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# **BPS Customer Handset Manual**

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## Bill of Materials

<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
00283204	NA Volume Control Mount SM	1
02913031	5K Pot W/Leads	1
02979997	Handset with Armored Cable	1
04037011	TT Formed ABS Customer Control Panel	1
04184011	TT I Customer Control Mount SM	1
06926019	7/8" Snap In Bushing	1
94006004	3/16" Aluminum Washer	4
93025001	8-32 Nylon Locking Nut	4
93082723	8-32 x 1/2 Philips Truss Screw SS	4

## **Tools Needed**

Philips Screwdriver  
5/16" Nutdriver or Wrench

### **For an Unprepared Skin, also have:**

Ruler or Tape Measure  
Center Punch  
Electric Drill  
3/16" Drill Bit  
7/8" Diameter Drill or Uni-bit or Knock-out Punch  
11/32" Nutdriver or Wrench

## **Attaching Handset Assembly to a Prepared Skin**

(The following should be completed before the skin and top cap are installed onto the customer unit.)

1. Remove tape covering the wiring hole.
2. Remove the acorn nut and the Keps nut from the studs on the skin. (The acorn nuts are there only for protection during shipment.)
3. Attach the handset mounting bracket to the skin using a washer and a Keps nut. Make sure the wiring hole in the skin is aligned with the wiring hole in the bracket.
4. Install the 7/8" snap in bushing into this hole and route the wires through it.
5. Connect the cables together making sure the numbers correspond.
6. At this point you may want to check the volume pot setting. Adjusting this pot will change the volume of the handset's speaker.
7. Mount the cover housing to the bracket using the three 8-32 x 3/8" button socket cap screws provided.
8. Install the skin assembly.

For additional help or information contact EF Bavis & Assoc. (513) 677-0500

## **Attaching Handset Assembly to an Unprepared Skin**

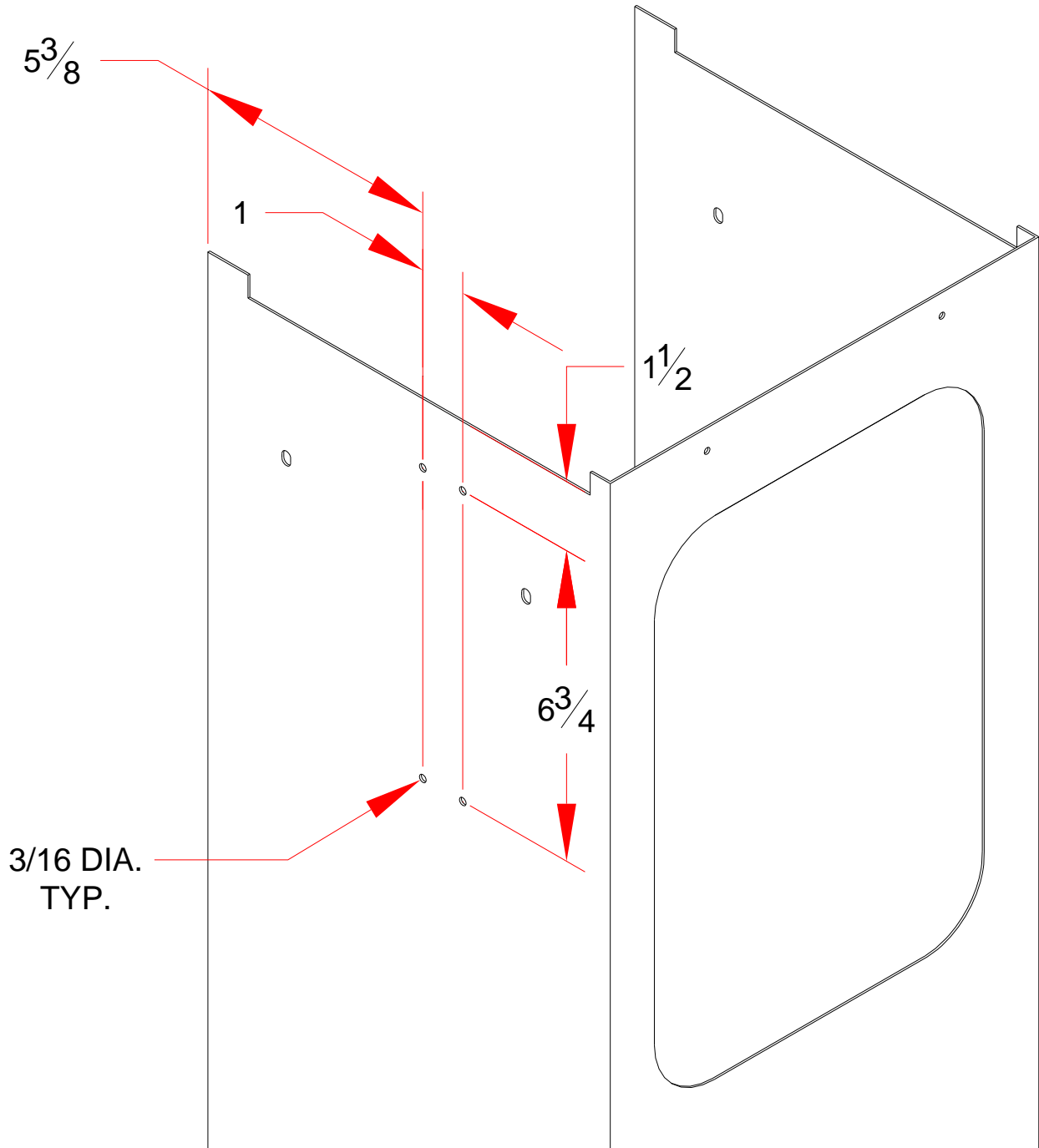
(The following should be completed before the skin and top cap are installed onto the customer unit.)

1. Mark and drill holes as shown in Fig. 1. **(Caution: Varying from the shown dimensions could cause interference with internal structure of the Customer unit and/or top cap during skin installation.)**
2. Attach the handset mounting bracket to the skin using the 8-32 x 1/2" Philips truss head screws, 3/16" aluminum washers, and 8-32 nylon locking nuts provided.
3. Using the 9/64" hole that is centered on the bracket and 1" below the upper mounting holes as a template, drill a pilot hole through the skin. Then with drill, Uni-bit or Knock-out punch make a 7/8" hole through the bracket and skin. (Cover the volume pot on the bracket to protect it from metal chips.)
4. Install the 7/8" snap in bushing into this hole and route the wires through it.
5. Connect the cables together making sure the numbers correspond.
6. At this point you may want to check the volume pot setting. Adjusting this pot will change the volume of the handset's speaker.
7. Mount the cover housing to the bracket using the three 8-32 x 3/8" button socket cap screws provided.
8. Install the skin assembly.

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**Fig. 1**

**Mounting Hole Pattern for Unprepared Skin**









# Completed Wiring Diagram

