

JS-0136-1
HEADSET ADAPTER ASSEMBLY

1. GENERAL

1.01 This section provides information on the JS-0136-1 Headset Adapter Assembly manufactured by Pacific Plantronics, Inc. The adapter assembly provides a means for adapting headsets to GTE Automatic Electric (GTE AE) telephones. The adapter assembly can be installed on a standard telephone at the customer's location without special tools.

1.02 This section is reissued to add installation information for the Type 80E telephone set. Change indicators are used to identify new material. Remove the previous issue of this section from the binder or microfiche file and replace it with this issue.

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2. DESCRIPTION

2.01 The adapter assembly consists of a transfer key, amplifier, and a jack for connection to a headset as shown in Figure 1. The adapter assembly also includes socket setscrews, brackets, and an allen wrench for installation.

2.02 The adapter assembly features a transfer key for switching from handset to headset operation and vice versa without breaking the connection. The transfer key can also be momentarily depressed to break the connection (recall operation).

2.03 The adapter assembly is 5-1/4 inches long, 2 inches wide, and 2 inches deep.

3. INSTALLATION

3.01 The adapter assembly can be used with the telephones listed in Tables 1 and 2. The type of Touch Calling Unit (TCU) used with TCU-equipped telephones can be identified as follows:

- (a) The Type 12C Inductor-Capacitor Touch Calling Unit (LCTCU) has doeskin gray push-buttons and a doeskin gray subfaceplate.
- (b) The Type 12C ICTCU had doeskin gray push-buttons and a dark gray subfaceplate.
- (c) The Type 12D TCU has doeskin gray push-buttons, a doeskin gray subfaceplate, and a raised dot in the center of the pushbutton.

3.02 The adapter assembly is mounted on the right-hand side of the telephone baseplate with the plug jacks located either at the front or at the rear of the telephone. If the jacks are to be located at the front of the telephone, proceed to paragraph 3.04

3.03 If the customer prefers having the jacks located at the rear of the telephone, move the flat cable so that it extends from the opposite side of the adapter assembly. Fasten the bracket that holds the cable in place to the bottom of the adapter assembly with two screws. Remove the screw closest to the cable and loosen the other screw one full turn. Turn the bracket out of the way and change the cable's position. Return the bracket to its original position and replace the screw that was removed. Align the bottom and tighten both screws. The adapter assembly may now be installed with jacks located at the rear of the telephone.

3.04 To install the adapter assembly on the telephone (Figure 2) with the plug jacks located either at the front or at the rear of the telephone, perform the following procedure:

- (a) Remove the telephone housing from the telephone baseplate.
- (b) Select the two brackets that fit the telephone baseplate and attach them to the baseplate.

NOTE: Four brackets are included in the installation assembly because two kinds of baseplates will be encountered.

- (c) Hold the adapter assembly beside the baseplate to determine where the brackets should be located. The front edge of the adapter assembly should be located approximately one-fourth inch back from the front edge of the telephone.
- (d) Fasten the brackets securely to the baseplate with the socket setscrews and the allen wrench that are included with the adapter assembly.
- (e) Make certain that the flat cable comes up between the side of the adapter assembly and the baseplate, and adjust the length of the cable to suit the installation requirements.
- (f) Fasten the adapter assembly to the brackets with the two slotted screws.
- (g) If the telephone is equipped with a rotary dial or a Type 12C LCTCU, make all internal

wiring connections to the telephone in accordance with Table 1. If the telephone is equipped with a Type 12C ICTCU or a Type 12D TCU, make all internal wiring connections to the telephone in accordance with Table 2. Where wire-to-wire connections are indicated, use snap-on insulated splices.

CAUTION: Safe grounding and handling procedures must be adhered to when handling the ICTCU's. The tone generator is susceptible to damage by electrostatic discharge and is subject to voltage overstressing. Power must not be applied while handling the ICTCU's. Never touch the frequency spring electrical

connections; they can be mechanically damaged.

