SARGENT®

ASSA ABLOY

v.G1.5

Profile

& LK Mortise Lock

Installation Instructions

A7855C

02/14

ASSA ABLOY, the global leader
in door opening solutions

Table of Contents

1   **Warning**

> Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna

• Increase the separation between the equipment and receiver

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

• Consult the dealer or an experienced TV technician for help

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme avec la norme NMB-003 du Canada.

⚠ To comply with "Fire Listed" doors, the batteries must be replaced with alkaline batteries only. Do not install batteries if controller is powered by external power supply.

⚠ Warning SARGENT Mfg. Co. locksets utilizing a door position switch (DPS) are not rated for, or intended for use in life safety applications.

11/11/11

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② General Description

The SARGENT Profile v.G1.5/LK Mortise Lock is designed for areas which require stand alone authorized entry. It is a self-contained microprocessor-controlled keypad with non-volatile memory. The keypad holds a total of 100 (LK)/2000 (G1-LU, G1-PK, G1-PA, G1-TU, G1-TP, G1-TA) different user codes. User codes **01** and **02** are utilized for Master and Supervisory Codes, respectively. SARGENT mortise locks are designed with quality components to provide high security, performance and durability.

- The Profile v.G1.5 Series provides enhanced software and hardware features.
- New v.G1.5 controllers replace v.G1 controllers. Product is still ordered as "G1-" prefix. Controllers are labeled "G1.5".
- This product is operated by six (6) "AA" **alkaline** batteries.

③ Specifications

- Latch - Stainless steel
- Deadbolt - Stainless steel
- Guardbolt - Stainless steel, non handed
- Handed - Easily field reversible without disassembling the lock body
- Case - 12 gauge heavy duty wrought steel

- Outside lever controlled by any combination of keypad, proximity or RF technology
- Inside lever retracts latch and deadbolt
- Locks furnished for 1-3/4" doors. Can be furnished for other door sizes upon request.(Consult factory)
- U.L. Listed

④ Features

- Non-volatile memory
- Motor driven, battery operated
- Battery operated with 6 "AA" Alkaline
- Low battery alert: 4 chirps after code entry
- External remote "request to enter"
- Master, Emergency or Supervisory code will unlock door when low battery has expired
- 100 (LK) or 2000 (G1-LU, G1-PK, G1-PA, G1-TU, G1-TP, G1-TA) users
- Programming done at keypad or with a DTD (Data Transfer Device) using SoloPlus™ software and a Laptop/PC (G1-TA and G1-TP require software)

  SoloPlus™ works with PalmPilot; SofLink™ Plus software not supported with DTD.

- RF Fob and Proximity Card, Tag, and Fob are optional
- Operates utilizing any one to six digit code
- Digits may be repeated and codes may start with zero
- Cylinder override
- Entry of three wrong User Codes disables all codes for ten seconds. Yellow LED on solid
- Piezo horn can be heard with each keystroke or turned off by Master or Supervisory Code
- Last 15 transactions can be output to portable print via infrared link (LK Only)
- Last 2000 (Except LK) transactions can be output to PC via DTD/SoloPlus™ Software
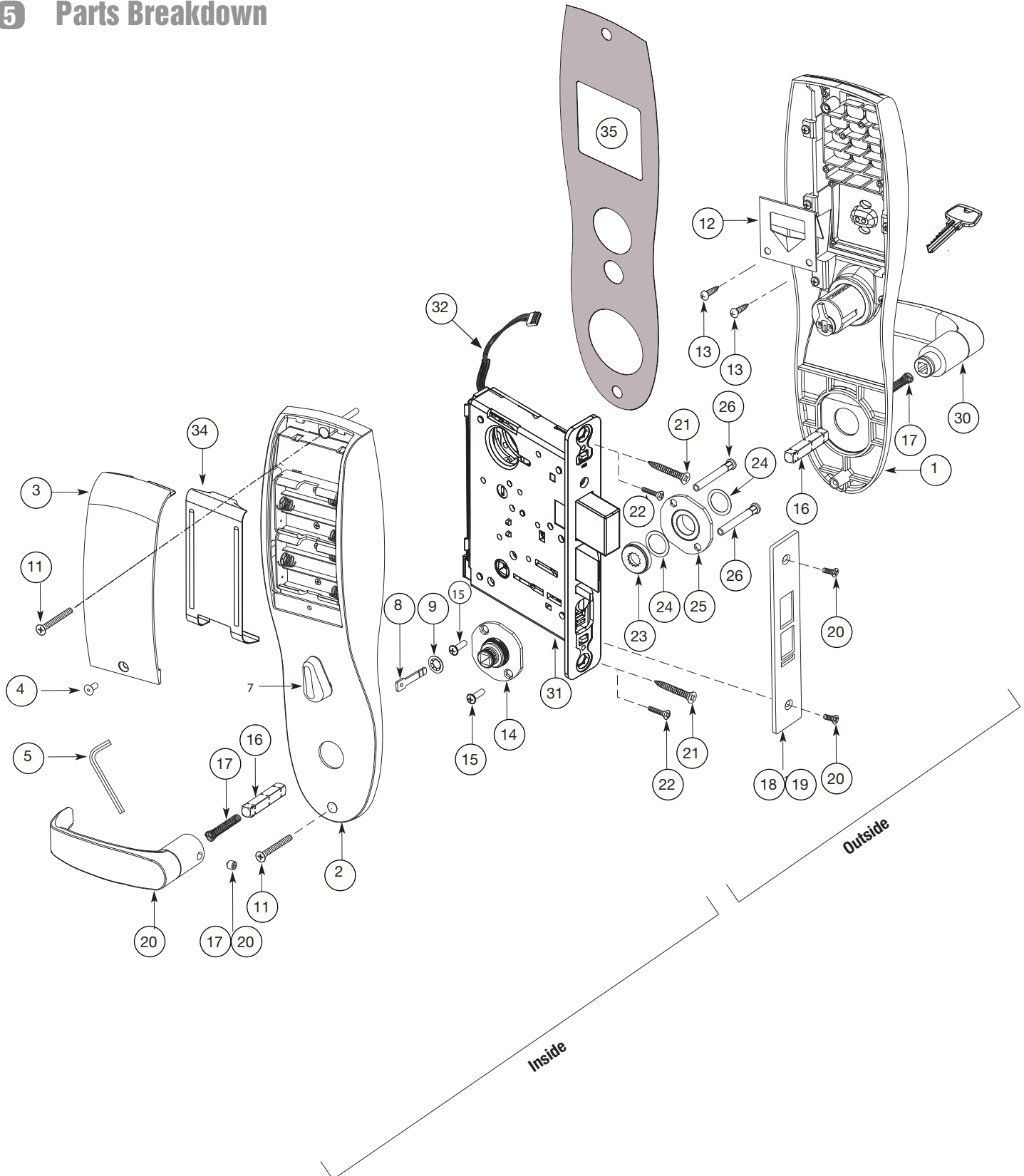
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5 Parts Breakdown

