



FOLGER ADAM SECURITY INC.
A member of the Yale Security Group

600 Series Parts Manual



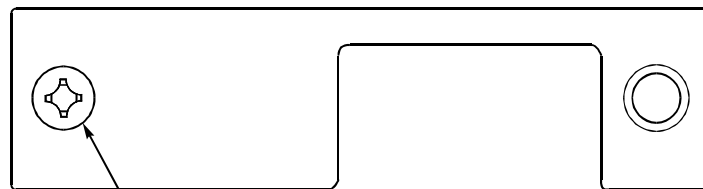
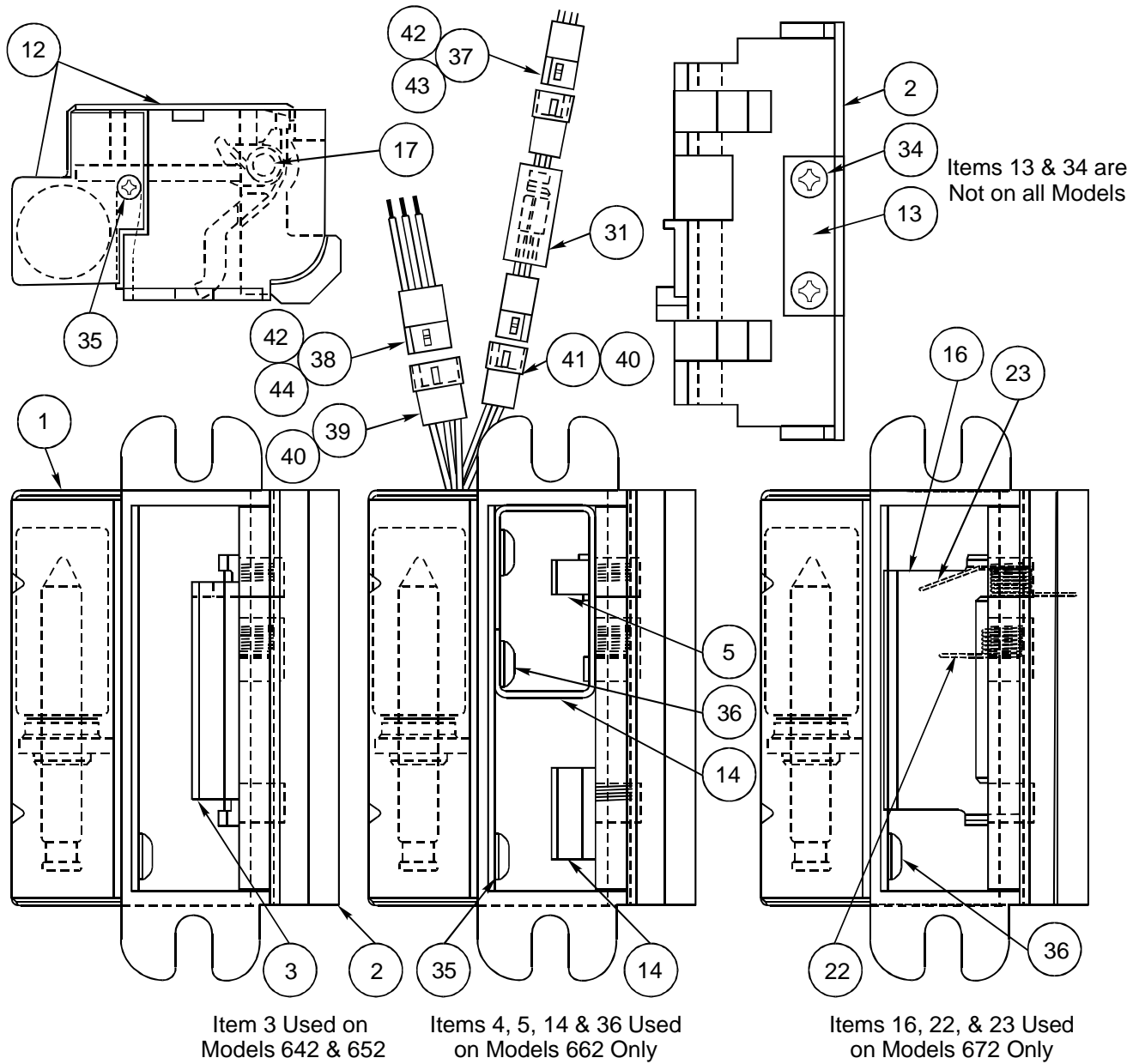


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600 STRIKE ASSEMBLY VIEWS

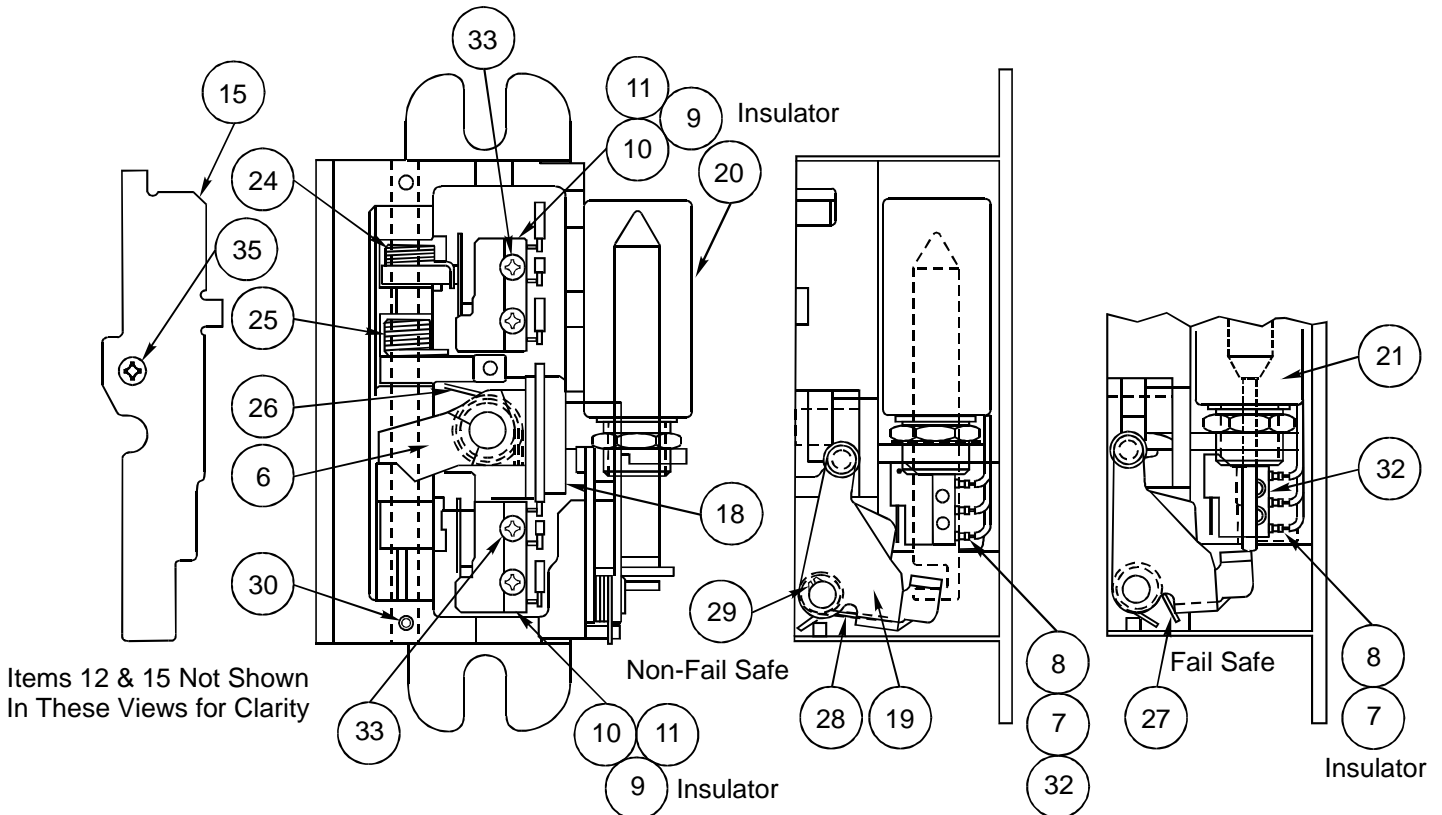


Faceplate and Mounting Screws are Available in Various Finishes. See Page 6.



