MODEL 82577 HOLD SWITCH ASSEMBLY

AW 85-301

Figure 1: Model 82577 Hold Switch Assembly

1. INTRODUCTION

1.01 This document covers the Model 82577 hold switch assembly. (See Figure 1.) A general description as well as information on removal, disassembly, replacement parts, assembly, operation, and installation is included.

1.02 Whenever this section is reissued, reason for reissue will be listed in this paragraph.

1.03 For information concerning telephones that this hold switch assembly is used in, refer to the appropriate section in Volume 1 of the ITT Telephone Apparatus Practices Manual.

2. GENERAL DESCRIPTION

2.01 The Model 82577 hold switch assembly is designed for use in the ITT two-line desk telephone. It allows the station user to manually place a call on hold and to manually return to the held call when desired.

2.02 The hold switch assembly is controlled by the left-hand cradle plunger.

2.03 The left-hand cradle plunger is of a special design. In the normal or low position, the cradle plunger is used to operate the cradle switch assembly. In the operated or raised position, the cradle plunger is used to operate the hold switch assembly. (See Figure 2.)
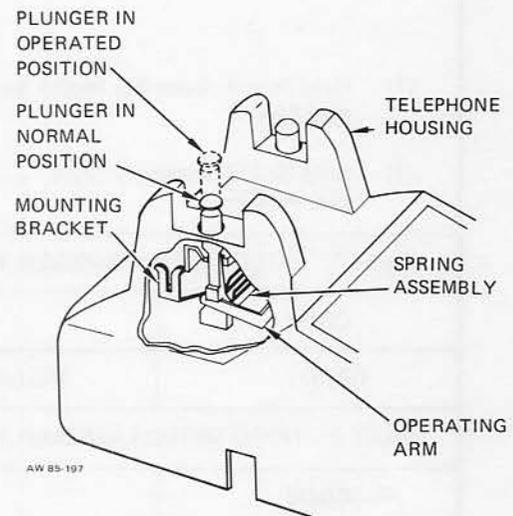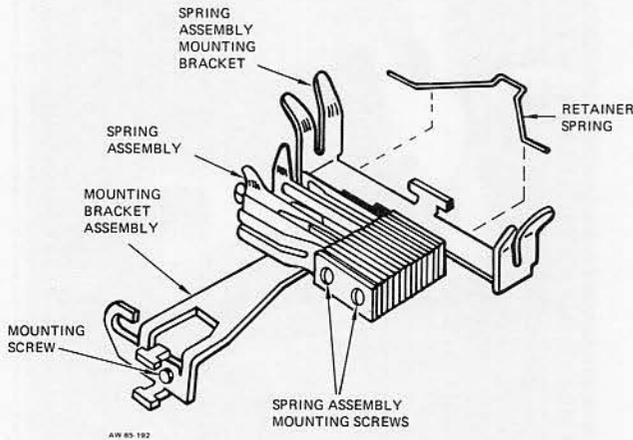

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Figure 2: Cradle Plunger Positions

2.04 The hold switch assembly consists of a mounting bracket assembly, a spring assembly, a retainer spring, and associated wiring. (See Figure 3.)

Figure 3: Model 82577 Hold Switch Assembly, Component Locations

2.05 The hold switch assembly is attached to the mounting bracket of the cradle switch assembly inside the telephone. A mounting screw is provided with the hold switch assembly. The associated wiring is soldered to the terminals of the terminal board assembly.

2.06 The Model 82577 hold switch assembly is identified by a code number. Refer to Table A for ordering information and for an explanation of the code number.

3. REMOVAL

3.01 To remove the hold switch assembly from the telephone, proceed as follows:

(a) Remove the telephone faceplate, if applicable.

(b) Remove the telephone housing.

(c) Loosen the dial mounting screws. Move the dial in order to provide access to the terminal board assembly.

TABLE A

ORDERING INFORMATION

CODE NUMBERS	
HOLD SWITCH ASSEMBLY CODE NUMBERS ARE FORMED IN TWO STEPS AS FOLLOWS:	
	082577　　　　101
(1) Hold Switch Assembly Model Number (See Part 1)	
(2) Hold Switch Assembly Style (See Part 2)	
PART 1　HOLD SWITCH ASSEMBLY MODEL NUMBER	
CODE	DESCRIPTION
082577	Model 82577 Hold Switch Assembly
PART 2　HOLD SWITCH ASSEMBLY STYLE	
CODE	DESCRIPTION
101	Standard

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(d) Disconnect the hold switch assembly leads from the telephone components. The leads must be unsoldered from the terminal board assembly.

