

DETAIL SPECIFICATION SHEET

SWITCHES, ROTARY, ENCLOSED, SUBMERSIBLE (15 FEET),
SNAP ACTION, 125 VOLTS ALTERNATING CURRENT, 10 AMPERE,
SYMBOLS 827.1 (SPECIAL), 850.1 (TPDT), AND 863 (4PDT)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-DTL-15743.

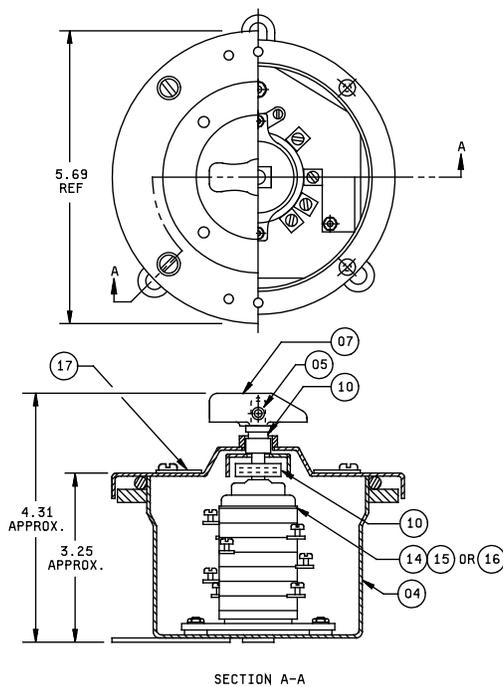


FIGURE 1. Switch, enclosed. 01,02,03
(-002 shown)

NOTES:

1. All dimensions in inches.
2. Unless otherwise specified herein, tolerances shall be as follows:
Two place decimals - plus or minus 0.02.
Three place decimals - plus or minus 0.005.
Angular dimensions - plus or minus 30 minutes.