600 STRIKE REPAIR PARTS LIST

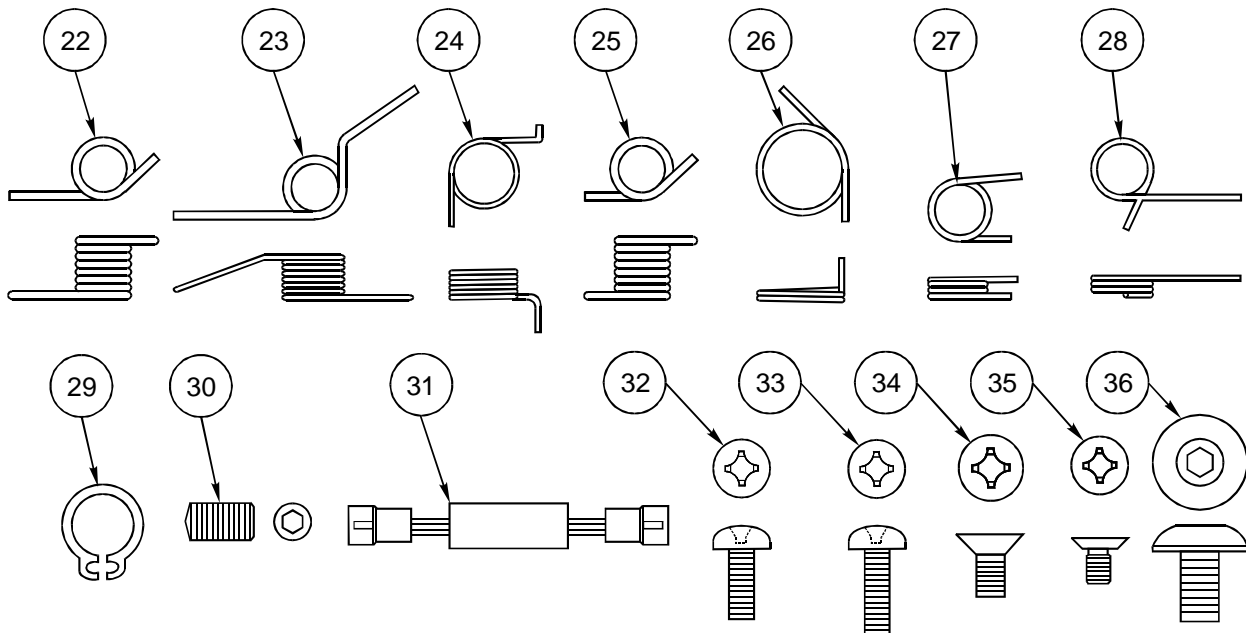
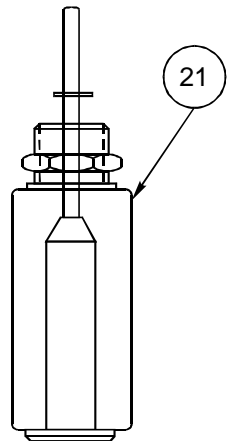
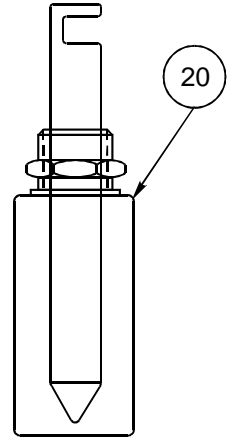
Item	Description	Part Number
1	Case Assembly	076-0012-002
2	Keeper Machined	012-0624-002
3	642, 652 Switch Tripper	013-0617-001
4	662 Latch Bolt Switch Tripper	013-0618-001
5	662 Deadbolt Switch Tripper	013-0619-001
6	Locking Lever Casting	013-0616-001
7	LCM Switch Insulator	005-0703-001
8	LCM Switch Assembly	076-1215-001
9	LBM/DBS Switch Insulator	005-0719-001
10	LBM Switch Assembly 640/650/660	076-1216-001
11	DBS Switch Assembly 660	076-1217-001
12	Back Cover Stamping	008-0610-001
13	Cylindrical Keeper Block 640	012-0625-001
14	Deadbolt Retainer 660	008-0614-001
15	Post Support Stamping	008-0611-001
16	Deadbolt Catcher 670	008-0612-001
17	Keeper Pin	011-0604-001
18	Wire Channel Stamping	008-0613-001
19	Locking Cam Assembly	076-0203-001





600 STRIKE REPAIR PARTS LIST

Item	Description	Part Number
20	Solenoid 6VDC Pull	076-0127-001
	Solenoid 12VDC Pull	076-0127-002
	Solenoid 16VDC Pull	076-0127-003
	Solenoid 24VDC Pull	076-0127-004
	Solenoid 48VDC Pull	076-0127-005
	Solenoid 115VDC Pull	076-0127-006
	Solenoid 6VDC Pull w/Plug	076-0128-013
	Solenoid 12VDC Pull w/Plug	076-0128-014
	Solenoid 16VDC Pull w/Plug	076-0128-015
	Solenoid 24VDC Pull w/Plug	076-0128-016
	Solenoid 48VDC Pull w/Plug	076-0128-017
	Solenoid 115VDC Pull w/Plug	076-0128-018
21	Solenoid 6VDC Push	076-0126-001
	Solenoid 12VDC Push	076-0126-002
	Solenoid 16VDC Push	076-0126-003
	Solenoid 24VDC Push	076-0126-004
	Solenoid 48VDC Push	076-0126-005
	Solenoid 115VDC Push	076-0126-006
	Solenoid 6VDC Push w/Plug	076-0128-001
	Solenoid 12VDC Push w/Plug	076-0128-002
	Solenoid 16VDC Push w/Plug	076-0128-003
	Solenoid 24VDC Push w/Plug	076-0128-004
	Solenoid 48VDC Push w/Plug	076-0128-005
	Solenoid 115VDC Push w/Plug	076-0128-006



600 STRIKE REPAIR PARTS LIST (Continued)

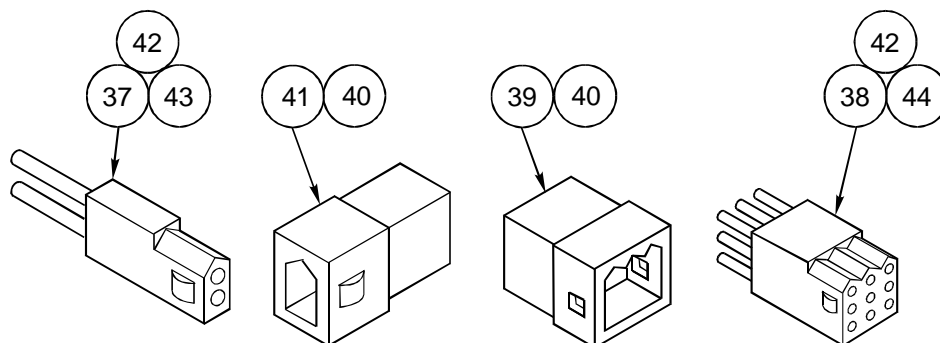
Item	Description	Part Number
22	670 Deadbolt Keeper Spring	003-0250-001
23	670 Deadbolt Catcher Spring	003-0249-001
24	Switch Tripper Spring	003-0244-001
25	640/650/660 LB Keeper Spring	003-0248-001
26	Locking Lever Spring	003-0247-001
27	Cam Spring Fail-Safe	003-0246-001
28	Cam Spring Non-Fail-Safe	003-0245-001
29	Retaining Ring 5100-18	002-6301-009
30	SSSC 4-40 x 1/4" LG Cup PT	002-1200-010
	Rect AY 600 0-15 Volt	076-0712-001
31	Rect AY 600 16-30 Volt	076-0712-002
	Rect AY 600 48-120 Volt	076-0712-003
32	PHPMS 2-56 x 5/16" LG	002-2303-001
33	PHPMS 2-56 x 3/8" LG	002-2303-133
34	FHPMS 6-32 x 3/8" LG	002-2301-023
35	FHPMS 4-40 x 3/16" UC SST	002-2301-387
36	BHCS 10-32 x 1/4" LG Zinc	002-2800-143
37	Solenoid Field Receptacle Assembly	076-0603-001
38	Indication Field Receptacle Assembly	076-0602-001
39	Connector Plug 9 Pin-Switches	005-1705-001
40 ²	Connector Contact Pin	005-1707-002
41	Connector Plug 2 Pin-Solenoid	005-1705-002
42 ^{1,2}	Receptacle Contact Socket	005-1708-003
43 ¹	Connector Receptacle 2 Pin-Solenoid	005-1706-002
44 ¹	Connector Receptacle 9 Pin-Switches	005-1706-001

¹ Items 42 and 43 are part of Item 37.

¹ Items 42 and 44 are part of Item 38.

² Crimping these pins and sockets requires a special tool, Waldom PN WHTR-1031-E.

² Removing pins and sockets requires Waldom tool PN WHT-2038.