(e) Loosen the ringer mounting screws. Remove the ringer, and move it to one side.

(f) Loosen the mounting screw of the hold switch assembly approximately three-quarters of a turn.

(g) Lift the hold switch assembly up, and pull it out of the mounting slots on the cradle switch assembly.

4. DISASSEMBLY

4.01 To disassemble the hold switch assembly, proceed as follows while referring to Table B and Figure 4:

(a) Unhook the retainer spring from the tabs on the mounting bracket of the hold switch assembly.

(b) Lift the spring assembly from the hold switch assembly mounting bracket.

(c) Carefully loosen the spring assembly mounting screws.

(d) Remove the spring assembly from its mounting bracket.

Warning: Further disassembly of the spring assembly is not recommended, and is beyond the scope of this section.

5. REPLACEMENT PARTS

5.01 Replacement parts for the Model 82577 hold switch assembly are listed in Table B, and shown in Figure 4.

TABLE B

REPLACEMENT PARTS LIST

INDEX NO	PART NUMBER	DESCRIPTION	QUANTITY USED
		Model 82577 Hold Switch Assembly	101
1	082581-101	Spring Assembly	1
2	066849-101	Screw, Spring Assembly Mounting	2
3		Springs, Contact[1]	1
4	079604-101	Bracket, Mounting	1
	075326-179	Wire Assembly, BL (Not Shown)	1
	075326-180	Wire Assembly, WH (Not Shown)	1
	075326-181	Wire Assembly, BK (Not Shown)	1
	075326-182	Wire Assembly, RD/YL (Not Shown)	1
5	079624-101	Spring, Retainer	1
6	079625-101	Mounting Bracket Assembly, Hold Switch	1
7	069020-103	Screw, Mounting	1
8	079605-101	Bracket, Mounting	1

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NOTE:

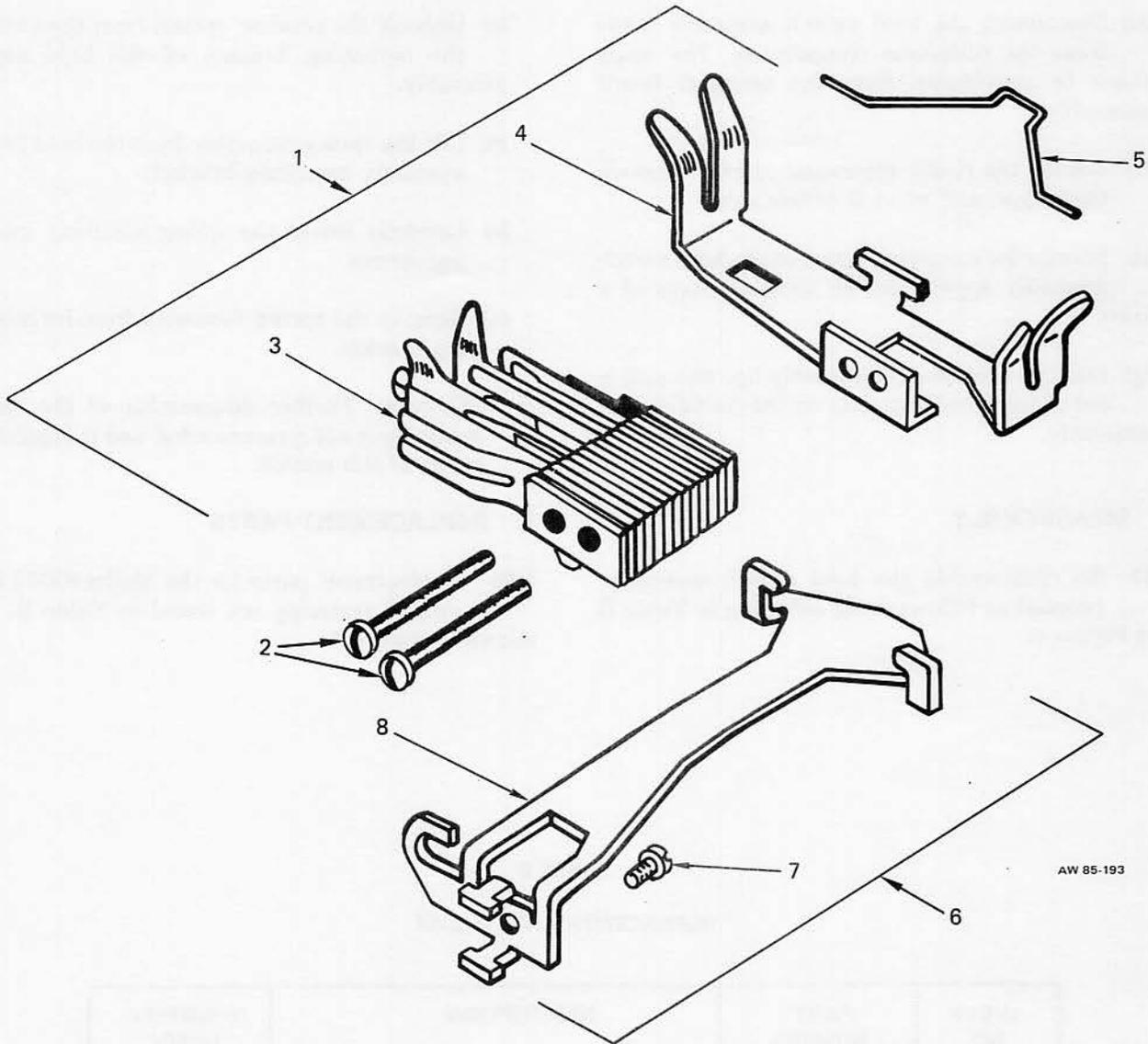[1] This part is not serviced separately.

