C100 LINE ASSEMBLY INSTRUCTIONS

SNAP ACTION PUSHBUTTON SWITCHES

SAFRAN
Labinal Power Systems

Component Part Determination

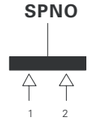
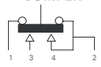
The C100 line of switches is made up of several switch base P/N Series (Chart 1), which are all similar except for circuit configuration. The C100 switchline is available with auxiliary mounting adapters (and associated auxiliary plunger caps) or complete and ready for mounting as shown on this page. Each switch is supplied complete as shown with all hardware (supplied unassembled).

The completed catalog number is a composite made up of the base switch P/N, suffix number and suffix letters (when used), which represents one of the components.

To order any P/N identified on this page, select the switch base P/N from Chart 1 and the plunger cap style from Chart 2 as indicated.

Order the complete P/N (including - codes when used). The switch will be supplied from the factory marked with P/N (and - code when used) as ordered.

CHART 1

Base P/N	
SPNO 	C100 C111
SPNC	C3100 C112
TWO CIRCUIT	C200 C113
CENTER TERMINAL	A800 C114
CENTER TERMINAL	A11200 C115
TERM JUMPER 	C4100 C116 *See page 6 Note #3.*

Mounting Nut

Internal Tooth Lockwasher

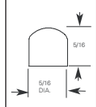
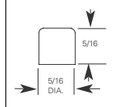
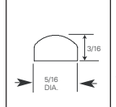
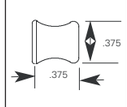
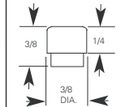
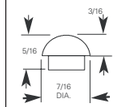
Terminal Solder Lug Kit

C200 **6** **-HQ**

CHART 3

Dash Code (When Used)
- HQ: UL Label **- DT:** Gold Plated Contacts/Terminals See Handbook Bulletin #50-32559 for complete listing.

CHART 2

Standard Plunger Caps for Pushbutton Switches						Color Code
No. 2	**No. 3**	**No. 6**	**No. 7***	**No. 8**	**No. 9**	**White:** W **Red:** R **Black:** No Letter
						

Dimensions shown are extension above threaded bushing.
* Maintained only.

Switch with Overtravel Adapter - Component Part Determinations

To build any P/N identified on this page, three steps are required:

1. Divide the P/N as shown.
2. Select and order the switch base P/N from Chart 5 and the adapter P/N from Chart 4.
   a. The switch base P/N must use a #6 plunger cap (see assembly example in Chart 5).
   b. The -code (-DT in the example) usually applies to the switch but may also apply to the adapter.

   See Handbook Bulletin #50-32559 for additional details.

   When used, dash codes such as -DT (gold plated contacts/terminals) and -HQ (UL Listing), apply to the switch and must be indicated as part of the base switch P/N. The base switch will be supplied from the factory marked with the base P/N and the "-Code".

   See Handbook Bulletin #50-32559 for complete listing of "-Codes".
3. Assembly. Insert the auxiliary plunger into the plunger cap. Insert both parts into the case and screw case on the base switch. Mark the completed switch assembly with the required P/N.

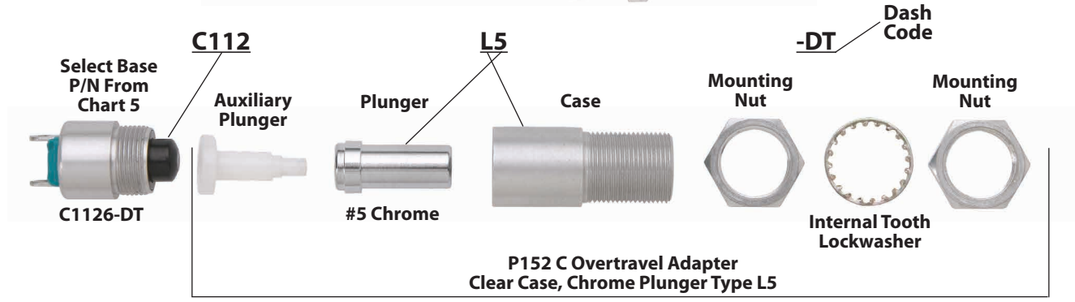
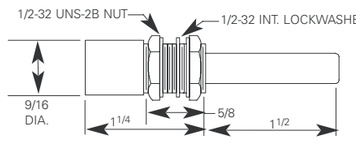