- (h) If the telephone is equipped with a Type 12C LCTCU, the adapter assembly must be wired as shown in Figure 3. If the telephone is equipped with a Type 12C ICTCU or a Type 12D TCU, the adapter assembly must be wired as shown in Figure 4.
- (i) When all connections are completed, replace the telephone housing. Make certain that the cable is not stretched or damaged by the housing.
- (j) The adapter assembly is ready to be used. Plug the headset into the jacks and turn the transfer key to ON.

TABLE 1. WIRING INSTRUCTIONS FOR TELEPHONES EQUIPPED WITH A ROTARY DIAL OR A TYPE 12C LCTCU.

WIRES FROM ADAPTER ASSEMBLY (NOTE 1)	TYPE OF TELEPHONE									
	NB 80 ROTARY DIAL	NB 80 TYPE 12C LCTCU	NC 80 ROTARY DIAL	NC 80 TYPE 12C LCTCU	80E ROTARY DIAL (NOTES 2 AND 3)	80E TCU (NOTES 2 AND 3)	102A ROTARY DIAL	102A TYPE 12C LCTCU (NOTE 4)	103A ROTARY DIAL	103A TYPE 12C LCTCU
Brown	TN 3	Spacer B	TN 3	TS A	5	15	TN 2	TN 11	TN 2	TN 11
Red	TN 10	TN 10	TN 10	TS D	10 (tip)	10 (tip)	TB 6	TB 46	TN 2	TB 39
Orange	Remove yellow handset wire from TN 4 or TN 13 and green hookswitch wire from TN 13 and splice.	Remove yellow handset wire from TN 4 or TN 13 and green hookswitch wire from TN 13 and splice.	Remove yellow handset wire from TN 4 or TN 13 and green hookswitch wire from TN 13 and splice.	Remove yellow handset wire from TN 4 or TN 13 and green hookswitch wire from TN 13 and splice.	Splice to black handset wire.	Splice to black handset wire.	TB 44	TB 44	TB 9	TB 9
Yellow	TN 4	TN 4	TN 4	TN 4	23	23	TN 13	TB 29	TN 4	TB 29
Green	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TN 5 and splice.	Splice to green handset wire.	Splice to green handset wire.	TB 41	TB 41	TB 42	TB 42
Blue	TN 5	TN 5	TN 5	TN 5	23	2	TN 5	TN 5	TN 5	TN 5
Violet	TN 11	TS M	TN 11	TN 15	11	7	TN 2	TB 39	TB 46	TB 46
Slate	TN 2 or 3	TS L	TN 2 or 23	TS C	8 (A ₁)	8 (A ₁)	TB 47	TB 47	TB 48	TB 47
White	TN 8	TN 8	TN 8	TN 8	3 (A)	3 (A)	TB 49	TB 49	TB 50	TB 49
Black	TN 2 or 3	Spacer A	TN 2 or 23	TS B	4	12	TN 2	TN 2	TN 23	TN 23
White-Brown					3					
White-Green					6					
White-Blue					8					
						15 (Note 5)	TB 41 (Note 5)	TB 41 (Note 5)	TB 42 (Note 5)	TB 42 (Note 5)
						12 (Note 6)	TB 37 (Note 6)	TB 37 (Note 6)	TB 9 (Note 6)	TB 9 (Note 6)
							TN 23 (Note 7)	TN 23 (Note 7)		
							TB 37 (Note 8)	TB 37 (Note 8)		

TABLE 1. WIRING INSTRUCTIONS FOR TELEPHONES EQUIPPED WITH A ROTARY DIAL OR A TYPE 12C LCTCU (CONTINUED).