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**Figure 4: Model 82577 Hold Switch Assembly,
Exploded View**

6. ASSEMBLY

6.01 To assemble the hold switch assembly, proceed as follows while referring to Table B and Figure 4:

(a) Attach the spring assembly to its mounting bracket using the two mounting screws.

(b) Place the spring assembly onto the mounting bracket of the hold switch assembly.

(c) Hook the retainer spring to the L-shaped tabs on the mounting bracket of the hold switch assembly.

7. OPERATION

7.01 The operation of the hold switch assembly can be checked before installation inside the telephone. Proceed as follows:

(a) Invert the telephone housing assembly to provide access to the mounting location of the hold switch assembly.

(b) Place the hold switch assembly in its mounting location inside the inverted telephone housing.

(c) Hold the hold switch assembly in place.

(d) Pull the left-hand cradle plunger to the operated position; then, return the cradle plunger to the normal position.

(e) Check that the left-hand cradle plunger passes between the innermost contacts of the spring assembly.

(f) Check that the contacts of the springs open and close simultaneously. (Refer to Figure 5.)

8. INSTALLATION

8.01 To install the hold switch assembly inside the telephone, proceed as follows:

(a) Remove the telephone faceplate, if applicable.

(b) Remove the telephone housing.

(c) Remove the dial and ringer, and move them to one side.

(d) Insert the hold switch assembly mounting bracket in the matching mounting slots on the cradle switch assembly.

(e) Tighten the mounting screw.

(f) Solder the hold switch assembly leads to the telephone components. Refer to the circuit label of the telephone.

Note: To replace a hold plunger, refer to the replacement parts for the telephone in Volume 1 of the Telephone Apparatus Practices Manual for the correct part number.

(g) Replace the ringer and dial.

(h) Replace the telephone housing.

Note: Check operation of the left-hand cradle plunger in the normal and operated positions.

(j) Replace the faceplate, if applicable.
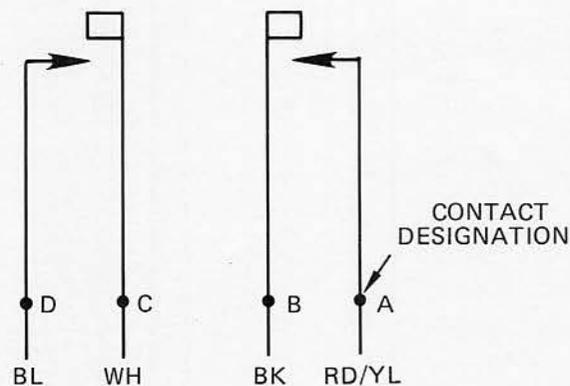
Figure 5: Model 82577 Hold Switch Assembly, Schematic