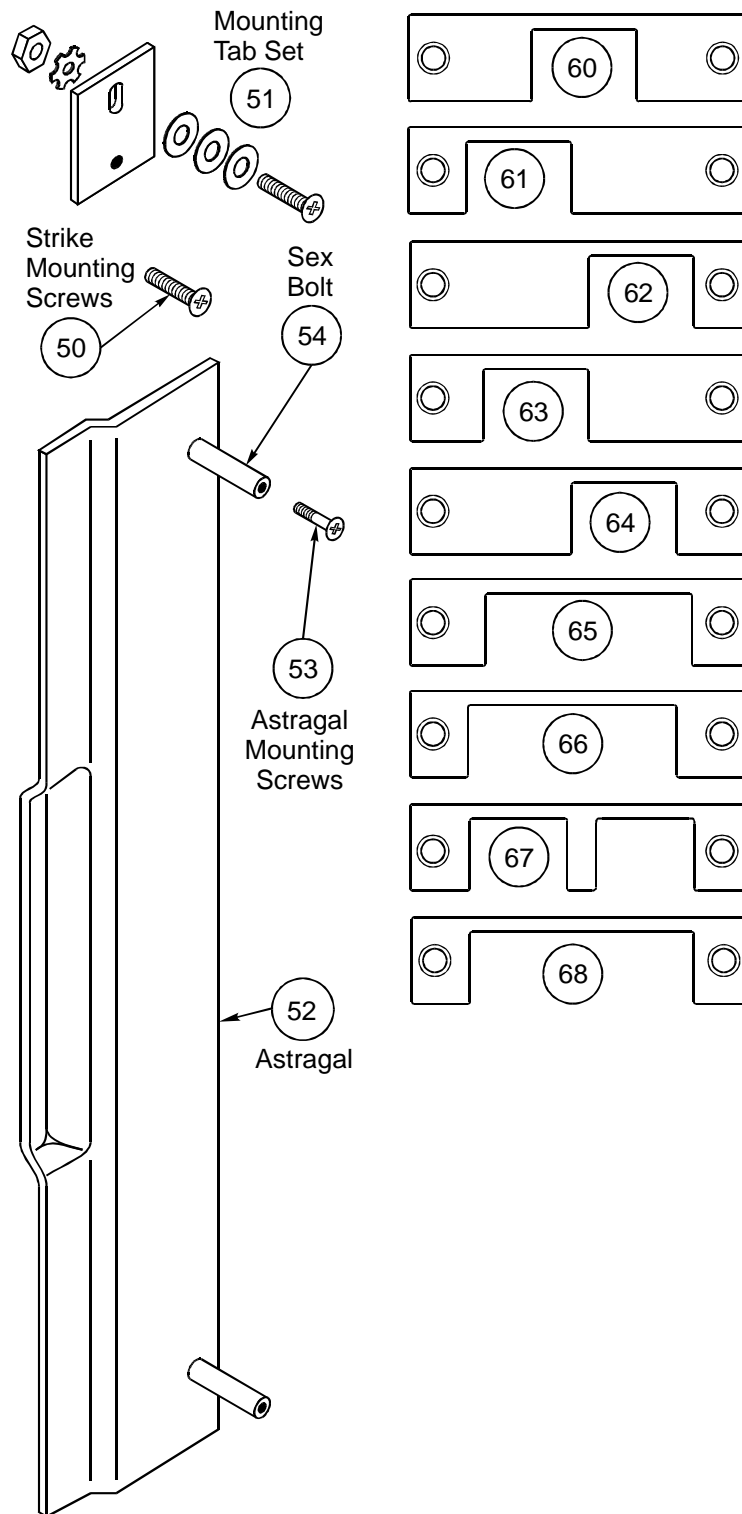
600 STRIKE FACE PLATES AND MOUNTING ACCESSORIES

Mounting Screws and Accessories

Item	Description	Part Number
50	FHPMS 12-24 x 1/2 UC US3	002-2301-039
	FHPMS 12-24 x 1/2 UC US4	002-2301-031
	FHPMS 12-24 x 1/2 UC US10	002-2301-032
	FHPMS 12-24 x 1/2 UC US10B	002-2301-033
	FHPMS 12-24 x 1/2 UC SST	002-2301-037
51	Mounting Tab Set W/SCS Brass	076-0803-001
	Mounting Tab Set W/SCS US10	076-0803-002
	Mounting Tab Set W/SCS US10B	076-0803-003
	Mounting Tab Set W/SCS US26	076-0803-004
	Mounting Tab Set W/SCS US26D	076-0803-005
52	Astragal Plate US3	008-0627-004
	Astragal Plate US4	008-0627-005
	Astragal Plate US10	008-0627-006
	Astragal Plate US10B	008-0627-007
	Astragal Plate US19	008-0627-008
	Astragal Plate US26	008-0627-009
	Astragal Plate US26D	008-0627-010
	Astragal Plate US27	008-0627-011
	Astragal Plate US28	008-0627-012
	Astragal Plate US32	008-0627-013
	Astragal Plate US32D	008-0627-014
53	BHTS 1/4-20 x 1-1/4 US4	002-0705-451
	BHTS 1/4-20 x 1-1/4 US26D	002-0705-452
54	Sex Bolt US4	002-1106-001
	Sex Bolt US10B	002-1106-002
	Sex Bolt US26D	002-1106-003
60	642 Faceplate CYL-ARL US3	008-0607-002
	642 Faceplate CYL-ARL US4	008-0607-003
	642 Faceplate CYL-ARL US10	008-0607-004
	642 Faceplate CYL-ARL US10B	008-0607-005
	642 Faceplate CYL-ARL US26	008-0607-006
	642 Faceplate CYL-ARL US26D	008-0607-007
	642 Faceplate CYL-ARL US32	008-0606-002
	642 Faceplate CYL-ARL US32D	008-0606-003
	642 Faceplate CYL-ARL US19	008-0606-034



600 STRIKE FACEPLATES AND MOUNTING ACCESSORIES (Continued)





600 STRIKE FACEPLATES AND MOUNTING ACCESSORIES (Continued)

Item	Description	Part Number
61	652 Face Plate RH SYL US3	008-0607-009
	652 Face Plate RH SYL US4	008-0607-010
	652 Face Plate RH SYL US10	008-0607-011
	652 Face Plate RH SYL US10B	008-0607-012
	652 Face Plate RH SYL US26	008-0607-013
	652 Face Plate RH SYL US26D	008-0607-014
	652 Face Plate RH SYL US32	008-0606-011
	652 Face Plate RH SYL US32D	008-0606-012
	652 Face Plate RH SYL US19	008-0606-035
62	652 Face Plate LH SYL US3	008-0607-016
	652 Face Plate LH SYL US4	008-0607-017
	652 Face Plate LH SYL US10	008-0607-018
	652 Face Plate LH SYL US10B	008-0607-019
	652 Face Plate LH SYL US26	008-0607-020
	652 Face Plate LH SYL US26D	008-0607-021
	652 Face Plate LH SYL US32	008-0606-014
	652 Face Plate LH SYL US32D	008-0606-015
	652 Face Plate LH SYL US19	008-0606-036
63	652 Face Plate RH RFL US3	008-0607-037
	652 Face Plate RH RFL US4	008-0607-038
	652 Face Plate RH RFL US10	008-0607-039
	652 Face Plate RH RFL US10B	008-0607-040
	652 Face Plate RH RFL US26	008-0607-041
	652 Face Plate RH RFL US26D	008-0607-042
	652 Face Plate RH RFL US32	008-0606-017
	652 Face Plate RH RFL US32D	008-0606-018
	652 Face Plate RH RFL US19	008-0606-037
64	652 Face Plate LH RFL US3	008-0607-044
	652 Face Plate LH RFL US4	008-0607-045
	652 Face Plate LH RFL US10	008-0607-046
	652 Face Plate LH RFL US10B	008-0607-047
	652 Face Plate LH RFL US26	008-0607-048
	652 Face Plate LH RFL US26D	008-0607-049
	652 Face Plate LH RFL US32	008-0606-020
	652 Face Plate LH RFL US32D	008-0606-021
	652 Face Plate LH RFL US19	008-0606-038



600 STRIKE FACE PLATES AND MOUNTING ACCESSORIES (Continued)

Item	Description	Part Number
65	662/672 Face Plate RH RFD US3	008-0607-023
	662/672 Face Plate RH RFD US4	008-0607-024
	662/672 Face Plate RH RFD US10	008-0607-025
	662/672 Face Plate RH RFD US10B	008-0607-026
	662/672 Face Plate RH RFD US26	008-0607-027
	662/672 Face Plate RH RFD US26D	008-0607-028
	662/672 Face Plate RH RFD US32	008-0606-005
	662/672 Face Plate RH RFD US32D	008-0606-006
	662/672 Face Plate RH RFD US19	008-0606-039
66	662/672 Face Plate LH RFD US3	008-0607-030
	662/672 Face Plate LH RFD US4	008-0607-031
	662/672 Face Plate LH RFD US10	008-0607-032
	662/672 Face Plate LH RFD US10B	008-0607-033
	662/672 Face Plate LH RFD US26	008-0607-034
	662/672 Face Plate LH RFD US26D	008-0607-035
	662/672 Face Plate LH RFD US32	008-0606-008
	662/672 Face Plate LH RFD US32D	008-0606-009
	662/672 Face Plate LH RFD US19	008-0606-040
67	662/672 Face Plate SSD US3	008-0607-051
	662/672 Face Plate SSD US4	008-0607-052
	662/672 Face Plate SSD US10	008-0607-053
	662/672 Face Plate SSD US10B	008-0607-054
	662/672 Face Plate SSD US26	008-0607-055
	662/672 Face Plate SSD US26D	008-0607-056
	662/672 Face Plate SSD US32	008-0606-032
	662/672 Face Plate SSD US32D	008-0606-033
	662/672 Face Plate SSD US19	008-0606-042
68	662/672 Face Plate SYD US32	008-0606-023
	662/672 Face Plate SSD US32D	008-0606-024
	662/672 Face Plate SSD US19	008-0606-041