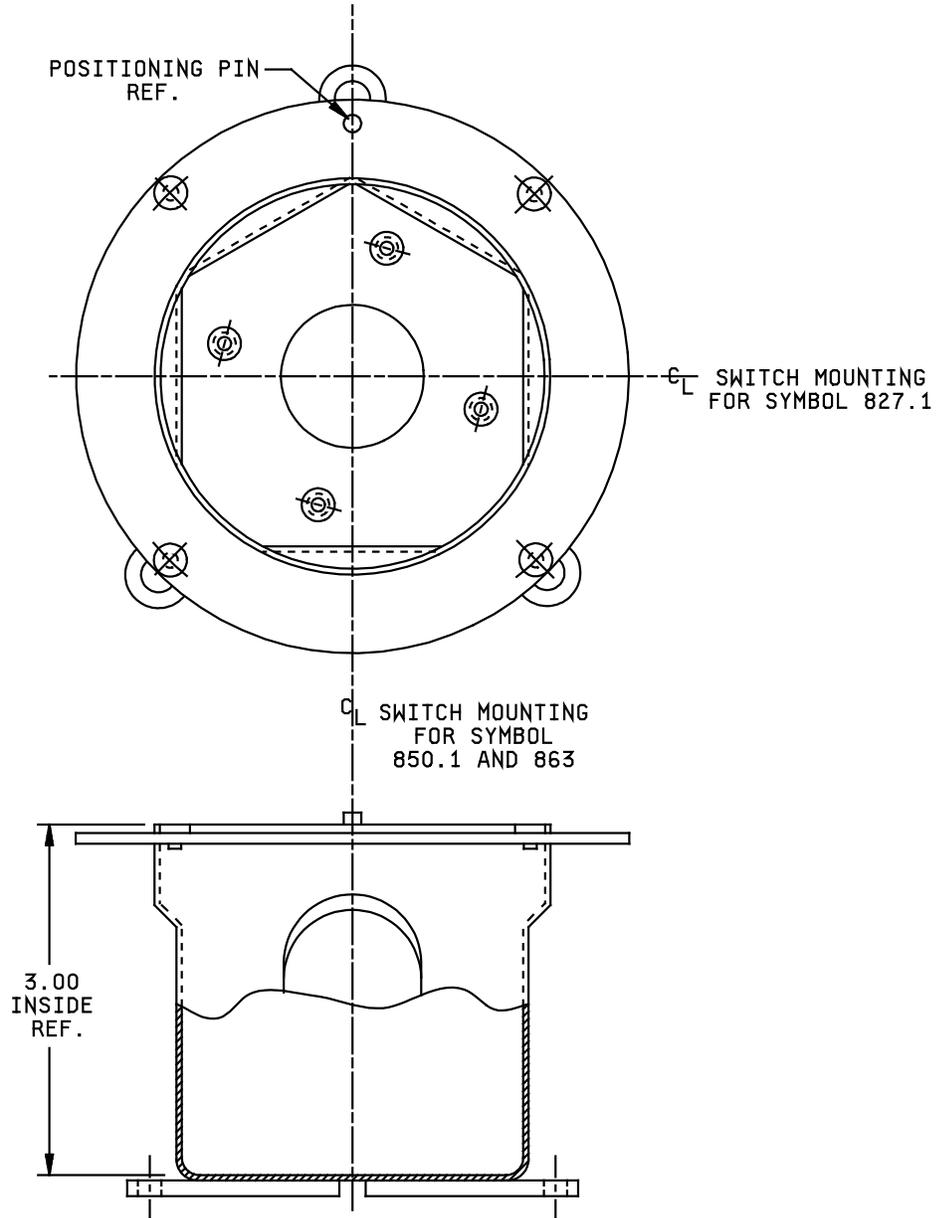


FIGURE 2. Box assembly.

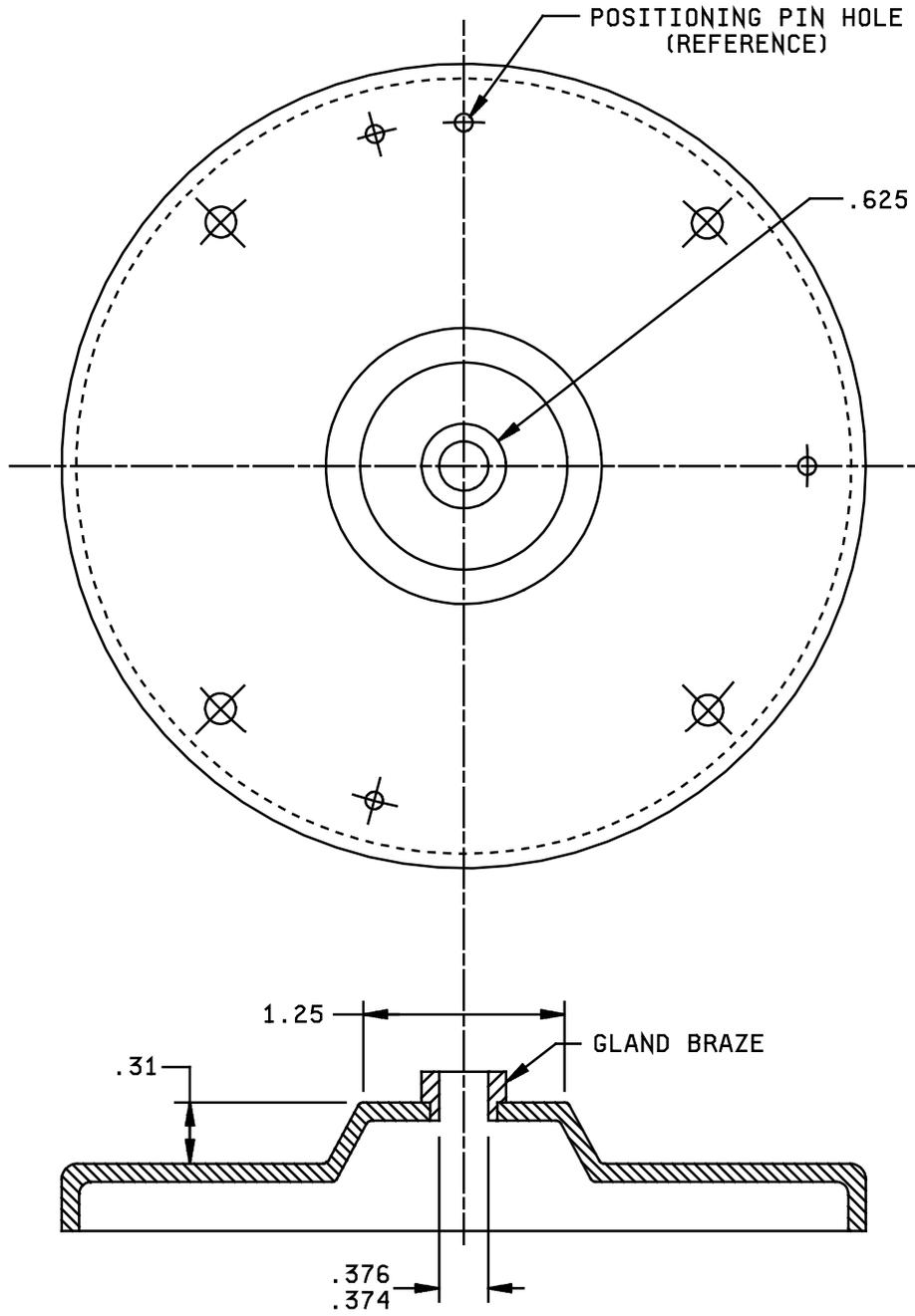
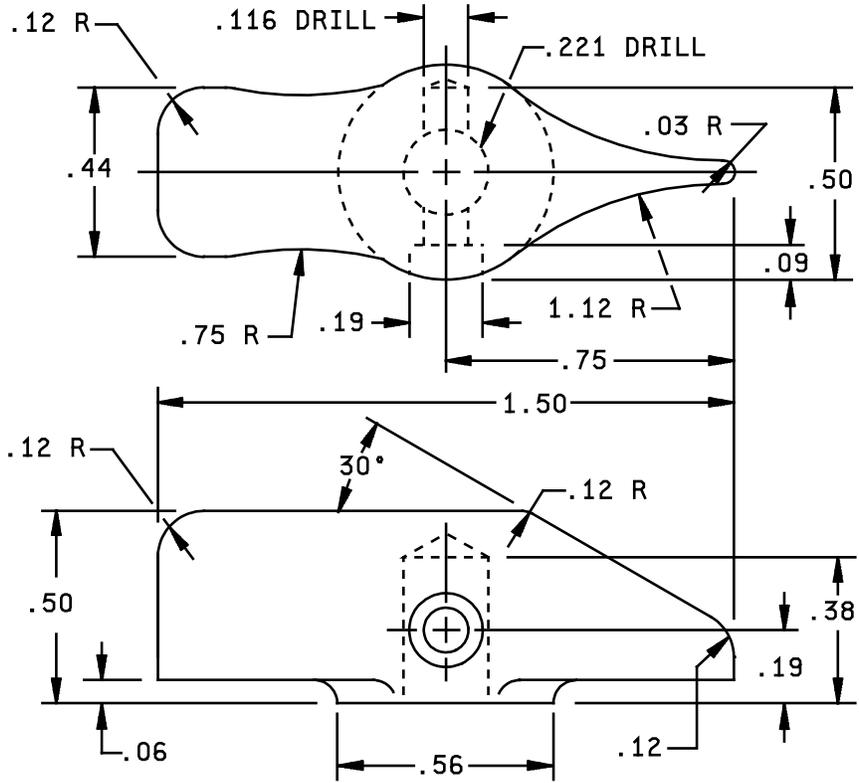


