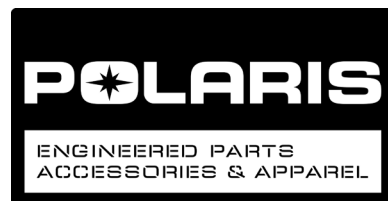


PASSENGER HAND WARMER KIT



P/N 2879840

APPLICATION

LOCK AND RIDE CONVERTIBLE PASSENGER SEAT

BEFORE YOU BEGIN

Read these instructions thoroughly and make sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

IMPORTANT: For best results, it is strongly recommended that this kit be installed by an authorized Polaris dealer.

KIT CONTENTS

| Qty | Part Description | Part Number |
|-----|---------------------------------|------------------|
| 2 | Heater, Grip, Low/Medium/High | 2413099 |
| 2 | Handgrip | 5414695-070 |
| 1 | Harness Convertible Seat | 2412748 |
| 1 | Harness Power, Convertible Seat | 2412749 |
| 1 | Passenger Heater Switch | 4011319 |
| 8 | Panduit | 7080138 |
| 2 | Templates | See instructions |
| 2 | Wire Clamp | 7080683 |
| 1 | Instructions | 9924352 |

TOOLS NEEDED

| | | |
|--------------------------------|--------------|----------------|
| Torx Wrench (T-27, T-30, T-41) | 10 mm Wrench | Side Cutter |
| Scissors | Pliers | 7/16" Wrench |
| Electrical Tape | Tape | Compressed Air |

APPROXIMATE ASSEMBLY TIME

120 mins

IMPORTANT

Your Polaris PASSENGER HAND WARMER KIT is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

INSTALLATION INSTRUCTIONS

1. Remove the armrest covers by removing the six Torx head screws. Remove the passenger handgrips by cutting.
2. Remove the back plastic cover of the seat by removing the four Torx head screws.
3. Route individual hand warmer wires by starting at the forward bottom slot as shown in Figure 1a and threading them through the tube to the holes in the rear of the armrest.

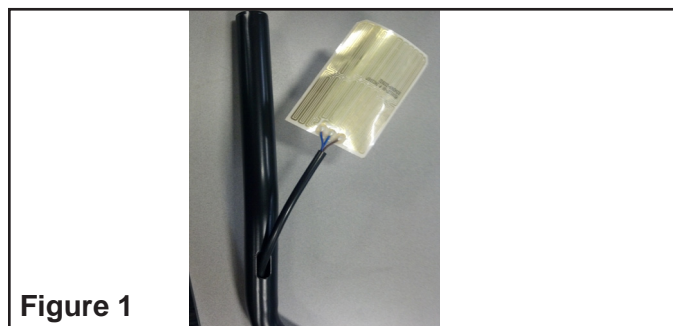


Figure 1

- Remove the two 6 mm nuts as shown in Figure 1. Route the wire harness (PN 2412748) using wire clamps (PN 7080683) and fasten the nuts back on. Figure 1a.

NOTE: Torque to 4 - 6 ft. lbs. (5.42 - 8.13 Nm).