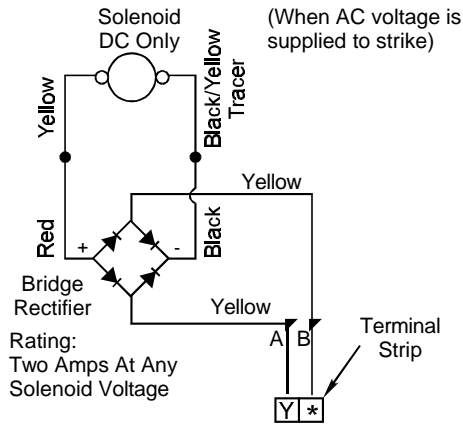
SYD applications in US3, US4, US10, US10B, US26 and US26D finishes, select 1 each of Items 65 and 66 or proper hand.

642, 652, 662, 672 WIRING DIAGRAMS

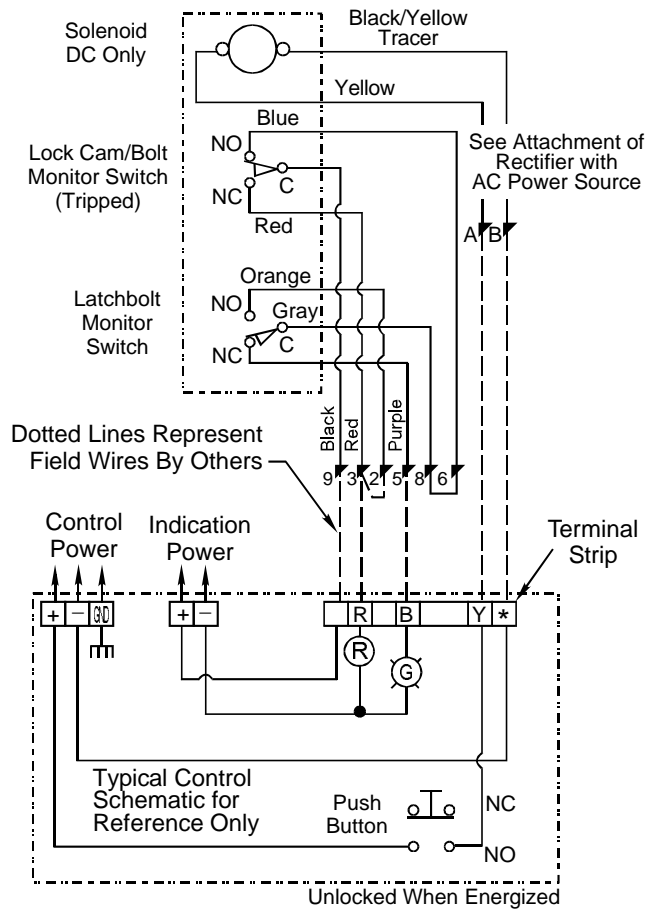
CAUTION!

**Installation Must Be Properly Grounded
Per National Electrical Code Article 250**

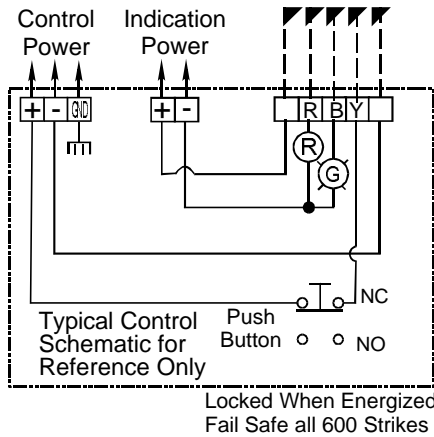
Attachment of Rectifier



600 LBMLCM Wiring Diagram

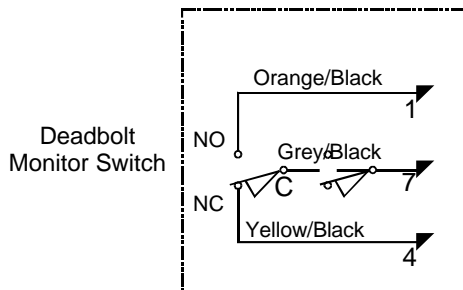


Fail Safe Controls

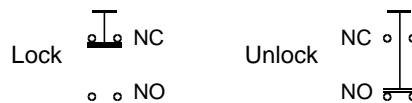


DBS Switch Option

Strikes labelled LCBDM contain this switch. LCM & LBM switches, see LCBDM diagram above.

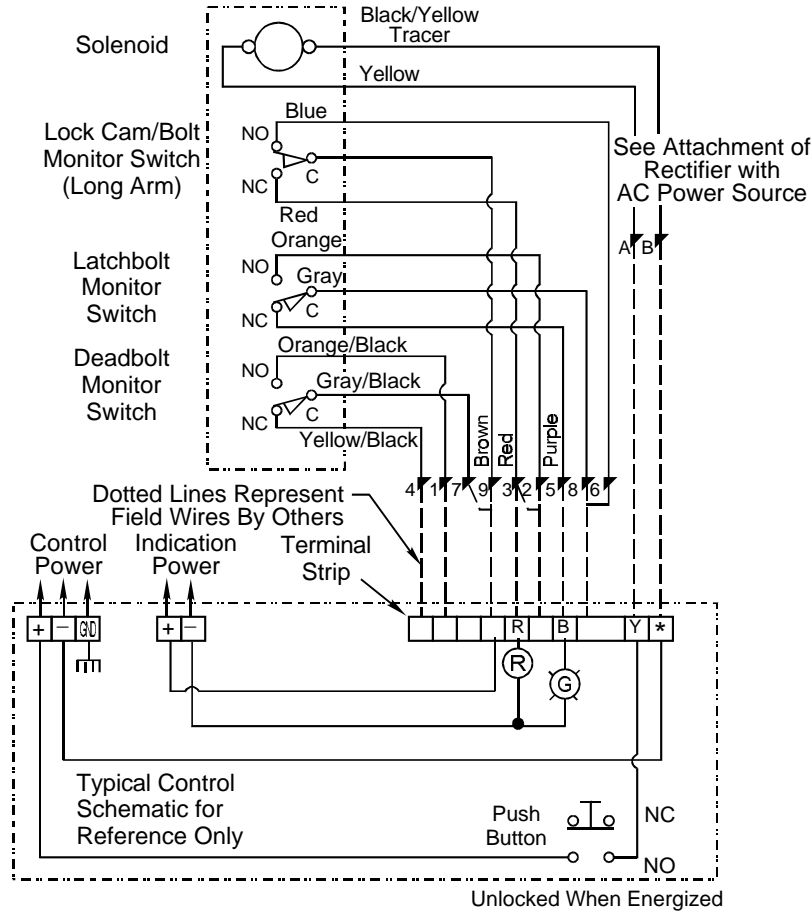


Push Button Switch Conditions



642, 652, 662, 672 WIRING DIAGRAMS (Continued)

600 LCBDM Wiring Diagram



Electrical Ratings for All 600 Strike Solenoids	Voltage				
	DC				
	6	12	24	48	120
Resistance in OHMS \pm 10%	10	41	165	660	3800
Watts	3.6	3.5	3.5	3.5	3.5
Amps	.60	.29	.15	.075	.03

NOTES:

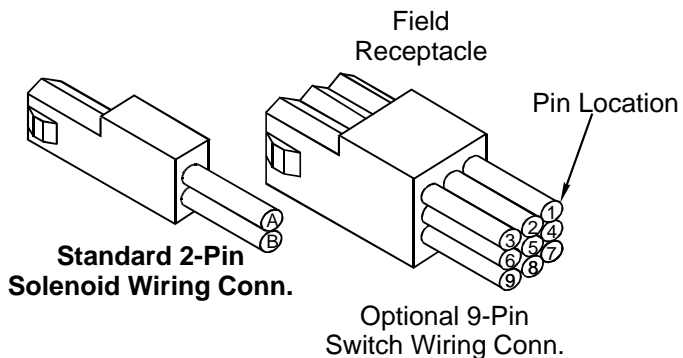
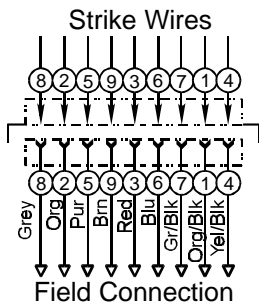
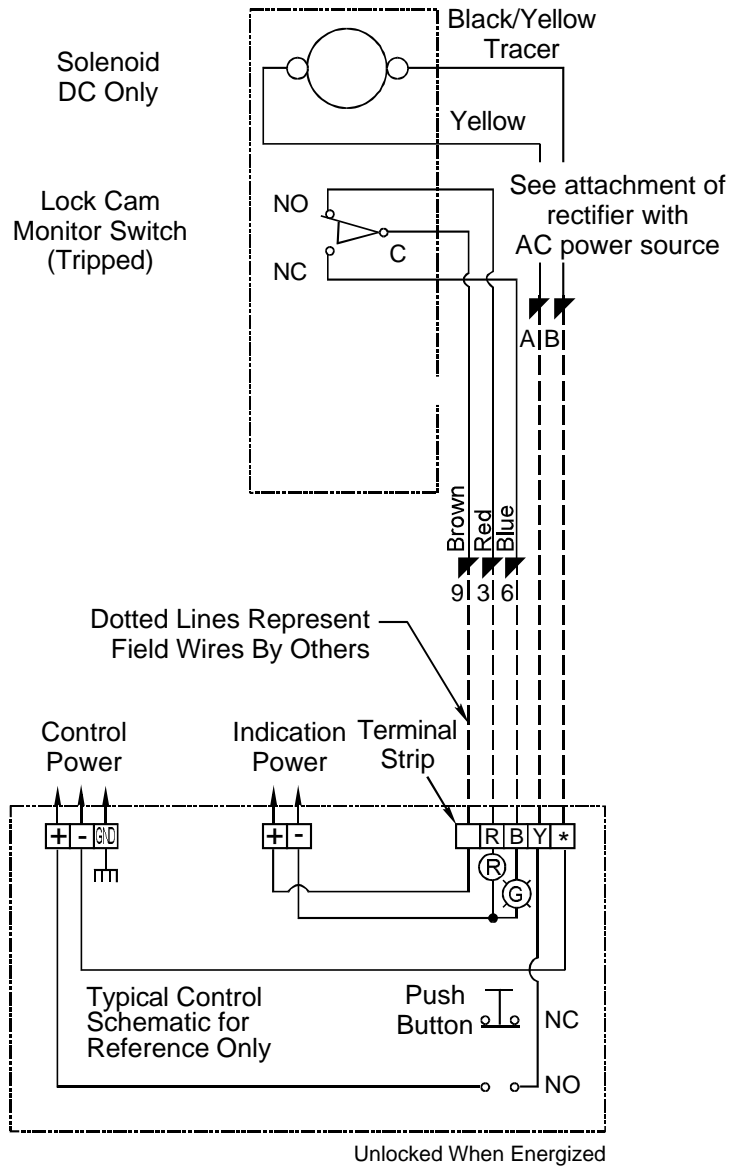
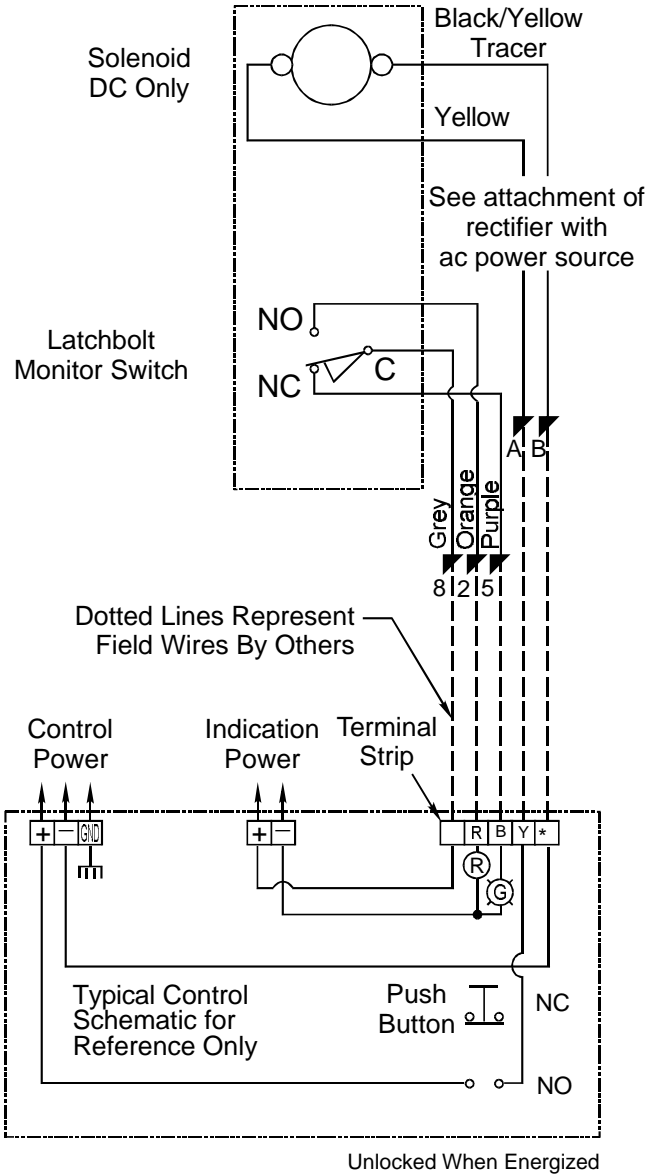
- 1) * = Wires color code:
6 thru 120 VDC - Yellow/Black Tracer.
12 & 24 VAC - Gray.
120 VAC - White.
- 2) Unused wires to be individually isolated with a wire nut or equal.
- 3) Numbered field connections refer to pin location in field receptacle.



642, 652, 662, 672 WIRING DIAGRAMS (Continued)

600 LBM Wiring Diagram

600 LCM Wiring Diagram





600 INSTALLATION INSTRUCTIONS

These instructions cover all models of the 600 series strike.

Installation

1. For proper installation, refer to the appropriate template drawing.
2. Prior to installation make the necessary wire connections per the appropriate wiring diagram.
3. Proper operating voltage must be supplied to the strike if it is to function correctly. Voltage at the strike must be within ± 10 of the required voltage listed on the strike label.
4. To install the strike into the frame opening:
 - a. Position the wiring either down or up or toward the back of the hollow metal frame, making sure that it stays completely out of the way of the strike so as not to pinch it when installing the strike into the frame.
 - b. Insert mounting screws through the face plate and the strike mounting tabs and fasten into mounting tabs.
5. After installation check the horizontal alignment. The allowable movement when the door is pulled toward the keeper should be 1/32".
6. In case of misalignment there is 1/8" horizontal adjustment obtainable by shifting the strike mechanism behind the face plate before tightening the mounting screws.

Operation

The 600 electric strike is a solenoid operated device.

1. 640, 642, 650, 652, 660, 662, 670, 672 NON-FAIL-SAFE. When power is applied the solenoid plunger pulls the locking cam into the unlocked position allowing the door to be opened. If power fails the strike will remain locked.
NOTE: Non-fail-safe strikes for use in fire rated doors can only be operated by momentary contact switches, energized only when the push button is held depressed and cannot be held in the unlocked position.
2. 640, 642, 650, 652, 660, 662, 670, 672 FAIL-SAFE. When power is applied the solenoid plunger pushes the locking cam into the locked position and the door cannot be opened. If power fails the strike will unlock.

OPERATIONAL NOTE: This product may be provided fail-safe or fail-secure. Fail-safe versions allow exit in the event of power failure. Fail-secure versions do not. Consult with the local authority having jurisdiction concerning the installation of this type of product as to whether listed panic hardware is required to allow emergency exit from the secured area.

Optional Features

1. LBM SWITCH (Latch Bolt Monitor): A switch operated by the latchbolt switch tripper that signals whether or not the latchbolt is extended into the strike.
2. LCM SWITCH (Locking Cam Monitor): A switch that monitors the position of the locking cam and signals that the strike is either locked or unlocked.
3. LBMLCM SWITCH (Locking Cam and Latch Bolt Monitor): A combination of the LBM and LCM switches, that wired together, externally, they indicate that the strike is locked (LCM) and the latchbolt is extended into the strike (LBM).
4. LCBDM SWITCH (Locking Cam, Latchbolt Monitor and Deadbolt Monitor Switch): Three switches, a DBS switch operated by the deadbolt switch tripper, wired together with the LCM and LBM switches, that signal that the strike is locked, and the latchbolt is extended into the strike and the deadbolt is also extended into the strike.
5. SOLENOID VOLTAGE: 24VDC is standard. Optional voltages available are: 6, 12, 16, 48 or 115VDC or VAC.

