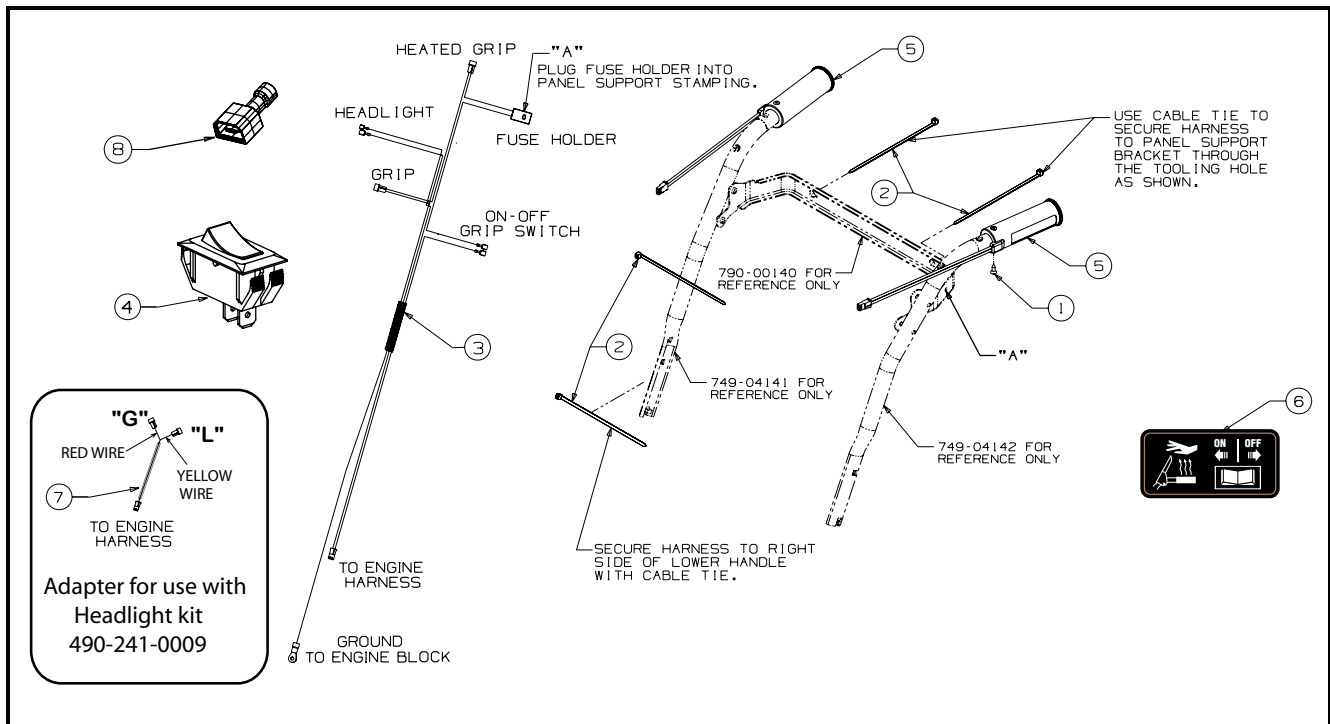


FIGURE 1

Service Kit Contents (See Figure 1)

* - Not Available Separately

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	710-0837	4	SCREW: AB: #10-16 x .63: OVALCSK
2	725-0157	6	CABLE TIE: 3/16" x .05" x 7.4"
3	725-04694A	1	HARNESS: HEATED GRIP (W/O DIODE)
4	725-04393	1	SWITCH: ROCKER
5	725-1757	2	GRIP: HEATED
6	777123013	1	LABEL: SNOW: HEATED HANDLE
7	725-04878	1	HARNESS: JUMPER: SNOW ACCESSORY
8	725-04720	1	TERMINAL: INSULATOR
9	*	1	THIS INSTRUCTION SHEET

Pre-service Preparation:

NOTE: Reference to left, right, forward and rear are from the operator's position behind the handles facing towards the engine.

1. Place the snow thrower on a flat and level surface.
2. Disconnect the spark plug wire from the spark plug. Ground the spark plug wire to the engine block.