CHART 4

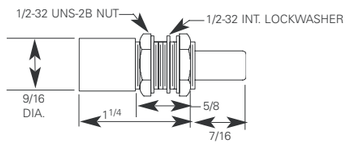
Overtravel Adapters

Type "L" Adapter with #51 Plunger Cap



Switch Designator	Overtravel Adapter P/N, Case and Plunger Color	
L51B	P490B	Clear Case, Black Plunger
L51R	P490R	Clear Case, Red Plunger
L51	P490C	Clear Case, Chrome Plunger
LB51B	P490BB	Black Case, Black Plunger
LB51R	P490BR	Black Case, Red Plunger
LB51	P490BC	Black Case, Chrome Plunger

Type "L" Adapter with #5 Plunger Cap



Switch Designator	Overtravel Adapter P/N, Case and Plunger Color	
L5B	P152B	Clear Case, Black Plunger
L5R	P152R	Clear Case, Red Plunger
L5	P152C	Clear Case, Chrome Plunger
LB5B	P152BB	Black Case, Black Plunger
LB5R	P152BR	Black Case, Red Plunger
LB5	P152BC	Black Case, Chrome Plunger

Adapter Colors

Clear: No Letter

Black: B

Plunger Cap Colors

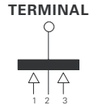
Chrome: No Letter

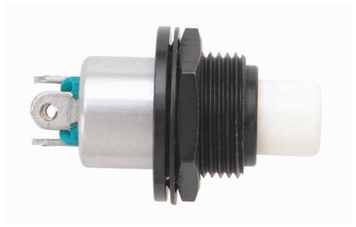
Black: B

Red: R

Component Part Determination

CHART 5

Base P/N	
SPNO	C1006 C1116
SPNC	C31006 C1126
TWO CIRCUIT	C2006 C1136
CENTER TERMINAL 	A8006 C1146
CENTER TERMINAL	A112006 C1156
TERM JUMPER	C41006 C1166 *See page 6 Note #3.*



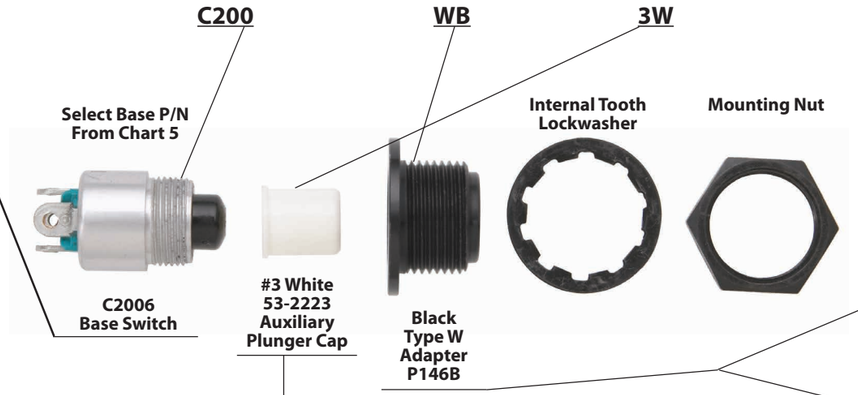
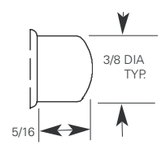
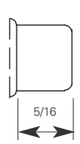
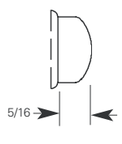


CHART 6

Standard Plunger Caps for Base Switch with Adapter						
	No. 2 		No. 3 		No. 4 	
Colors	**Part No.**	**Old No.**	**Part No.**	**Old No.**	**Part No.**	**Old No.**
BLACK	47-24966	227021	53-2223-6	227236	53-2230	227400
RED	47-24966-2	227022	53-2223-7	227237	53-2230-2	227401
WHITE	47-24967	227026	53-2223	227241	53-2230-7	227406

Switch with Overtravel Adapter - Component Part Determinations

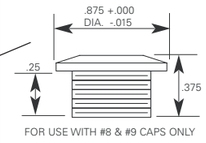
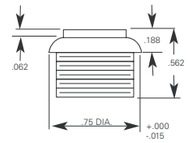
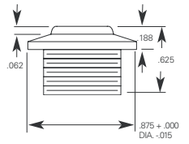
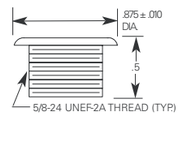
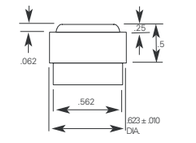
To build any P/N identified on these pages, three steps are required:

1. Divide the P/N as shown.
2. Select and order the switch base P/N from Chart 5. Select and order the auxiliary plunger cap from Chart 6 and select and order the adapter P/N from Chart 7.
   a. The switch base P/N must use a #6 plunger cap (see assembly example on Page 6).
   b. The - code, when shown, may apply to the switch base or to the adapter as in cases of engraving or special mounting. Check Handbook Bulletin #50-32559 for complete listing of -codes and applicability.
3. Assembly. Insert auxiliary plunger cap into the adapter and screw adapter on the base switch. Mark the completed switch assembly with the required P/N.