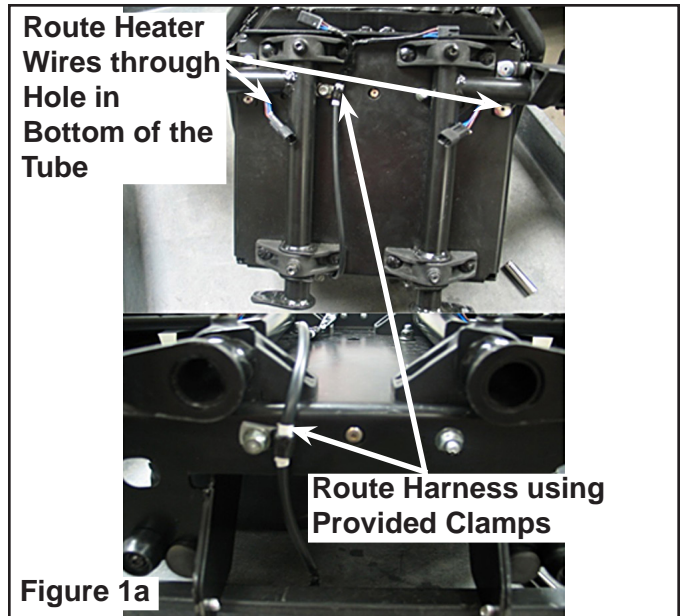


Figure 1a

- After pulling the wires through, plug the wires into their respective holes in the supplied connector and install the gray clip into the connector. Figure 2.

| | |
|---|----------|
| A | Brown |
| B | Blue/Red |
| C | Blue |

NOTE: The connector is marked "A", "B", and "C". Insert the wires into the indicated slots as listed in the chart. Figure 2a.

- Peel off the hand warmer backing and stick them to the handlebars so that the wires are on the bottom side of the bar. Install handgrips over the grip heaters so that they are flush with the end of the handlebar.
- Plug in the connectors to the respective connectors on the harness (PN 2412748).
- Replace the back plastic cover ensuring that the cover engages the seat base and torque the four Torx head screws to 24 - 30 in. lbs. (2.71 - 3.38 Nm). Replace the handlebar covers and torque the six Torx head screws to 4 - 6 ft. lbs. (5.42 - 8.13 Nm).
- Remove both the side panels on the vehicle.
- Remove the hood.
- Remove the nut holding choke cable on to the console (550).
- Pull start rope out and tie a loop in rope by recoil. Untie the knot from rope in recoil handle. Make sure loop in rope is sound so that the recoil rope does not retract inside the recoil.