FIGURE 3. Cover assembly (modified).



B. SYMBOL 879.1

FIGURE 4. Handle. (06)

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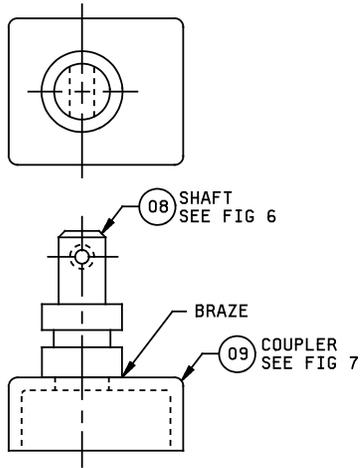


FIGURE 5. Shaft assembly. (07)

63/ ALL OVER, EXCEPT AS NOTED

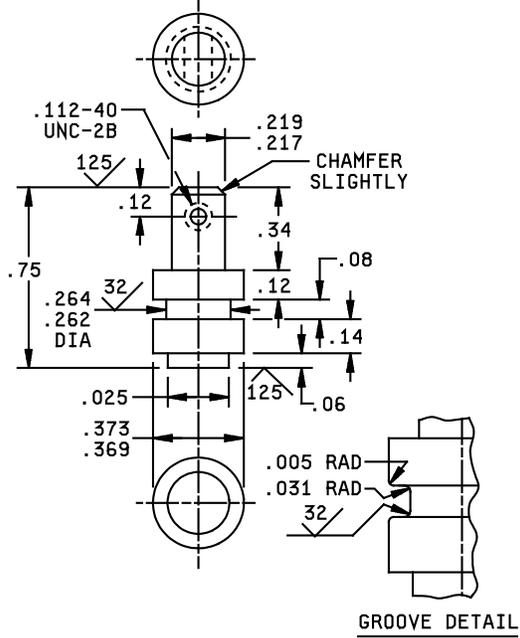


FIGURE 6. Shaft. (08)