Chart 8 - Switches supplied with #8 and #9 plunger caps can be used with or without an adapter. When an adapter is required, only Type B (P148 and P148B) adapter can be used.

CHART 7

Standard Adapter Types and Colors

Type B	Type D	Type E	Type HA	Type M
 FOR USE WITH #8 & #9 CAPS ONLY				
P148 Clear **P148B Black**	**P141 Clear** **P141B Black**	**P142 Clear** **P142B Black**	**P242 Clear** **P242B Black**	**P244 Clear** **P244B Black**

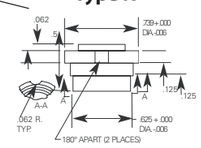
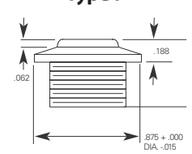
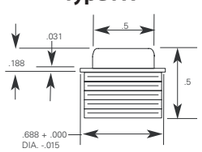
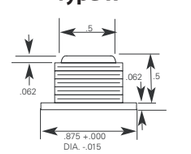
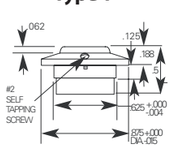
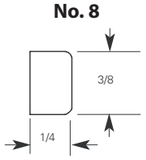
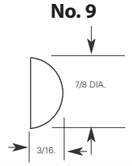
Type N	Type P	Type PA	Type W	Type Y
				
P245 Clear **P245B Black**	**P143 Clear** **P143B Black**	**P144 Clear** **P144B Black**	**P146 Clear** **P146B Black**	**P147 Clear** **P147B Black**

CHART 8

Switch with #8 or #9 Plunger Cap

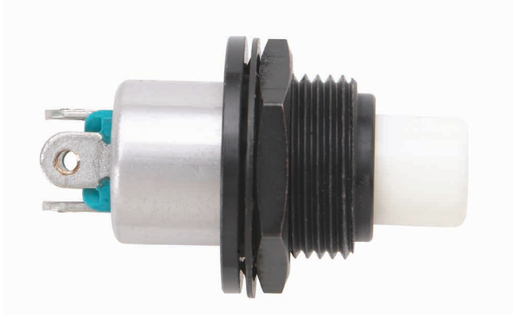
No. 8	No. 9
	

Used with Type B Adapter Only

Auxiliary Plunger Caps are not used with #8 or #9 caps.
See page 1 for component parts.

ASSEMBLY INSTRUCTIONS
C100 LINE – SNAP ACTION PUSHBUTTON SWITCHES

Adapter & Switch Assembly



To build switch assemblies with any adapter shown on pages 3, 4 and 5, the base switch must have a #6 plunger cap (any color is acceptable). The combination of adapters and auxiliary plunger caps is designed to use the base switch with the #6 plunger cap. A complete list of base switches with the #6 plunger caps is shown on page 4, Chart 5.

Notes:

1. All mounting and terminal hardware supplied unassembled with each switch and adapter (as required).

2. Solder Lug Kit P/N:

75-4005 may be used with SPNO, SPNC and Center Terminal Switches.

75-4007 may be used with Two Circuit Switch.

75-4009 may be used with SPDT Switch.

3. For C4100 and C116 (SPDT Circuit).

Supply C200 or C113 Base P/N Switch with Terminal Lug/Jumper Kit #75-4009.

4. Mounting Hardware P/N.

1/2-32 Clear Mounting Nut:	Ref: 15-1577
1/2-32 Black Mounting Nut:	Ref: 15-1577-2
5/8-24 Clear Mounting Nut:	Ref: 15-1572
5/8-25 Black Mounting Nut:	Ref: 15-1597
1/2 I.D. Lockwasher, Clear:	Ref: 16-3207
1/2 I.D. Lockwasher, Black:	Ref: 16-3208
5/8 I.D. Lockwasher, Clear:	Ref. 16-3209
5/8 I.D. Lockwasher, Black:	Ref: 16-3209-2
#2 Self Tapping Screw, Clear:	Ref: 11-4090
#2 Self Tapping Screw, Black:	Ref: 11-4090-2

For additional C100 Series Snap-Action Pushbutton Switch information, contact the factory.

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