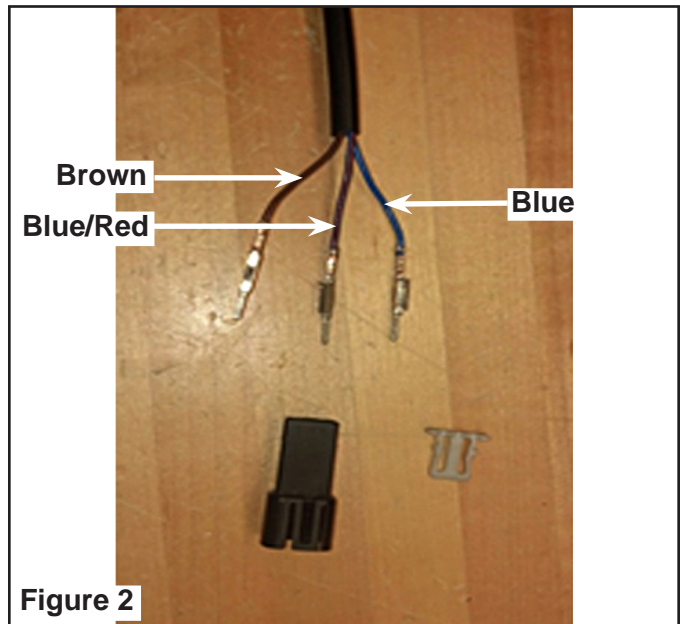


Figure 2

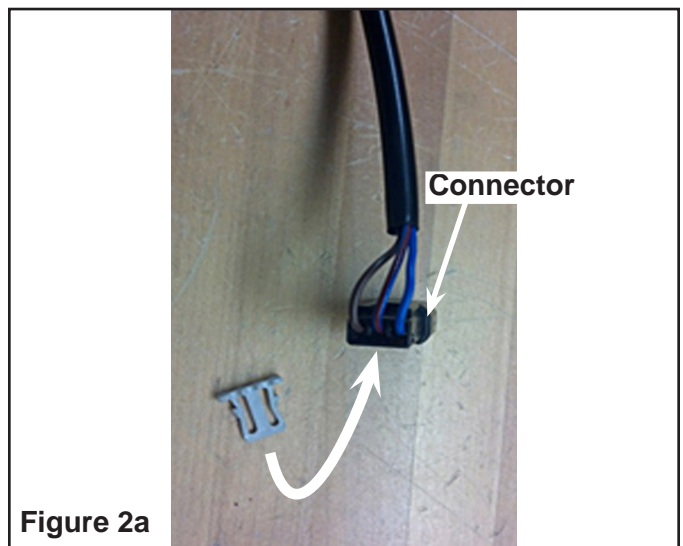
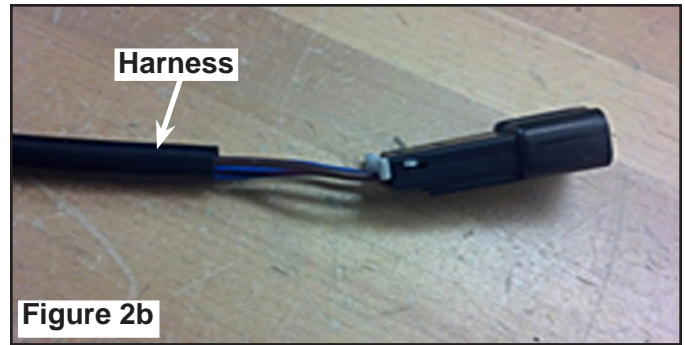


Figure 2a

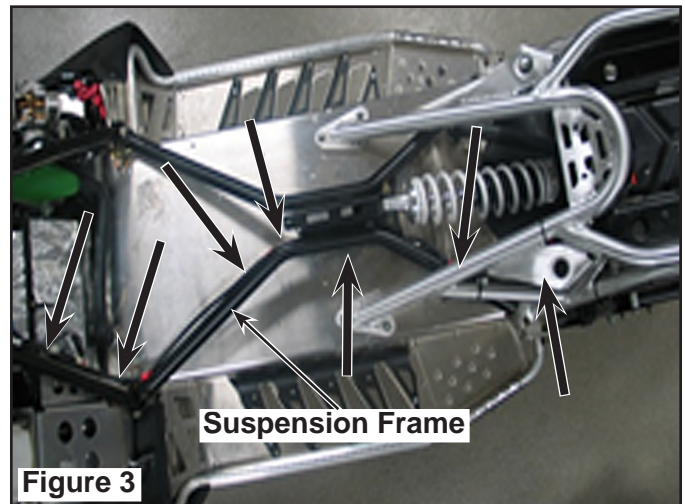
13. Remove the fuel cap and filler neck nut.
14. Remove the plastic fasteners and choke nut (if present) to remove the console.
15. Remove the seat and fuel tank. **NOTE:** Make sure fuel tank is below the half tank of fuel before removing. Follow the procedure for removing the fuel tank as outlined in the MRM (Master Repair Manual).