Heated Grips Installation:

3. Remove and discard the rubber hand grips (if so equipped) from both upper handles.
4. If so equipped, remove the small "E" clip from the 3/16" pin retaining the clutch lock trigger to the clutch lock handle assembly for the left and right handles. Remove the pin and allow the trigger to slide out of the clutch lock handle assembly. See Figure 2.
5. Slip one Heated Grip, Item 5, onto the right handle bar with the wires to the outside of the handle bar. Secure with two self tapping Screws, Item 1, from top and bottom of grip. See Figure 2. Reconnect the clutch lock trigger removed in Step 4.

NOTE: Route wires under the handle panel as shown in Figure 2. Ensure wires will not come in contact with any moving parts.

6. Repeat Step 5 for the left handle bar.

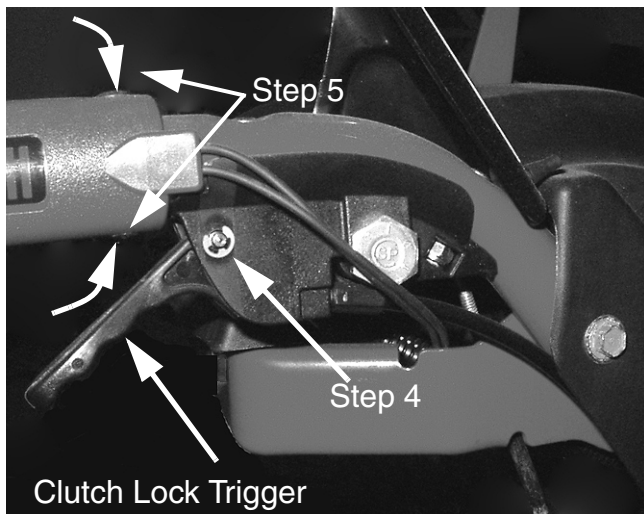


FIGURE 2

7. Headlight Wire Harness (if so equipped) - Carefully disconnect the existing headlight wire harness from the engine's alternator output harness connector, the ground screw on the engine block and the headlight. Cut any tie wraps securing the headlight harness. Remove and discard the headlight harness.

Wire Harness Installation:

8. Familiarize yourself with the style of connectors on the heater grips, engine alternator output harness, headlight, the new Rocker Switch, Item 4, and the new Harness, Item 3. See Figure 4.

There are 3 scenarios that this service kit is applicable to. Each scenario requires a slightly different harness installation procedure. Proceed to the installation instructions for your scenario as listed below.

A. Snow thrower came with a factory installed headlight and you are installing heated hand grips.

B. Snow thrower did not come with a factory installed headlight and you are only installing heated hand grips.

C. Snow thrower did not come with a factory installed headlight and you are installing both the headlight accessory, 490-241-0009, and heated hand grips accessory.

A. New Harness Installation

NOTE: Jumper Harness, Item 7, and Insulator Terminal, Item 8, are not required for option "A" installation. Retain the Jumper Harness for future upgrade.

9. Connect the new Heated Grip Harness, Item 3, alternator connector to the mating connector from the engine's alternator output harness. Attach the green ground wire to an accessible engine block screw on the right hand side of the engine block. See Figure 3 for typical ground connection point at starter housing attaching screw.

