

W100 LINE ASSEMBLY INSTRUCTIONS

MOISTURE PROOF PUSHBUTTON SWITCHES



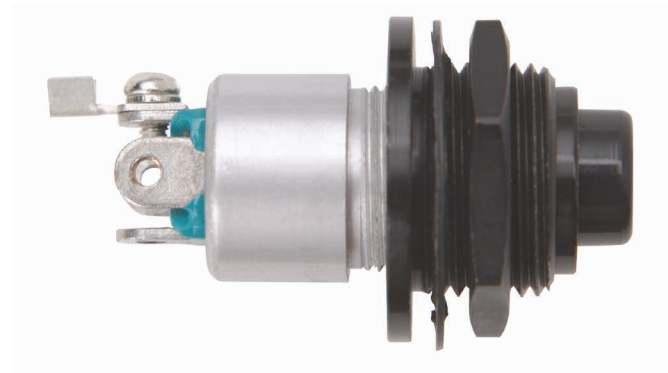
Component Part Determination

The W100 line of switches is made up of several switch-base part number series (Chart 1 & Chart 4), which are all similar except for circuit configuration. These switches are normally used with auxiliary mounting adapters. Each switch is supplied complete as shown with all hardware (supplied unassembled).

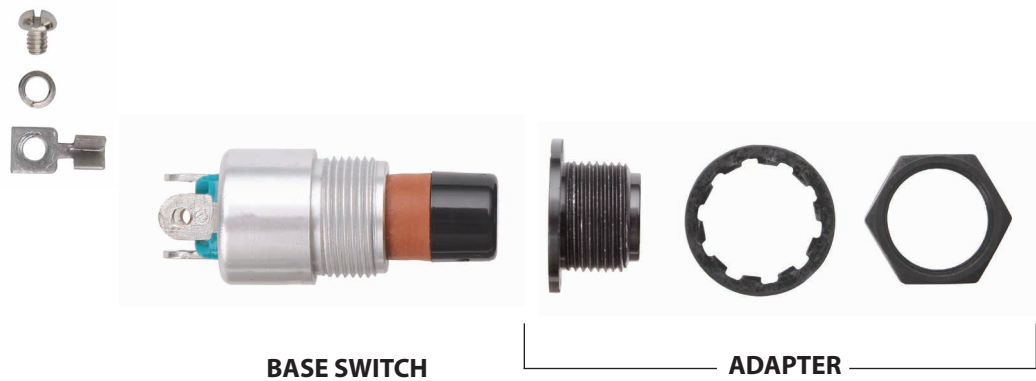
The completed catalog number is a composite made up of the base switch part number, suffix numbers and suffix letters, which represents one of the components. To simplify ordering information, convert to the base component part number, assemble, and mark as required.

To determine the part number for each component required to make the completed switch catalog number:

1. Divide the catalog number into groupings as shown below.
2. Locate the part number shown in each chart.
3. Assemble and mark with appropriate part number.



TYPICAL SWITCH



W100 Switches with "L" Type Overtravel Adapters — Component Part Determinations

To determine the C-H component part numbers required to make the complete switch catalog number with Overtravel Adapter:

1. Divide
2. Locate.
3. Assemble and mark.

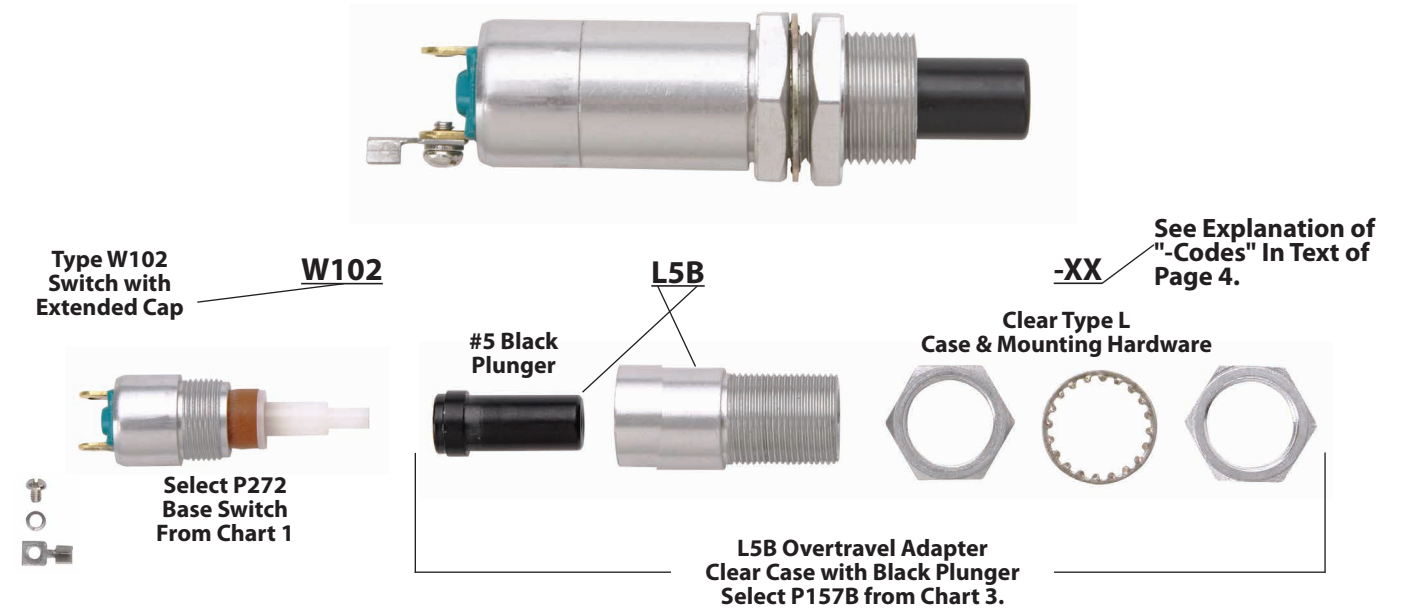


CHART 1						
BASE SWITCH P/N REFERENCE FOR OVERTRAVEL ADAPTERS						
For Series W100	W101	W102	W103	W104	W105	W106
Use Base P/N	P271	P272	P273	P274	P275	See Note 3, Page 7.

Typical Part Numbers:				
W101W6R	W104M7W-DT	W101PB6R-DT-C39	W114PA7R	
W1036				
Base Switch:				
P2616R	P2647W-DT	P2616R-DT	W1147R	W1036
Adapter:				
P146B	P143B	P143B-C39	P144	

TO BUILD ANY W100 SWITCH TYPE, DIVIDE THE COMPLETED PART NUMBER.

To build the switch, combine series switch P/N and plunger cap type and color designator. Add "-Codes" when applicable and order base switch from Chart 4.

Example:
 W1016R is W1016R
 W104P7W-DT is P2647W-DT & P143

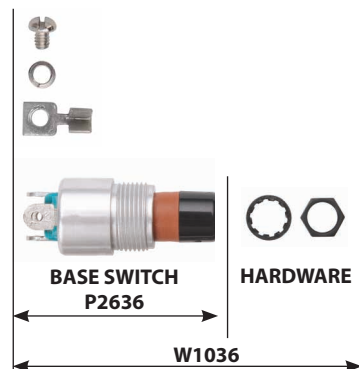
Identifies switch series and circuit type.

When ordered from factory as:

"P" part number ex; P2636 the switch is supplied complete with plunger cap and terminal hardware.

"W" part number ex; W1036 the switch is supplied complete with plunger cap, terminal hardware and mounting hardware.

Note: "P" part numbers are not sold as end part numbers.



W101 W104 W101 W103	W M PB	6R 7W 6R 6	-DT -DT - C39
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-DT indicates gold plate contacts/terminals on switch.
 -C39 applies to engraving on adapter flange.

See Handbook Bulletin 50-32559 for complete listing.

Plunger cap type and color. See Chart 5. (Supplied with switch)

Adapter type and color. See Chart 6. Add "-Codes" when applicable for W100 series. PB-C39 is P143B-C39 (-C39 applies to engraving to be added on adapter flange).

CHART 4						
Base Switch P/N Reference						
For Series W100	W101	W102	W103	W104	W105	W106
Use Base P/N	P261	P262	P263	P264	P265	See Note 3, Page 7.