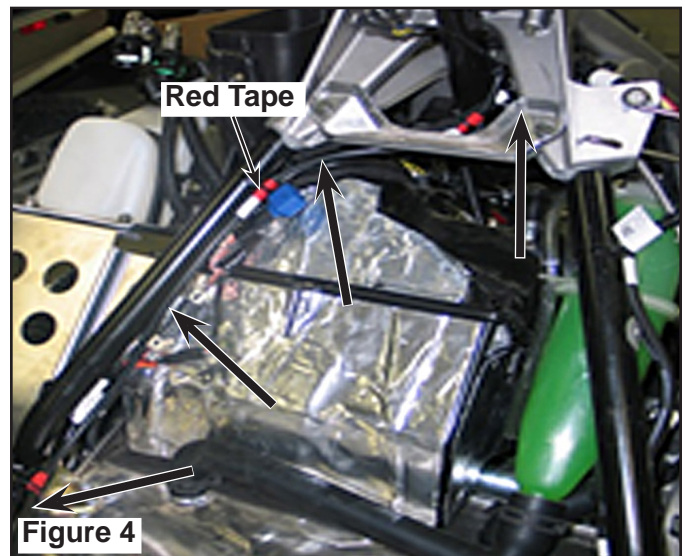
FOLLOW THE INSTRUCTIONS FOR THE SPECIFIC MODEL OF SNOWMOBILE

Switchback

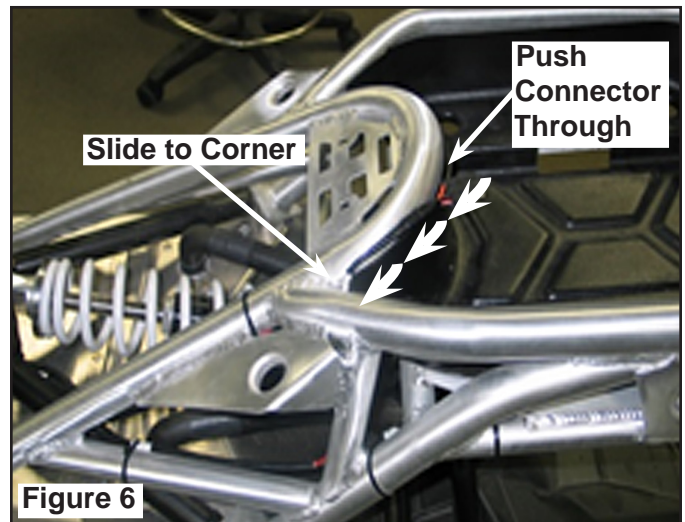
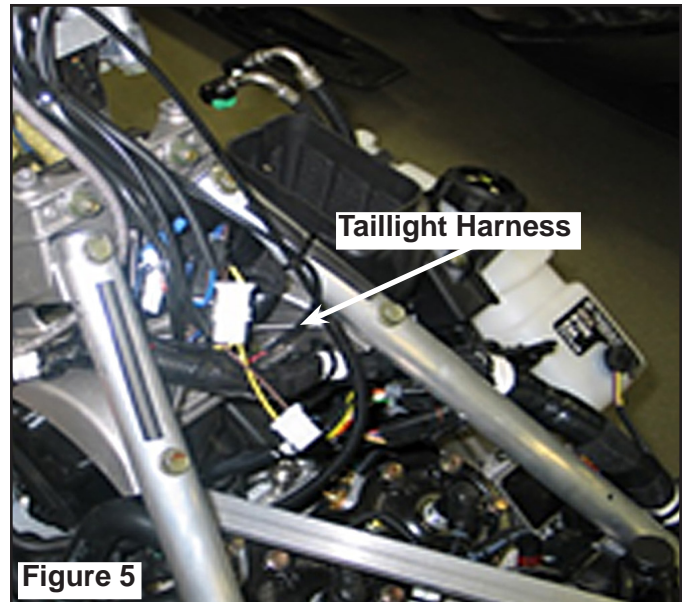
16. Lay passenger hand warmer wire harness alongside the taillight harness under the suspension frame above the tunnel. Figure 3.