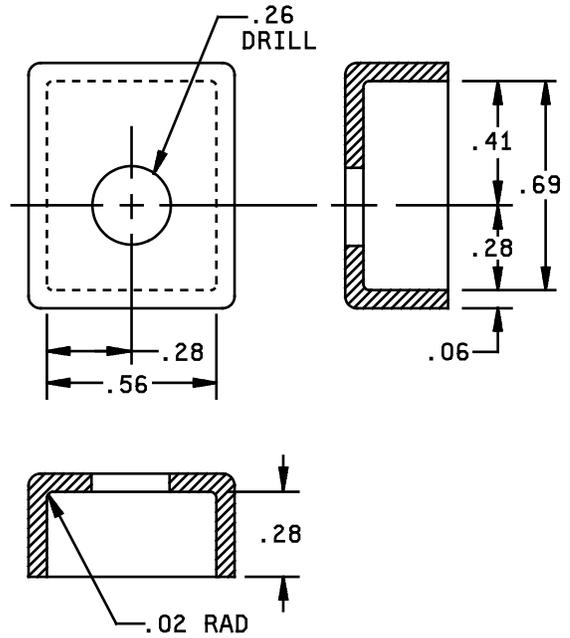


FIGURE 7. Coupler. (09)

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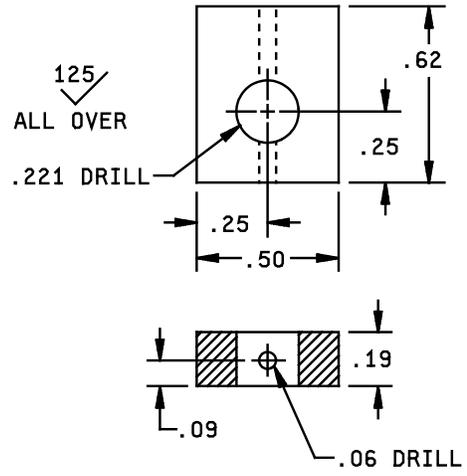


FIGURE 8. Coupler plate. (10)

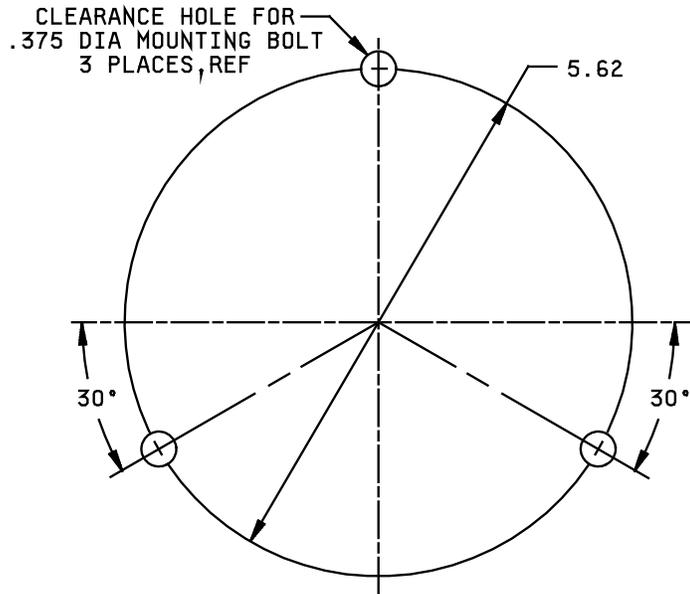


FIGURE 9. Mounting dimensions, ref.