When control power source is AC, the strike is supplied with an externally attached bridge rectifier.

When control power source is DC, the strike is supplied without the bridge rectifier.

NOTE: UL requires that a junction box be used with 48 and 120 volt strikes, if they are not installed in a back box.

6. FAIL-SAFE: The strike is locked when energized. This feature should be used for applications that require automatic unlocking in case of power failure.

CAUTION: Fail-Safe is Not permitted with the UL Fire Door Accessory Label.

7. MOUNTING TAB: The mounting tab is designed to be used with the 600 series strike when mounting in metal frames without existing tabs.
8. ASTRAGAL: A lock guard, designed to prevent tampering with the strike keeper and the latchbolt.
9. FACE PLATE: Finish is US32D standard, US3, US4, US10, US10B, US19, US26, US26D, US32 are special.
10. PLUG CONNECTOR FOR SWITCHES: A 2-pin plug connector comes with the solenoid. A 9-pin is optional for the switches.



600 INSTALLATION INSTRUCTIONS (Continued)

Troubleshooting

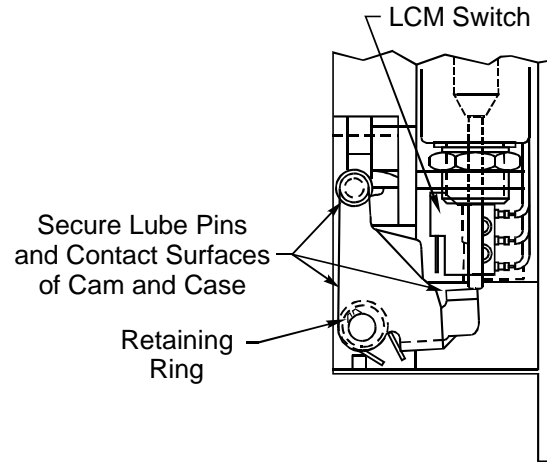
Problem	Solution
Strike does not operate when energized.	<p>Check for proper voltage being supplied to the strike.</p> <p>Check all wiring.</p> <p>Check the coil resistance of the solenoid and compare it to the chart located on the wiring diagram to insure the correct solenoid is being used.</p>
Strike operates intermittently.	<p>Check for loose wire connection.</p>
Solenoid overheating or burned out.	<p>Check for proper voltage being supplied to the strike.</p>
Strike is not re-locking or is not unlocking.	<p>Check for proper alignment between strike keeper and bolt, realign face plate if necessary. The keeper may not be returning to the fully locked position. Check the strike with the door open. If the strike re-locks, check the horizontal alignment between the strike keeper and the latchbolt. There is a 1/8" horizontal adjustment available. Shift the strike mechanism behind the face plate before tightening the mounting screws. If vertical alignment is off, reposition the face plate.</p> <p>Check the locking cam spring to insure it is moving the locking cam into the locked position (non-fail-safe) or the unlocked position (fail-safe).</p> <p>Check the solenoid assembly to insure the solenoid plunger is moving freely.</p>
Improper indication (LCM)	<p>Check wiring</p> <p>Check latchbolt or deadbolt for correct engagement with switch tripper.</p> <p>Check switch actuator arm, re-bend if necessary.</p> <p>Check continuity of indication switches, common to normally open, common to normally closed.</p>
Solenoid plunger binding (plunger will not extend or retract)	<p>Check alignment between solenoid plunger and cam.</p>

600 INSTALLATION INSTRUCTIONS (Continued)

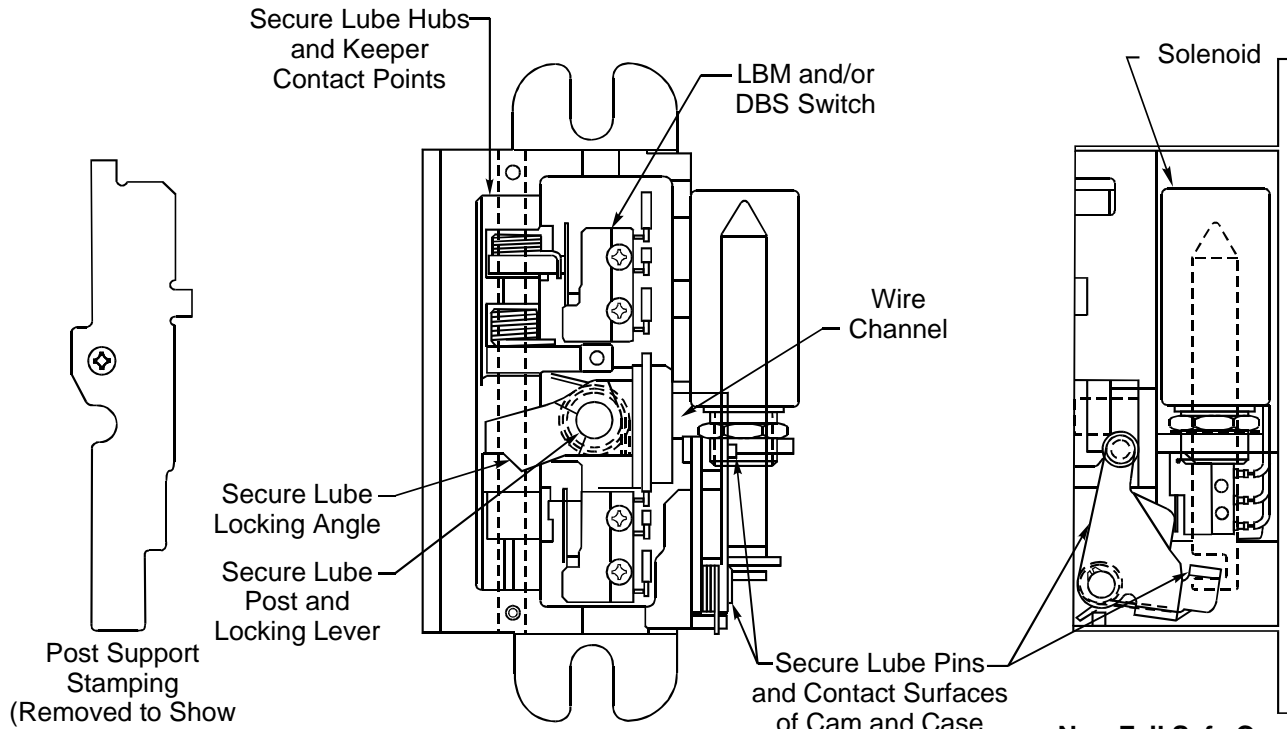
Maintenance and Lubrication

Under normal usage the 600 electric strike should be cleaned and lubricated once a year to maintain its reliability. In applications with high usage or dirty conditions, more frequent service may be necessary. Lubrication points are identified below. When servicing a 600, inspect the internal parts for excess wear or breakage and *lightly* lubricate per the instructions below. Lubricate with SecureLube, available from Folger Adam. **Never lubricate any strike with oil!** Such lubrication collects dirt and forms an abrasive and sticky compound that may affect the function of the strike.

Dust Cover Removed and
Switch Insulators Not Shown



**Fail Safe Cam
& Push Solenoid**



**Non-Fail Safe Cam
& Pull Solenoid**

600 INSTALLATION INSTRUCTIONS (Continued)

TO INSPECT AND LUBRICATE THE STRIKE

1. Remove the dust cover, [held on by four (4) 4-40 x 3/16 FHPMS].
2. PUSH TYPE: Solenoid may be left installed.
PULL TYPE: Solenoid must be removed to remove assembly. Loosen the lock nut holding the solenoid, then remove the solenoid and then the plunger.
3. Carefully remove retaining ring, spring and cam assembly. Retaining ring pliers require a .018" tip.
4. Remove the post support stamping, locking lever and spring.
5. Lubricate the areas in the case where the locking lever and locking cam rest. **Be careful not to get any lubricant on the solenoid or switches!** Lubricate the cam pin and lever post.
6. Check the locking angle of the keeper and the locking lever for wear. Replace either if worn. Apply lubricant between contact surfaces. Also, apply lubricant between contact surfaces of the case and keeper.

To remove keeper for replacement or through lubrication, refer to "Changing and Replacing Switch Trippers and Keepers" on page 18.