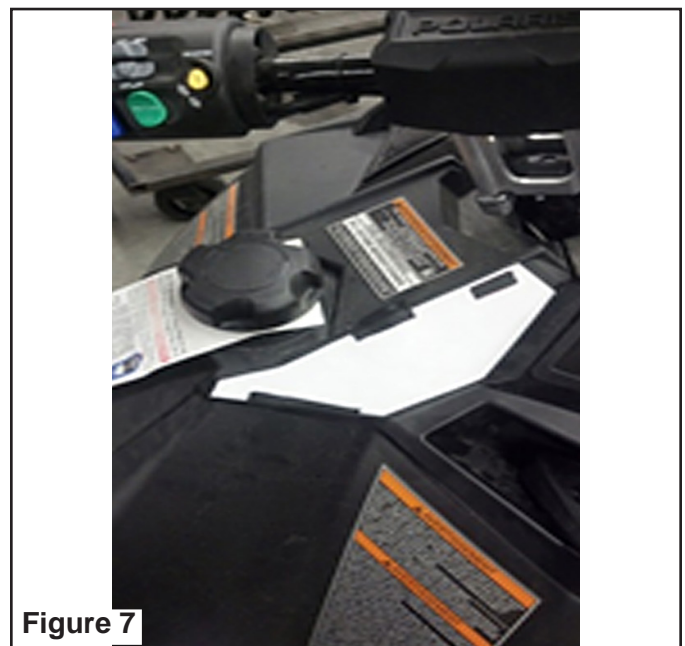
17. Route up to steering post along the taillight harness and plug in the three prong connector to the accessory plug. Figure 4 and Figure 5.



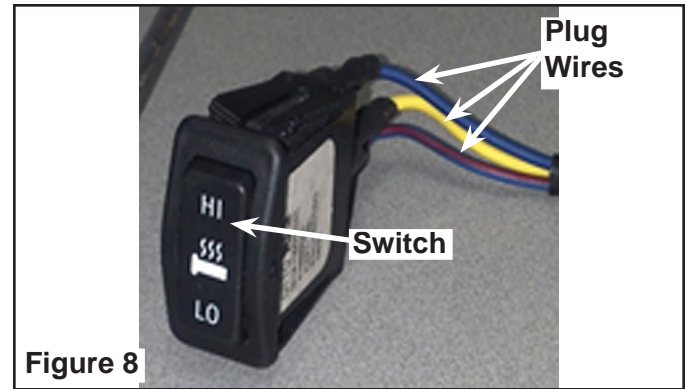
18. On the back of the harness route wire up the slanted seat frame post and push the connector through the gap in the frame and the plastic in the center. Then slide wire over to the gap in the corner of the rack. Figure 6. Panduit the wire harness to the frame at all seven of the RED tape marks as shown in Figure 4, Figure 5 and Figure 6.
19. Reinstall the fuel tank per MRM instructions. Torque the nuts to 10 ft. lbs. (13.5 Nm). Make sure to plug in the fuel pump and the fuel lines. Then reinstall the seat.
20. Remove the template from the Passenger Hand Warmer Kit.
21. Cut the template along the featured lines marked for the switchback.



22. Refer to the enclosed picture to place the template on the console, aligning feature line on template with corresponding feature line on left top side of the console. Figure 7. Tape template in place.
23. Mark the hole location with marker and remove template.
24. Cut out marked hole and deburr.
25. Install console back on machine by inverting the order from Steps 13-10.

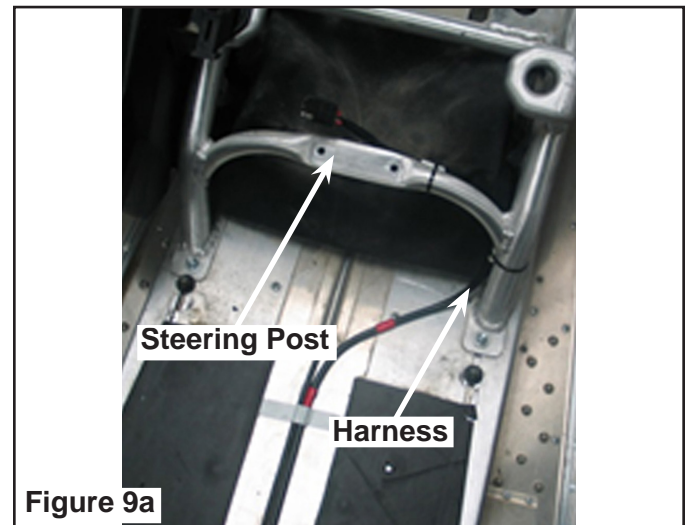
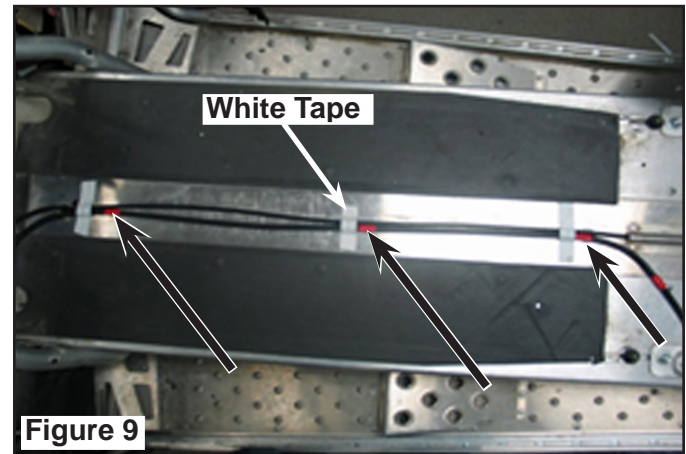