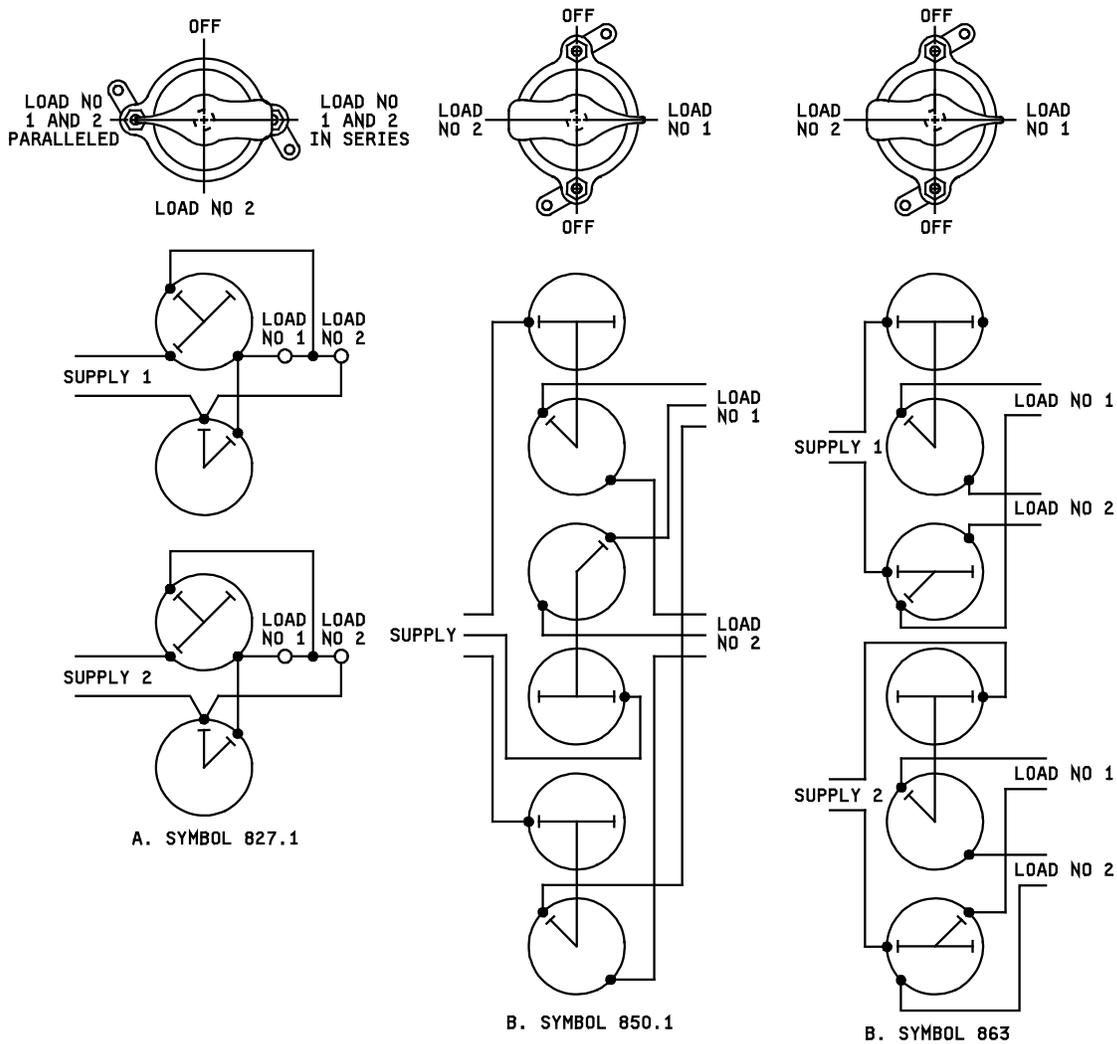


FIGURE 10. Wiring diagrams. (11)(12)(13)