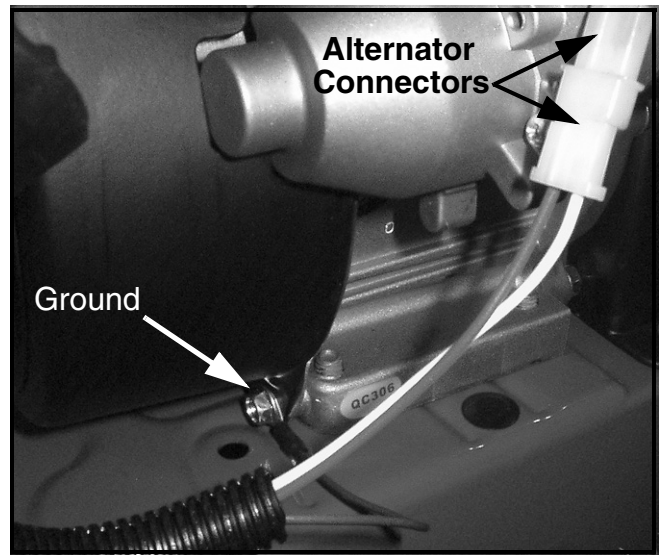


FIGURE 3

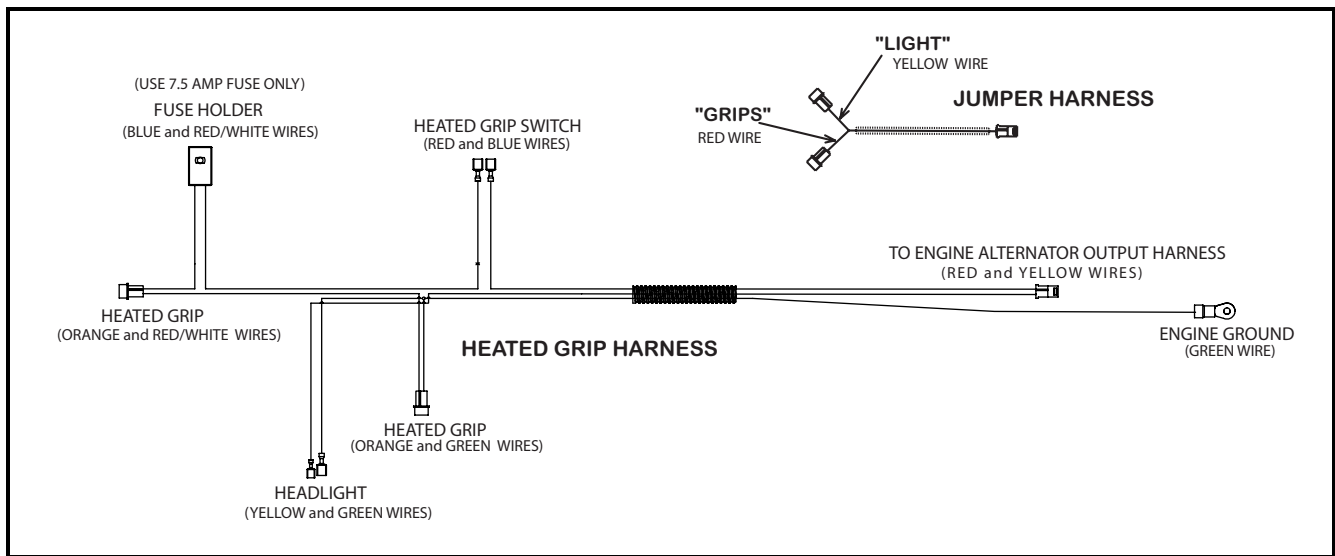


FIGURE 4

10. Route the harness up the right handle and then along the inside of the panel support bracket. Ensure that no part of any wire can come in contact with moving parts. See Figure 5.

16. Connect the two heated hand grip wires to the Rocker Switch, Item 4. Install the switch into the rectangular hole as shown in Figure 6. It does not matter which wire goes to which terminal on the switch.

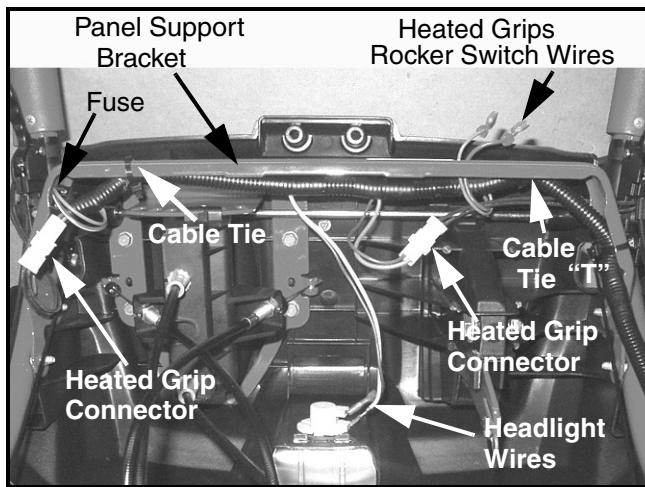


FIGURE 5

11. Use Cable Ties, Item 2, to secure harness to the right hand handle and panel support bracket. One tie should go through the left and right side holes in the panel support bracket. See Figures 5 and 6.