WIRES FROM ADAPTER ASSEMBLY (NOTE 1)	TYPE OF TELEPHONE										
	186 ROTARY DIAL WITH HOLD	186 ROTARY DIAL WITHOUT HOLD	186 TYPE 12C LCTCU WITH HOLD	186 TYPE 12C LCTCU WITHOUT HOLD	187 ROTARY DIAL	187 TYPE 12C LCTCU	860A ROTARY DIAL	860B ROTARY DIAL	860B TYPE 12C LCTCU	DSS CONSOLE ROTARY DIAL	DSS CONSOLE TYPE 12C LCTCU
Brown	TN 23	TN 23	TB 6	TB 6	TN 23	TS 8	TN 3	TN 2	TB P	TN 2	TN 11
Red	TB R	TB N	TB R	TB N	TN 11	TN 11	TN 11	TB E	TB E	TB 46	TB 27
Orange	Remove yellow handset wire from TN 4 and green hook-switch wire from TN 13 and splice.	Remove yellow handset wire from TN 4 and green hook-switch wire from TN 13 and splice.	Remove yellow handset wire from TN 7 and green hook-switch wire from TN 13 and splice.	Remove yellow handset wire from TN 7 and green hook-switch wire from TN 13 and splice.	Remove yellow handset wire from TN 13 and green hook-switch wire from TN 13 and splice.	Remove yellow handset wire from TS 10 and blue hook-switch wire from TN 4.	Remove yellow handset wire and green hookswitch wire from TN 4 and splice.	Remove yellow handset wire from TN G and green hook-switch wire from TN 13 and splice.	Remove yellow handset wire from TN G and green hookswitch wire from TN 4 and splice.	TB 9	Remove yellow handset wire from TB 29 and splice.
Yellow	TN 4	TN 4	TB 7	TB 7	TN 13	TS 10	TN 4	TN 13	TN G	TN 4	TB 29
Green	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TS 9 and splice.	Remove red handset wire from TN 5 and splice.	Remove red handset wire from TN N and splice.	Remove red handset wire from TN N and splice.	TB 42	Remove red handset wire from TN 5 and splice.
Blue	TN 5	TN 5	TB 5	TB 5	TN 5	TS 9	TN 5	TN 5	TN 5	TN 5	TN 5
Violet	TN 11	TN 11	TN 6	TN 6	TS 13	TS 13	TN 10	TN 11	TB D	TN 2	TB 46
Slate	TB 1B	TB 1B	TB 1B	TB 1B	TS 2	TS 2	TN 20	TB J	TB J	TB 48	TB 48
White	TB N	TB M	TB N	TB M	TS 1	TS 1	TN 7	TB K	TB K	TB 50	TB 50
Black	TN 23	TN 23	TB 8	TB 8	TN 23	TS 11	TN 3	TN 2	TN 2	TN 23	TN 23
										TB 42 (Note 5) TB 9 (Note 6)	

LEGEND:

DSS Console = Direct Station Selection Attendant Position Console

TB = Terminal Board Terminal

TN = Transmission Network Terminal

TS = Terminal Strip

NOTES:

1. The white-brown and white-red leads are taped and stored with the exception of the Type 80E rotary dial telephone.
2. To provide A and A₁ to Type 80 (converting it to Type 80E), reverse the black and yellow wires.
3. The right-hand hookswitch contact must be permanently separated so that the front leaf cannot close. The leaf should be pulled toward the front of the telephone until it catches past the black plastic ridge on the cradle lever underside.
4. If the Type 102A telephone equipped with a Type 12C LCTCU does not have the modified (spark-suppressed) RECALL switch, move the orange hookswitch lead from TB 28 to TB 30, move the white recall lead from TB 28 to TB 31, and connect the HD 680027-A spark-suppression network between TB 31 and TB 39.
5. Red handset lead.
6. Yellow handset lead.
7. Black handset lead.
8. Green hookswitch lead.

TABLE 2. WIRING INSTRUCTIONS FOR TELEPHONES EQUIPPED WITH A TYPE 12C ICTCU OR A TYPE 12D TCU.

