Upgrading the HotButton Reader on the Galaxy II
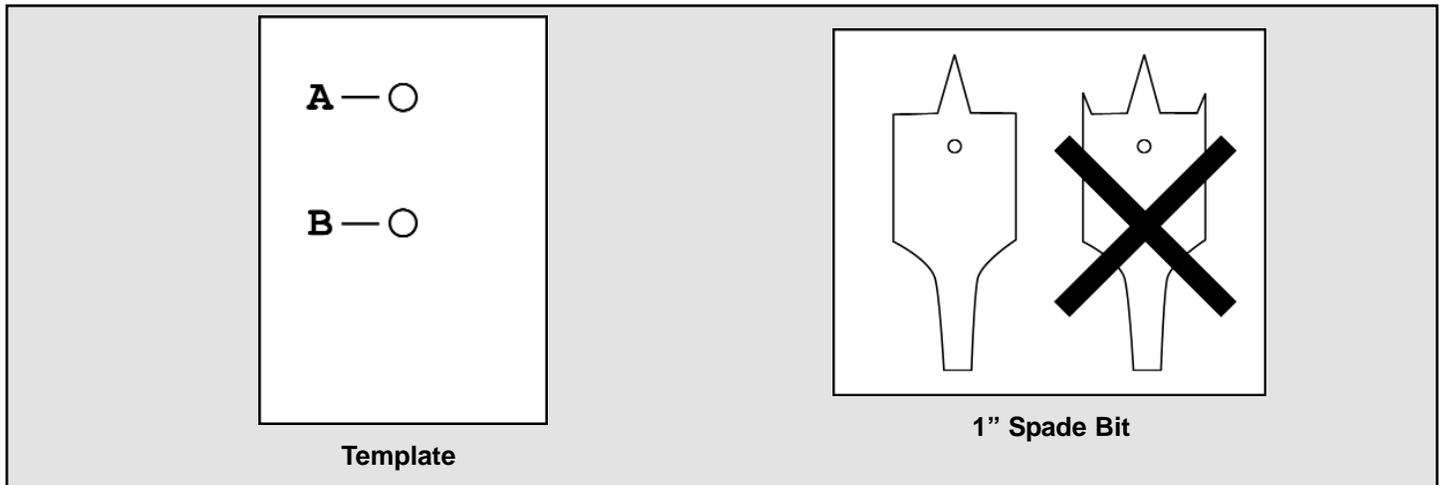## Kit No. 42120

Arachnid improved the HotButton reader that will make the HotButtons easier to use. Follow these instructions to install the HotButton Reader.
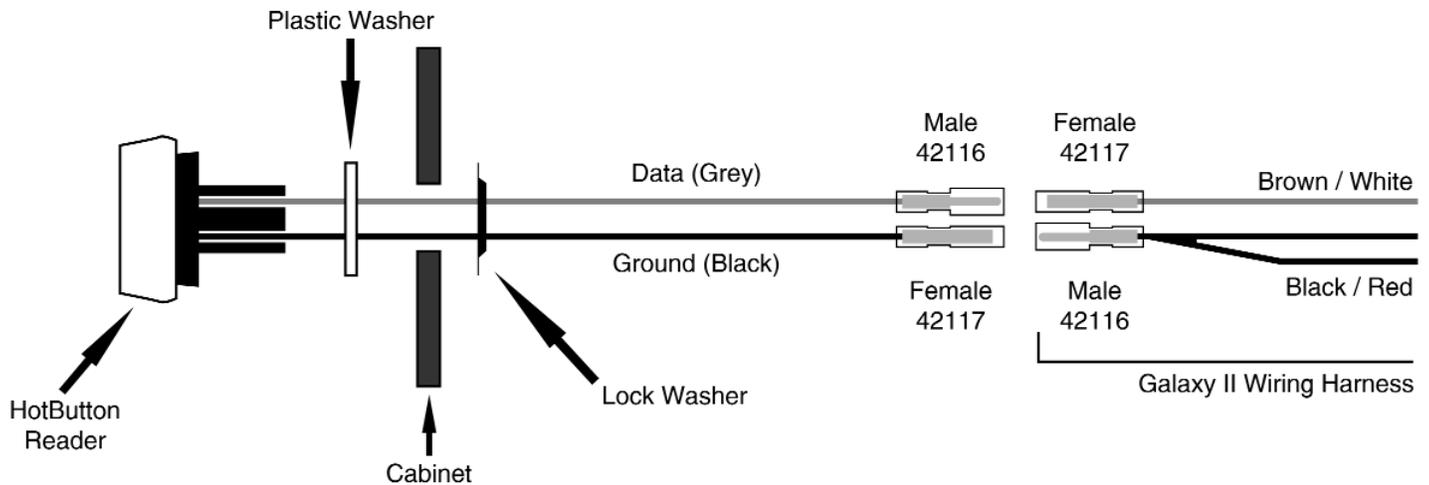
Tools you will need

- 1" Spade Bit
- 3/8" Standard Drill Bit
- 3/8" Variable Speed Drill
- 1/4" Nut Driver
- Crimp Tool NH60 for Terminals (Available from www.nichifu.com)
- Template (supplied with this kit)
- Improved HotButton Reader (supplied with this kit)
- Male/Female wire connectors (2 each supplied with the kit)

A—○

B—○

Template

1" Spade Bit

Follow the instructions below to update the HotButton to the improved style:

1. Unplug the Galaxy II from the wall.
2. Remove bezel.
3. Remove existing wire connections from the old HotButton contacts.
4. Using the 1/4" Nut Driver, remove the nuts and terminals from the back side of the HotButton contacts.
5. Push out the threaded contacts. Save the contacts and the nuts.
6. Mount the template through Hole A (using one contact and nut that were previously removed).
7. Line up Hole B with the lower hole on the cabinet.
8. Replace the bezel. Make sure the bezel is in place correctly and secured.
9. Close darthead door.

10. Slowly drill out the bezel with the 1" spade bit using Hole B on the template as the center. When the spade bit reaches the template, stop.
11. Remove the bezel and the template.
12. Using the 3/8" drill bit, slowly drill out the hole in the cabinet that lines up with Hole B of the template.
13. Place the white plastic washer over the wires of the new HotButton reader and push up to the back side of the new HotButton reader.
14. Guide wires through the previously drilled 3/8" hole in the cabinet and push the HotButton reader into the cabinet.
15. Guide the wires of the new HotButton reader through the grooved retaining ring and push the retaining ring tight to the inside of the cabinet being careful of the wires.
16. Cut the old HotButton connectors from the main wire harness of the Galaxy II. Strip the wires and install the new connectors that were supplied with this kit. Make sure the polarity of the wires and connectors are correct before crimping.
    * Black wire to Black/Red wires
    * Grey wire to Brown/White wire

17. Install bezel and close darthead door.
18. Plug the Galaxy II back in.
19. Check the HotButton reader to make sure it is functioning properly.
    a. Go into test mode on the Galaxy II.
    b. Select **Hardware Test/Software Update**.
    c. Select **Hardware Test/Software Update** again.
    d. Select **System Info**.
    e. Place any HotButton on the HotButton reader. The IButton serial number should appear. If it does not work, see Troubleshooting.

Troubleshooting

If the HotButton reader doesn't function, use the following items for trouble shooting:

1. Check to make sure the connectors are crimped properly.
2. Make sure the HotButton reader is connected to the main wire harness properly.
3. Make sure there are no severed or lacerated wires.
4. Make sure the HotButton reader itself is not physically damaged.
5. Connect the wires of the HotButton together and approximately zero Ohms should be measured from the center to the outside of the HotButton reader.