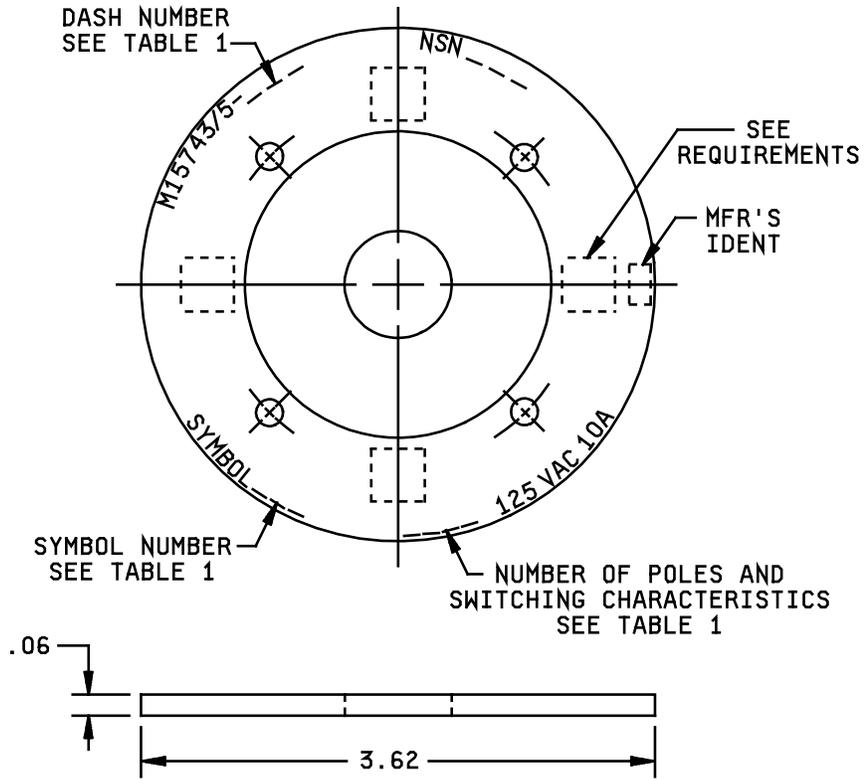


FIGURE 11. Identification plate. (17)

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REQUIREMENTS

SYMBOL NUMBER: See table I.

DESIGN:

Electrical rating: 125 V ac, 0-10 ampere, 60 Hz.

Dimensions and configuration: See figures 1 through 8.

Wiring diagram: See figure 10.

Mounting dimensions: See figure 9.

Degree of enclosure: Submersible (15 feet).

Weight:

(a) Symbols 827.1 and 850.1 3 pounds maximum.

(b) Symbol 863 3 pounds maximum.

Designation and marking: See figure 10.

Identification data shall be as shown on figure 10. Unless otherwise specified in the ordering data,

ON-OFF switch action marking shall be as shown on figure 10 and all others shall be left blank.

Parts: The parts shown in table II and as specified in MIL-DTL-15743 shall be used in the construction of the switches specified herein.

GENERAL INFORMATION:

Military part number and general information are as shown in table I.

TABLE I. Military part number and general information.

Military part no.	Symbol no.	No. of poles and switching characteristics	Supersedes ^{1/}		
			Type	Unit	Sheet
M15743/5-001	827.1	SPECIAL	1SRSS4-2	8	9
M15743/5-002	850.1	TPDT	1SR3B4-2	5	6
M15743/5-003	863	4PDT	1SR4B4-2	12	13

^{1/} NAVSEA Drawing 9000-S6202-74207, in part.

ORDERING DATA:

Acquisition documents should specify the following:

Switch action marking, if required (see requirements).

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TABLE II. Parts list.

Item no. ^{1/}	Description	Quantity M15743/5-			Material/specification	Remarks
		001	002	003		
01	Switch, enclosed (sym 827.1)	-				See figure 1
02	Switch, enclosed (sym 850.1)		-			See figure 1
03	Switch, enclosed (sym 863)			-		See figure 1
04	Enclosure	1	1	1	Brass, MIL-E-24142/5 (modified)	See figure 2 & 3 M24142/5-002
05	O-ring	1	1	1	SAE-AS28775-010	----
06	Handle	1	1	1	Copper alloy ASTM B584	See figure 4
07	Shaft assembly	1	1	1	----	See figure 5
08	Shaft	1	1	1	Ni-Cu alloy of QQ-N-281	See figure 6
09	Coupler	1	1	1	Brass, ASTM B36/B36M, ASTM B121/B121M	See figure 7
10	Coupler plate	1	1		CRES, or equivalent	See figure 8
11	Wiring diagram	1			MIL-E-2036	See figure 10
12	Wiring diagram		1		MIL-E-2036	See figure 10
13	Wiring diagram			1	MIL-E-2036	See figure 10
14	Switch (type 1SRSS4)	1			Drawing 9000- S6202-74085	
15	Switch (type 1SR3B4)		1		MIL-DTL-15291/3	M15291/3-011
16	Switch (type 1SR4B4)			1	MIL-DTL-15291/3	M15291/3-012
17	Identification plate	1	1	1	ASTM B36/B36M, ASTM B121/B121M	See figure 11

^{1/} Numbers in circles shown on the figures are the same as the item numbers shown in this table.

Referenced documents. In addition to MIL-DTL-15743, this document references the following:

MIL-E-2036	QQ-N-281	ASTM-B584
MIL-DTL-15291/3	ASTM-B36/B36M	NAVSEA DWG 9000-S6202-74207
MIL-E-24142/5	ASTM-B121/B121M	

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where modifications from this revision were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Custodian:
Navy – SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2014-008)

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