

MODEL 84522 HOLD SWITCH ASSEMBLY

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1. INTRODUCTION

1.01 This document covers the Model 84522 hold switch assembly. (See Figure 1.) A general description as well as information on removal, disassembly, replacement parts, assembly, installation, and operation is included.

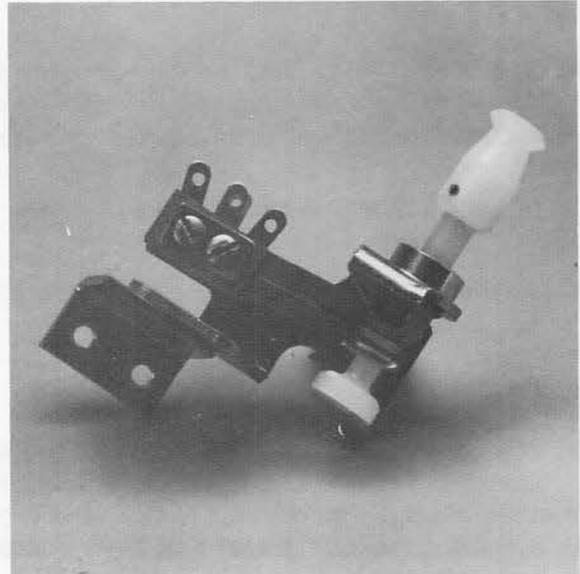
1.02 Whenever this section is reissued, reason for reissue will be listed in this paragraph.

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 84522 hold switch assembly is designed for use in the ITT two-line wall 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 call is placed on hold when the station user pushes down on the handle located on the top of the telephone. To return to the call previously placed on hold, the station user must pull up on the handle.

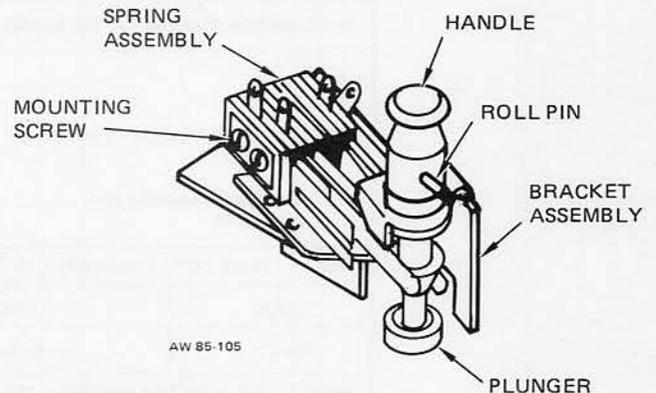


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Figure 1: Model 84522 Hold Switch Assembly

Caution: Do not place the handset on-hook while a call is on hold; the call on hold will be disconnected. The hold switch assembly automatically releases when the handset is placed in the handset cradle.

2.03 The hold switch assembly consists of a bracket assembly, a stack-up spring assembly, a plunger, a handle, and associated wiring. (See Figure 2.)



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Figure 2: Model 84522 Hold Switch Assembly, Component Locations

2.04 The hold switch assembly is attached to the telephone base with two hex-head mounting screws. The associated wiring is soldered to the terminals of the terminal board assembly.

2.05 The Model 84522 hold switch assembly is identified by a code number. Refer to ordering information in Table A 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 housing.
- (b) Disconnect the wiring of the hold switch assembly. The wiring must be unsoldered from the terminals on the hold switch assembly, or from the terminal board assembly located under the dial.
- (c) Locate the two hex-head mounting screws on the rear of the telephone base.
- (d) Loosen and remove the two hex-head mounting screws.
- (e) Remove the hold switch assembly from the telephone.

4. DISASSEMBLY

4.01 To disassemble the hold switch assembly, proceed as follows while referring to Figure 2:

- (a) Remove the roll pin from the handle. Insert the end of a straightened paper clip into the hole of the handle, and push the roll pin out of the opposite side.
- (b) Remove the handle from the plunger stem.
- (c) Push the top end of the plunger down into the bracket assembly. The plunger will disengage from the contacts of the spring assembly.
- (d) Remove the plunger from the bracket assembly.
- (e) Loosen the spring assembly mounting screws.
- (f) Carefully remove the spring assembly from the bracket assembly.

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 hold switch assembly are listed in Table B, and shown in Figure 3.