26. Pull the passenger hand warmer wires that are to be plugged into the passenger hand warmer switch up through the hole cut in console. Hook wires up to switch. The top of the switch will be high. Plug the blue wire at top, yellow at middle and blue/red at bottom. Figure 8.
27. Push the passenger hand warmer switch into hole in console, making sure it is locked in place.
28. Reinstall the hood and the side panels by reversing Step 9.

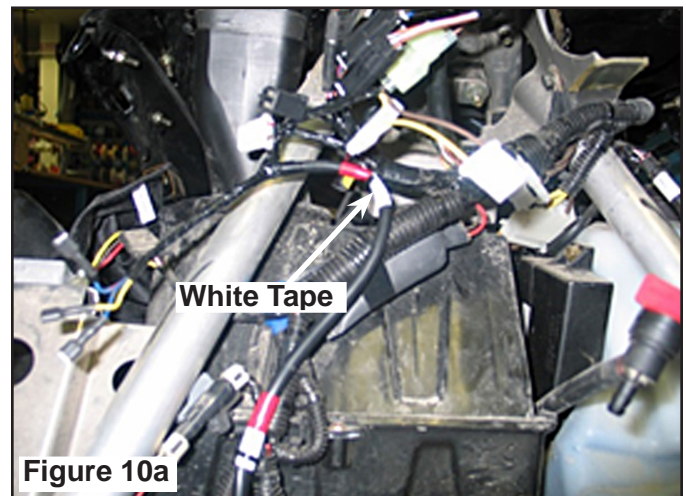
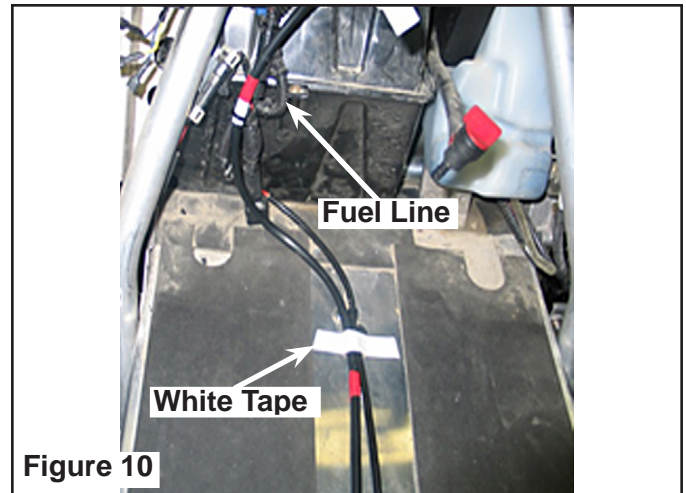


Indy

16. Loosen the nuts on the rack so that the rack can slide.
17. Lay passenger hand warmer wire harness alongside taillight harness on the tunnel. Align the wire harness (PN 2412749) and tape the wire harness down to the tunnel in the back route wire harness on the seat support both as shown in Figure 9. Route the passenger hand warmer harness alongside taillight wire to main harness on bottom side of steering hoop to the front side of steering post. Plug the three prong connector into the main wire harness connection on front of steering post and loop harness that goes to switch over the top of steering hoop left of the steering post. Figure 9 and Figure 9a.