LEAD COLOR	TYPE OF TELEPHONE							
	ND 80 95 182A 192A	102A (NOTE 1)	103A	186 WITH HOLD	186 WITHOUT HOLD	187	860B 863A (NOTE 2)	DSS CONSOLE
<u>Adapter Assembly</u> <u>Wires (Note 3)</u>								
Brown	TN 2	TN 2 (Note 4)	TN 2	TN 2	TN 2	TB 10	TN 23	TN 2
Red	TB D	TB 46	TB 49	TB R	TB R	TN 11	TB E	TB 46
Orange	SP 2	TB 44	TB 62	TB 5	TB 5	TB 12	TN F	TB 27
Yellow	TB B	TB 29	TB 29	TB 8	TB 8	TB 11	TN G	TB 29
Green	SP 1	TB 28	TB 63	SP 1	SP 1	TB 9	TN N	TB 28
Blue	TB A	TN 11	TN 11	TB 6	TB 6	TB 8	TN P	TN 11
Violet	TN 10	TB 30	TB 46	TN 6	TN 6	TB 13	TB D	TB 30
Slate	(Note 5)	TB 47	TB 28	TB 1B	TB 1B	TB 2	TB J	TB 48
White	(Note 5)	TB 49	TB 47	TB N	TB N	TB 1	TB K	TB 50
Black	TN 2	TN 23	TN 23	TN 2	TN 2	TN 2	TN 23	TN 23
<u>Headset Wires</u>								
Red	SP 1	TB 28	TB 63	SP 1	SP 1	TB 9	TN N	TB 8
Green	TN 23	TN 2 (Note 4)	TN 2	TB 7	TB 7	TN 10	TN 2	TN 2
Yellow	SP 2	TB 37	TB 62	TB 5	TB 5	TB 12	TN F	TB 27
Black	TN 23	TN 23 (Note 4)	TN 23	TB 7	TB 7	TB 10	TN 2	TN 23

TABLE 2. WIRING INSTRUCTIONS FOR TELEPHONES EQUIPPED WITH A TYPE 12C ICTCU OR A TYPE 12D TCU (CONTINUED).

LEAD COLOR	TYPE OF TELEPHONE							
	ND 80 95 182A 192A	102A (NOTE 1)	103A	186 WITH HOLD	186 WITHOUT HOLD	187	860B 863A (NOTE 2)	DSS CONSOLE
<u>Hookswitch_Wires</u>								
Green	SP 2	TB 37		TN 23	TN 23	TN 23	TN F	
Blue				TB 5	TB 5	TB 12		
Yellow		TN 23 (Note 4)					TN 23	
Brown	TN 23		TB 6					TB 50
<u>Type_12C_ICTCU Wires</u>								
Black-White	TN 5	TN 5	TN 5	TN 5	TN 5	TN 5	TN 5	TN 5
Brown	TB C	TB 6	TB 6	TB A	TB A	TN L2	TB 8	TB 9
Slate	TB B	TB 29	TB 29	TB 8	TB 8	TB 11	TN G	TB 29
Pink	TB A	TN 11	TN 11	TB 6	TB 6	TB 8	TN P	TN 11
Green	TN 2	TN 2	TN 2	TN 2	TN 2	TN 2	TN 2	TN 2
Blue	TN 13	TN 4	TN 4	TN 13	TN 13	TN 13	TN 13	TN 4
White	TN 1	TN 1	TN 1	TN 1	TN 1	TN 1	TN 1	TN 1
Red	TB D	TB 40	TB 40	TN 6	TN 6	TN 11	TB D	TB 42

LEGEND: DSS Console = Direct Station Selection Attendant Position Console
 SP = Connection to spare or unused terminal or splice to companion lead(s)
 TB = Terminal Board Terminal or Spare Terminal
 TN = Transmission Network Terminal

NOTES:

1. If the Type 102A telephone equipped with a type 12C ICTCU does not have the modified (spark-suppressed) RECALL switch, move the orange hookswitch lead from TB 28 to TB 30, move the white recall lead from TB 28 to TB 31, and connect the HD-680027-A spark-suppression network between TB 31 and TB 29.
2. Before making lead connections, remove the black strap lead from TN 23 and TN F and remove the red strap lead from TN 5 and TN N.
3. Tape and store the white-brown and white-red leads.
4. For the Type 102A wall version telephone, all connections are the same except move leads from TN 2 to TB 41 and from TN 23 to TB 17.
5. Optional A and A1 switch contacts.