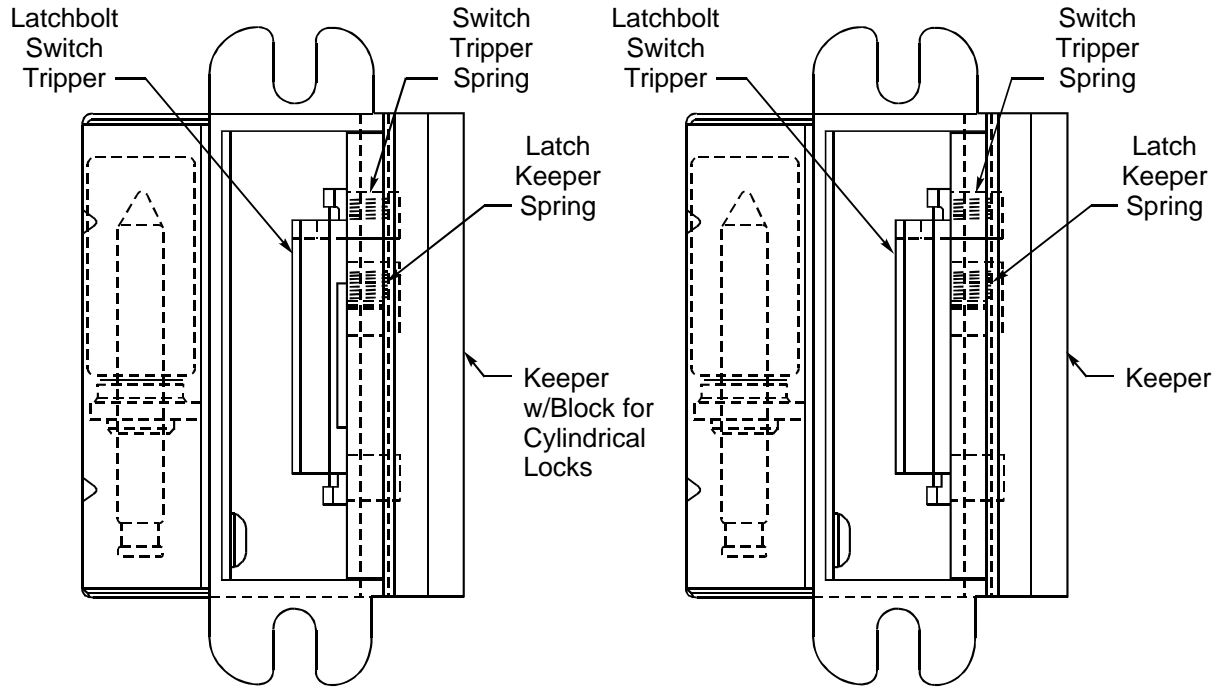
(If the keeper is disassembled for replacement or adding of a switch, lubricate the keeper pin.)
7. Reinstall the locking lever and the locking lever spring.
8. Check the solenoid, plunger and plunger guide for excess wear, dirt, grime or oil. If present, wipe clean.
PUSH TYPE: Remove the retaining ring for inspection of the plunger guide. Reassemble the solenoid and plunger.
9. Reinstall the locking cam. If the strike has a LCM switch, make sure the tripper is positioned against the cam.

10. INSTALLING AND ADJUSTING THE SOLENOID

- a. 600 NON-FAIL-SAFE SOLENOID: Pass the plunger through the solenoid mounting hole. Hook the plunger over the tab of the cam assembly. Thread the solenoid into position. Energize and set to proper position. When solenoid is properly positioned, the plunger will seat and the cam position will allow the locking lever to move when the keeper is pushed manually or by a lock latchbolt. When the solenoid is not energized, the keeper is locked.
 - b. 600 FAIL-SAFE SOLENOID: Thread the solenoid into position, placing the tip of the push plunger against the tab of the cam assembly. Energize and set to proper position. When the solenoid is properly positioned the plunger must seat when the cam roller is fully in the locked position against the locking lever and the case. When the solenoid is energized it should be impossible to push the keeper open. When not energized, the spring should push the cam to the unlocked position.
11. Check to see that the setscrew is tight holding the keeper pin; the retaining ring is correctly installed on the cam pivot pin; the screws holding the post support stamping and any switches are tight; and the solenoid is securely in place.
 12. Reinstall the dust cover, routing the wires so that they remain clear of moving parts.

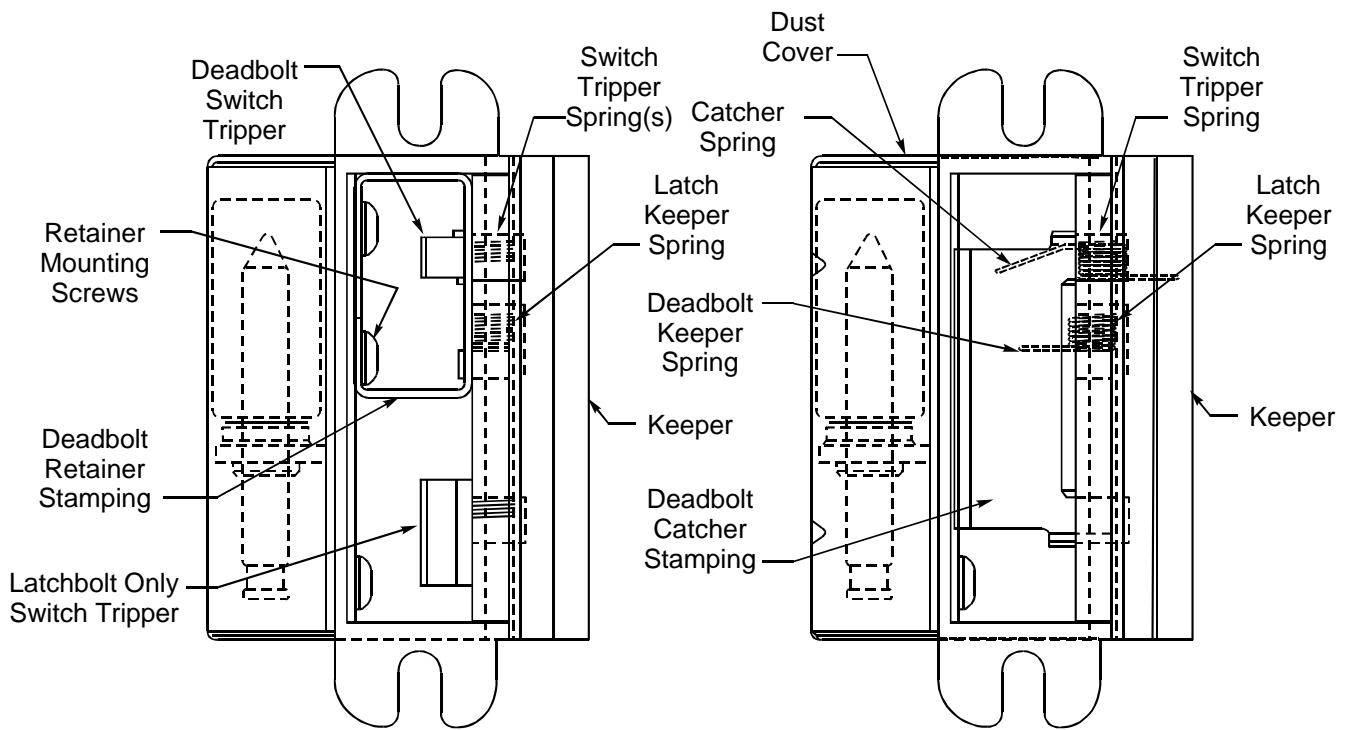


600 INSTALLATION INSTRUCTIONS (Continued)



**642 Strike
For Cylindrical Locks**

**652 Strike
For Mortise Locksets**



**662 Strike
Holds Deadbolt
Releases Latchbolt**

**672 Strike
Recaptures
Deadbolt**



600 STRIKE MANUAL

Changing Solenoids

NOTE: PUSH TYPE solenoids are used in 600 FAIL-SAFE (Item 21).

PULL TYPE solenoids are used in 600 NON-FAIL-SAFE (Item 20).

NOTE: To change from DC to AC, a rectifier (Item 31, listed below) must be connected between the solenoid plug connector and the solenoid 2-pin field receptacle. To change from AC to DC, remove the rectifier and connect plug and receptacle.

Parts Required:

Item	Description	Part Number
27	Cam Spring Fail-Safe 600	003-0246-001
28	Cam Spring Non-Fail-Safe 600	003-0245-001
20	Solenoid Assembly (Pull) 6VDC	076-0127-001
	Solenoid Assembly (Pull) 12VDC	076-0127-002
	Solenoid Assembly (Pull) 16VDC	076-0127-003
	Solenoid Assembly (Pull) 24VDC	076-0127-004
	Solenoid Assembly (Pull) 48VDC	076-0127-005
	Solenoid Assembly (Pull) 115VDC	076-0127-006
21	Solenoid Assembly (Push) 6VDC	076-0126-001
	Solenoid Assembly (Push) 12VDC	076-0126-002
	Solenoid Assembly (Push) 16VDC	076-0126-003
	Solenoid Assembly (Push) 24VDC	076-0126-004
	Solenoid Assembly (Push) 48VDC	076-0126-005
	Solenoid Assembly (Push) 115VDC	076-0126-006
19	Locking Cam Assembly 600	076-0203-001
	Rectifier for AC 600 0-15 Volt	076-0712-001
31	Rectifier for AC 600 16-30 Volt	076-0712-002
	Rectifier for AC 600 49-120 Volt	076-0712-003

Instructions for Changing a:

NFS to a FS (new solenoid and cam spring: Items 27 and 21).