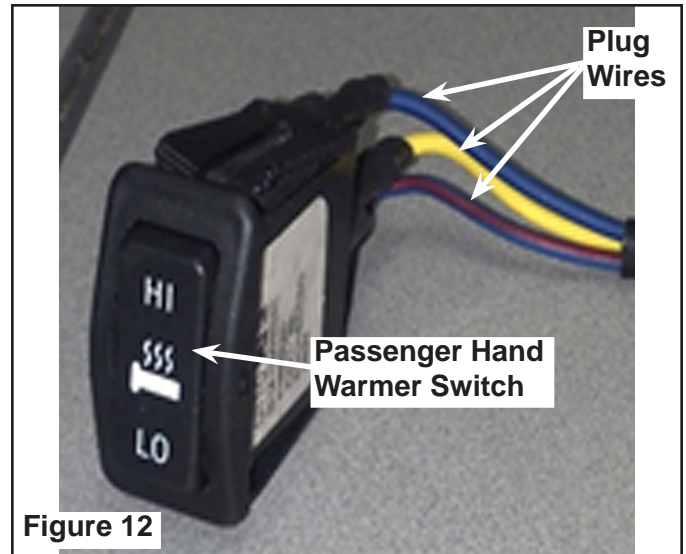
18. Panduit harness on the white tape. Figure 9, Figure 10 and Figure 10a.
19. Reinstall fuel tank. Torque nuts to 10 ft. lbs. (13.5 Nm). Make sure the plug in the fuel pump and the fuel lines. The reinstall the seat.
20. Remove the template from Passenger Hand Warmer Kit.
21. Cut the template along the featured lines marked for the indy.



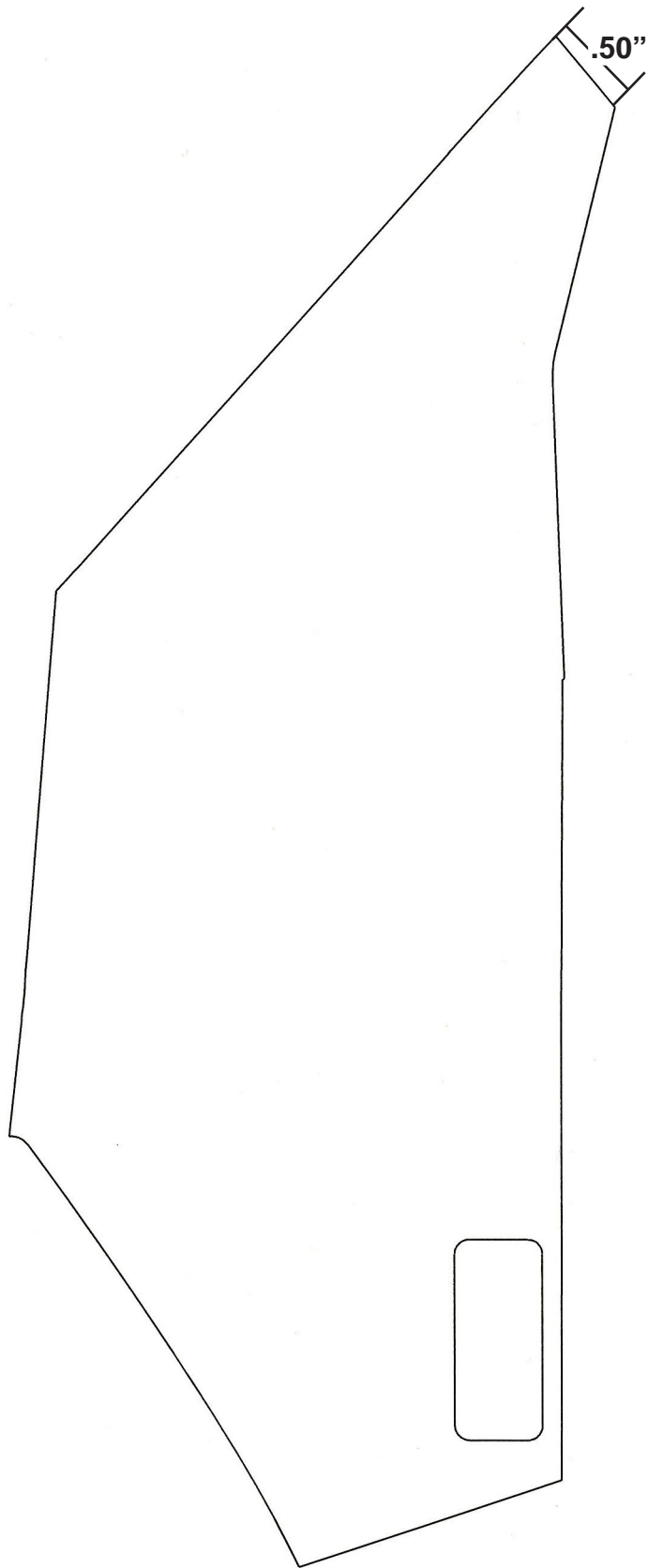
22. Refer to the enclosed picture to place the template on the console, Aligning feature line on template with corresponding feature line on left top side of console. Figure 11. Tape the template in place.
23. Mark the hole location with marker and remove template.
24. Cut out marked hole and deburr.
25. Install the console back on the machine by inverting the order from Steps 13-10.