TABLE A
ORDERING INFORMATION

CODE NUMBERS	
HOLD SWITCH ASSEMBLY CODE NUMBERS ARE FORMED IN TWO STEPS AS FOLLOWS:	
(1) Hold Switch Assembly Model Number (See Part 1)	084522
(2) Hold Switch Assembly Style (See Part 2)	101
PART 1 HOLD SWITCH ASSEMBLY MODEL NUMBER	
CODE	DESCRIPTION
084522	Model 84522 Hold Switch Assembly
PART 2 HOLD SWITCH ASSEMBLY STYLE	
CODE	DESCRIPTION
101	Standard

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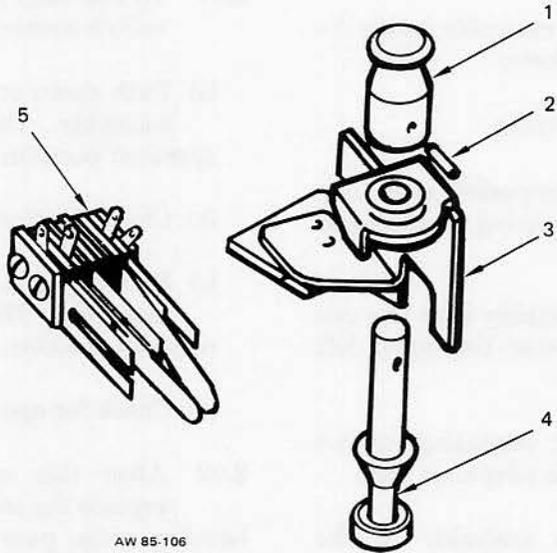
TABLE B
REPLACEMENT PARTS LIST

INDEX NO	PART NUMBER	DESCRIPTION	QUANTITY USED
		Model 84522 Hold Switch Assembly	101
1	084528-101	Handle	1
2	095209-101	Pin, Roll	1
3	084523-101	Bracket Assembly	1
4	084527-101	Plunger	1
	075326-179	Wire, BL (Not Shown)	1
	075326-180	Wire, WH (Not Shown)	1
	075326-181	Wire, BK (Not Shown)	1
	075326-182	Wire, RD/YL (Not Shown)	1
5	084524-101	Spring Assembly	1
	079474-101	Screw, Hex-Head Mounting ¹ (Not Shown)	2

NOTE:

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- 1. This part must be ordered separately.



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Figure 3: Model 84522 Hold Switch Assembly, Exploded View

6. ASSEMBLY

6.01 To assemble the Model 84522 hold switch assembly, proceed as follows:

- (a) Place the spring assembly on the bracket assembly.
- (b) Tighten the spring assembly mounting screws to secure it in place.
- (c) Insert the small end of the plunger stem through the rounded contact tips into the bushing on the upper part of the bracket assembly.
- (d) Pull the rounded tips of the contacts away from the plunger stem. Push the plunger up into the bracket assembly.
- (e) Install the handle onto the plunger stem.
- (f) Align the hole in the plunger stem with the hole in the handle.
- (g) Insert the roll pin into the hole in the handle. Push the roll pin into the handle and plunger stem. The roll pin should be flush with the outside edge of the handle.

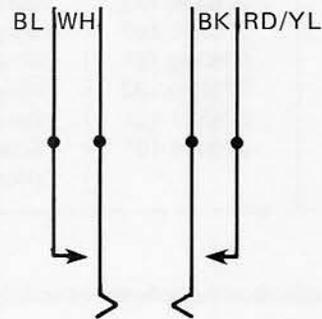
7. INSTALLATION

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

- (a) Remove the telephone housing.
- (b) Remove any telephone component that may obstruct access to the mounting location and the terminal board assembly.
- (c) Place the hold switch assembly over the two mounting holes located near the upper left area of the telephone base.
- (d) Insert the two hex-head mounting screws through the bottom of the telephone base.
- (e) Secure the hold switch assembly to the telephone base.

(f) Connect the wiring to the hold switch assembly. (See Figure 4.) The wiring must be soldered to the terminals on the hold switch assembly, or to the terminal board assembly located under the dial. Refer to the circuit label of the telephone in Volume 1 of the Telephone Apparatus Practices Manual.

(g) Before replacing the telephone housing, refer to OPERATION in Part 8 of this section.



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Figure 4: Model 84522 Hold Switch Assembly, Wiring Diagram

8. OPERATION

8.01 To manually check the operation of the hold switch assembly, proceed as follows:

- (a) Push down on the handle of the hold switch assembly. The handle should lock in the operated position.
- (b) Check for closing of both sets of contacts.
- (c) Pull up on the handle of the hold switch assembly. The handle should lock in the released position.
- (d) Check for opening of both sets of contacts.

8.02 After this operation check is completed, replace the telephone housing. The telephone housing must pass over the handle of the hold switch assembly without binding.