12. Connect the right and left Heated Grip leads to the mating connectors of the harness.

13. Connect the two leads to the headlight.

14. Locate the rectangular hole in the panel support bracket (metal) under the plastic panel.

15. Route the two wires (red and blue) for the heated hand grip switch through the rectangular hole in the panel support bracket. See Figure 5.

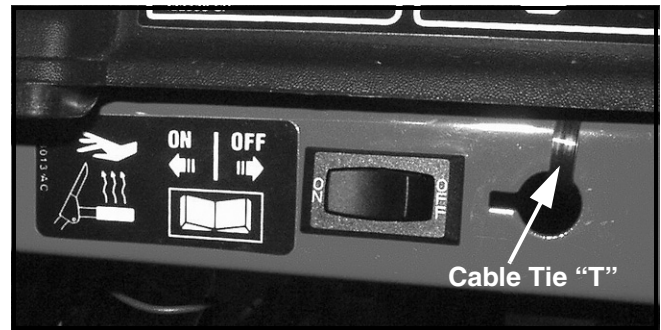


FIGURE 6

17. Clean the panel to the left of the rocker switch from grease, oil and dirt. Apply Label, Item 6, as shown. See Figure 6.

18. Install fuse holder into the hole on the left side of the metal panel support bracket. See Figure 5.

19. Inspect main harness and separate wire routings to ensure that no wire will come in contact with moving parts or be pinched by moving parts.

20. Start unit and test headlight and heated grips rocker switch operation.

21. This completes the installation of the Heated Hand Grips Accessory.

See page 4 for
“B” and **“C”** New Harness Installation
 instructions.

B. New Harness Installation

NOTE: Jumper Harness, Item 7, is not required for option “B” installation. Insulator Terminal, Item 8, is required for option “B”. Retain the Jumper Harness for future upgrade.

22. Follow the new harness installation instructions for option “A” Steps 9 through 12.

23. At the headlight leads (green and yellow wires) coming from the new harness, install the Insulator Terminal, Item 8, onto the bare spade terminal on the yellow wire.

24. Using a Cable Tie, Item 2, neatly wrap up the two unused main harness headlight wires and secure to the main harness.

NOTE: Ensure that neither of the unused headlight wires can come in contact with moving parts or be pinched by moving parts.

25. Follow the main harness installation instructions for option “A” Steps 14 through 21.

C. New Harness Installation

NOTE: Jumper Harness, Item 7, and Insulator Terminal, Item 8, are required for option “C” installation.

26. Connect the single connector end of the Jumper Harness, Item 7, to the engine’s alternator output harness.

27. Connect the new Heated Grip Harness, Item 3, alternator connector to the mating connector of the Jumper Harness with the red wire. See Figure 4. Attach the green ground wire to an accessible engine block screw on the right hand side of the engine block. See Figure 3 for typical ground connection point at starter housing attaching screw.

28. Follow the new harness installation instructions for option “A” Steps 10 through 12.

29. At the headlight leads (green and yellow wires) coming from the new harness, install the Insulator Terminal, Item 8, onto the bare spade terminal with the yellow wire.

30. Using a Cable Tie, Item 2, neatly wrap up the two unused main harness headlight wires and secure to the main harness.

NOTE: Ensure that neither of the unused headlight wires can come in contact with moving parts or be pinched by moving parts.

31. Follow the main harness installation instructions for option “A” Steps 14 through 19.

32. When installing Light Kit 490-241-0009, the white 2 pin connector from the lamp housing plugs into the Jumper Harness connector with the yellow wire. See Figure 4.

The green ground lead from the Light attaches to the same point on the engine as the Heated Grip Harness ground lead.

33. Start unit and test headlight and heated grips rocker switch operation.

34. This completes the installation of the Heated Hand Grips Accessory.