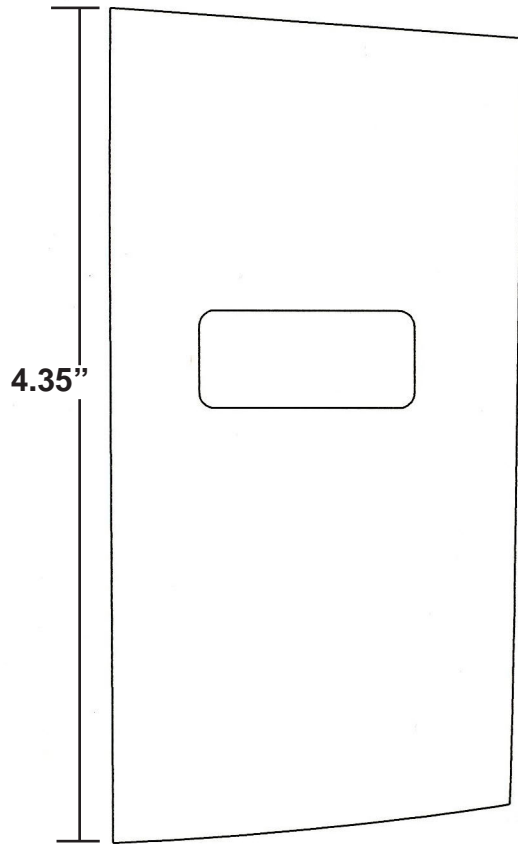
26. Pull the passenger hand warmer wires that are to be plugged into the passenger hand warmer switch up through the hole cut in console. Hook wires up to switch. The top of the switch will be high. Plug the blue wire at top, yellow at middle and blue/red at bottom. Figure 12.
27. Push the passenger hand warmer switch into hole in console, making sure it is locked in place.
28. Install the seat to rack. Adjust rack to get seat locked all the way on to front mounting to the fuel tank. Tighten down the rack bolts to 10 ft. lbs. (13.5 Nm).
29. Reinstall the hood and the side panels by reversing Step 9.



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