CHART 5						
Plunger Cap Types & Extension						
No. 2	No. 3	No. 4	No. 6	No. 7*	No. 34	Color Code
						Black: No Letter Red: R White: W

*Maintained Only

TO BUILD ANY W100 SWITCH TYPE, DIVIDE THE COMPLETED PART NUMBER.

To build the switch, combine series switch P/N and plunger cap type and color designator. Add "-Codes" when applicable and order base switch from Chart 4.

Example:
 W1147R is W1147R
 W1404 is W1404

Identifies switch series and circuit type. The switch is supplied complete with plunger cap.

W114 PA	7R	-DT
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- DT indicates gold plate contacts/terminals on switch.
 See Handbook Bulletin 50-32559.

Plunger cap type and color. See Chart 5. (Supplied with switch)

Adapter type and color. See Chart 6.

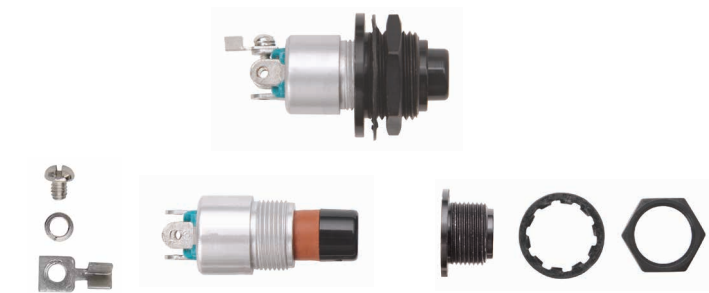


CHART 6				
Standard Adapter Types and Colors				
Type D	Type E	Type HA	Type M	Type N
P141 Clear P141B Black	P142 Clear P142B Black	P242 Clear P242B Black	P244 Clear P244B Black	P245 Clear P245B Black

P143 Clear P143B Black	P144 Clear P144B Black	P146 Clear P146B Black	P147 Clear P147B Black

Component Part Determination For W110 Switch Series With Overtravel Adapter

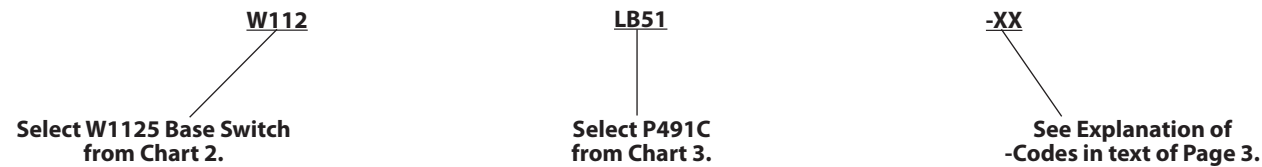


CHART 2						
Base Switch P/N Reference For Overtravel Adapters						
For Series W110	W111	W112	W113	W114	W115	W116
Use Base P/N	W1115	W1125	W1135	W1145	W1155	See Note 3, Page 7.

CHART 3				
Standard Overtravel Adapters				
Type "L" Adapter with #51 Plunger Cap 		Type "L" Adapter with #5 Plunger Cap 		Adapter Colors Clear: No Letter Black: B
Switch Designator L51B L51R L51 LB51B LB51R LB51	Overtravel Adapter P/N, Case and Plunger Color P491B Clear Case, Black Plunger P491R Clear Case, Red Plunger P491C Clear Case, Chrome Plunger P491BB Black Case, Black Plunger P491BR Black Case, Red Plunger P491BC Black Case, Chrome Plunger	Switch Designator L5B L5R L5 LB5B LB5R LB5	Overtravel Adapter P/N, Case and Plunger Color P157B Clear Case, Black Plunger P157R Clear Case, Red Plunger P157C Clear Case, Chrome Plunger P157BB Black Case, Black Plunger P157BR Black Case, Red Plunger P157BC Black Case, Chrome Plunger	Plunger Cap Colors Chrome: No Letter Black: B Red: R

Special Notes for W100 Switches

Notes:

- All mounting and terminal hardware supplied unassembled with each switch and adapter (as required).
- 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.
- Terminal solder lung/ jumper kit #75-4009 is supplied with these part numbers.
 Alternate: Use P273, W113X or P263 base part number switch types and supply kit #75-4009.

- ≠Mounting hardware part numbers reference.
 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
 5/8-24 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 information, contact the factory.

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