FS to a NFS (new solenoid and cam spring: Items 28 and 20).

1. Remove the dust cover [held on by four (4) 4-40 x 3/16 FHPMS].
2. Loosen the lock nut holding the solenoid and remove the solenoid and plunger. Use 9/16" open end tappet wrench.
3. Carefully remove retaining ring, spring and cam assembly. Retaining ring pliers require a .018" tip.
4. Install the proper spring in the cam assembly and reinstall. Reinstall the retaining ring in groove.
5. Install solenoid and plunger and set per instructions for "Installing the Solenoid" (see drawing 089-0250-014 page 1).
6. Reinstall the dust cover, taking care to route the wires through the opening.
7. Refer to the appropriate wiring diagram for wire connections.



600 STRIKE MANUAL (Continued)

Installing and Adjusting the Solenoid

(Refer to the Repair Part drawing to insure use of correct parts.)

1. 600 NON-FAIL-SAFE SOLENOID: Pass the plunger through the solenoid mounting hole. Hook the plunger over the tab of the cam assembly. Thread the solenoid into position. Energize and set to proper position. When solenoid is properly positioned, the plunger will seat and the cam position will allow the locking lever to move when the keeper is pushed manually or by a lock latchbolt. When the solenoid is not energized, the keeper is locked.
2. 600 FAIL-SAFE SOLENOID: Thread the solenoid into position, placing the tip of the push plunger against the tab of the cam assembly. Energize and set to proper position. When the solenoid is properly positioned, the plunger must seat when the cam roller is fully in the locked position against the locking lever and the case. When the solenoid is energized, it should be impossible to push the keeper open. When not energized, the spring should push the cam to the unlocked position.

Installing The Cam Springs

1. 600 NON-FAIL-SAFE CAM SPRING: Place the locking cam spring inside the cam assembly with the long leg in the "U" shaped bend. As you slide the cam assembly on the pivot post, the spring coils are held by the post. Tension the spring by rotating the short leg and placing it to the side of the square post as shown (see illustrations). Slide parts down into position, being careful to avoid the LCM tripper if one exists. Install retaining ring to hold parts in place.
2. 600 FAIL-SAFE CAM SPRING: Install the locking cam spring inside the cam assembly with the longer leg against the edge of the "U" shaped bend. As you slide the cam assembly on the pivot post, the spring coils are held by the post. Tension the spring by rotating the short leg and placing it to the side of the square post as shown (see illustrations). Slide parts down into position, being careful to avoid the LCM tripper if one exists. Install retaining ring to hold parts in place.

Changing and Replacing Switch Trippers and Keeper

(Tools Required: Switch, tripper and spring loader, 007-0801-001. Required for models with switch trippers only.)

1. TO REMOVE THE KEEPER:
 - a. Loosen the setscrew holding the keeper pin.
 - b. Push the pin out of the case and pull completely out.
2. TO INSTALL A KEEPER WITHOUT SWITCH TRIPPER:
 - a. Lubricate the keeper pin and hubs of the keeper (areas contacting the case walls)
 - b. Position the keeper in the case and insert the keeper pin (through the hole in the top of the case) through the first hub of the keeper. Install the keeper spring in the center cavity.
 - c. Set the keeper pin flush with the edge of the case and tighten the setscrew to secure the keeper pin. Setscrew must go into the end of case where keeper pin has groove.
3. TO INSTALL A KEEPER WITH SWITCH TRIPPER:
 - a. Lubricate the keeper pin and hubs of the keeper (areas contacting the case walls)
 - b. Lubricate both sides of the switch tripper hubs.
 - c. Position the switch tripper and switch tripper spring in the keeper and hold in place with the tool. If both LBM and DBS trippers are required, two (2) tools will be needed. Place the keeper in the case. Push the keeper pin through the keeper, installing the keeper spring in the center cavity. The keeper pin will push the tools out.
 - d. Set the keeper in flush with the edge of the case and tighten the setscrew to secure the keeper pin. Setscrew must go into the end of the case where keeper pin has groove.

600 STRIKE MANUAL (Continued)

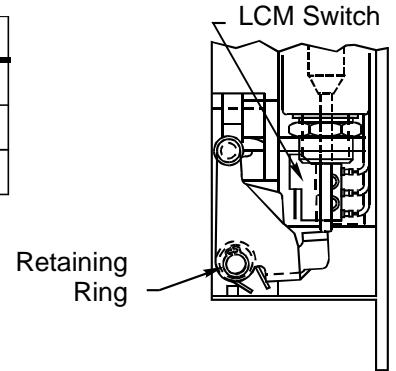
Adding Switches

Instructions for adding a LCM (Locking Cam Monitor) switch

Parts Required:

Description	Qty.	Part Number
LCM Switch Assembly	1	076-1215-001
Switch Insulator	1	005-0703-001
PHPMS 2-56 x 5/16 LG	2	002-2303-001

1. Remove dust cover by removing four (4) 4-40 x 3/16 PHPMS.
2. Loosen the lock nut holding the solenoid and remove the solenoid and plunger. Use 9/16" open end tappet wrench.
3. Install the switch and insulator so the cam assembly trips the switch when it is in the locked position against the locking lever and case. Secure the switch (with the insulator wrapped around it) in place with the two (2) 2-56 x 5/16 PHPMS. If necessary, the tripper can be bent to adjust the trip point.
4. Refer to "Installing and Adjusting the Solenoid" on page 1, to reinstall the solenoid and set the position. Route switch wires through the notch and behind the solenoid.
5. Reinstall the dust cover, being careful not to damage wires.
6. Refer to the appropriate wiring diagram for wire connections.

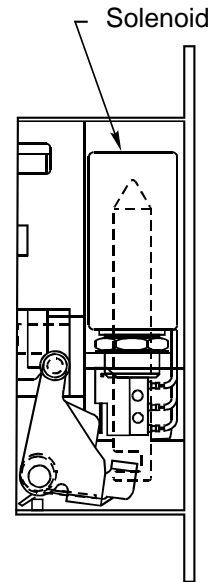


Fail Safe Cam & Push Solenoid

The following parts kits are available from the Folger Adam Co.:

Description	Part Number
Field Parts Kit: for common field change-outs.	254-0600-001
Repair Parts Kit: comprehensive parts kit.	254-0600-002
Service Parts Kit: for routine service.	254-0600-003
Bench Parts Kit: for work generally performed at the shop	254-0600-004

All kits consist of parts in a multiple compartment plastic box with hinged cover and identifying label.



Non-Fail Safe Cam & Pull Solenoid



600 STRIKE MANUAL (Continued)

Instructions For Adding a LBM and/or DBS Switch

(Special Tools: Switch tripper and spring loader, 007-0801-001)

Parts Required:

Description	Qty.	Part Number
LBM Switch Assembly	1	076-1216-001
DBS Switch Assembly	1	076-1217-001
Switch Tripper Spring	1/2	003-0244-001
Switch Insulator	1/2	005-0719-001
PHPMS 2-56 x 3/8 Zinc	2/4	002-2303-133
Switch Tripper Casting:		
For 542-652 Latchbolts	1	013-0617-001
For 662 Latchbolts	1	013-0618-001
For 662 Deadbolts	1	013-0619-001

1. Remove dust cover by removing four (4) 4-40 x 3/16 FHPMS.
2. Remove post support stamping [one (1) 4-40 x 3/16 FHPMS].
3. Remove the keeper (see instructions for "Changing and Replacing Switch Trippers and Keeper).
4. Reinstall keeper and appropriate switch tripper casting. If both LBM and DBS switch are used, exercise care in placing the tripper castings in the correct location. Use the tool(s) to hold the switch tripper(s) and their spring(s) in the desired notch of the keeper. When the keeper pin is installed, it will push the tool(s) out. Install the keeper spring in the center cavity. Tighten setscrews in the end of the case where the keeper pin has the groove.
5. Install the switch and insulator into position shown on repair part drawing with the switch actuator arm alongside the leg on the switch tripper casting. Tighten the switch mounting screws. The switch arm must be adjusted to actuate when the switch tripper is rotated away from the keeper. Route the wires through the notch in the case and pass them through the opening in the dust cover. If the lower switch position is used, run the wires through the wire channel.

CAUTION: Do not over tighten the switch screws, over tightening could break the switch.

6. Reinstall post support stamping. Note that while the post support stamping is removed, the locking lever and spring may come out of position and need to be relocated correctly.
7. Reinstall the dust cover.
8. Refer to the appropriate wiring diagram for wire connections.