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Parts Breakdown (Continued)

ITEM	PART No.	DESCRIPTION	REQ'D
1	82-4190	Outside Escutcheon with Cylinder Hole and Key Pad, or Key Pad/Prox (G1-LU, G1-PK, G1-TU, G1-TP)	1
	82-4191	Outside Escutcheon without Cylinder Hole and Key Pad or Key Pad/Prox (G1-LU, G1-PK, G1-TU, G1-TP)	1
	82-4192	Outside Escutcheon with Cylinder Hole and Prox Only (G1-PA, G1-TA)	1
	82-4193	Outside Escutcheon without Cylinder Hole and Prox Only (G1-PA, G1-TA)	1
	82-0493	Outside Escutcheon Housing Only without Cylinder Hole	1
	82-0495	Outside Escutcheon Housing Only with Cylinder Hole	1
	52-2432	Keypad/Proximity Bezel Assembly w/ Harness (LK)	1
	52-2706	Proximity Only Bezel Assembly with Harness (G1-PA, G1-TA)	1
	52-2704	Key Pad/Proximity Bezel Assembly with Harness (G1-LU, G1-PK, G1-TU, G1-TP)	1
2	82-3837	Inside Escutcheon with Thumb Turn and 100 User Controller (LK)	1
	82-3838	Inside Escutcheon without Thumb Turn and 100 User Controller (LK)	1
	82-4182	Inside Escutcheon with Thumb Turn and 2000 User Controller (G1-LU)	1
	82-4183	Inside Escutcheon without Thumb Turn and 2000 User Controller (G1-LU)	1
	82-4184	Inside Escutcheon with Thumb Turn Prox/Key Pad Controller (G1-PA, G1-PK)	1
	82-4185	Inside Escutcheon without Thumb Turn Prox/Key Pad Cont. (G1-PA, G1-PK)	1
	82-4186	Inside Escutcheon with Thumb Turn & 2000 User Controller with RF Technology (G1-TU)	1
	82-4187	Inside Escutcheon without Thumb Turn & 2000 User Controller with RF Technology (G1-TU)	1
	82-4188	Inside Escutcheon with Thumb Turn & Keypad/Prox or Prox Only Controller (G1-TA, G1-TP)	1
	82-4189	Inside Escutcheon without Thumb Turn & Keypad Prox or Prox Only Controller (G1-TA, G1-TP)	1
	82-0492	Inside Escutcheon Housing Only without Thumb Turn	1
	82-0494	Inside Escutcheon Housing Only with Thumb Turn	1
	52-2440	100 (LK) User Key Pad Controller Assembly	1
	52-2783	2000 (G1-LU) User Controller Assembly	1
	52-2784	2000 User (G1-PA, G1-PK) Controller Assembly	1
	52-2786	2000 User Keypad/Prox Controller Assembly with RF Technology (G1-TA, G1-TP)	1
	52-2785	2000 User Keypad Controller Assembly with RF Technology (G1-TU)	1
3	52-0170	Battery Cover	1
	52-2509	Battery Cover – RF Technology (G1-TU, G1-TP, G1-TA)	1

ITEM	PART No.	DESCRIPTION	REQ'D
4	01-1212	Security Screw	1
5	01-0297	Security Tool	1
7	82-0507	Thumb Turn	1
8	77-0772	Spindle (Thumb Turn)	1
9	01-0844	Washer (Thumb Turn)	1
10	01-0543	Spring Grip Fastener (Thumb Turn)	1
11	77-0168	Through-bolts #8-32 x 1 7/8" Flat Head Screw	2
12	52-0033	Fire Stop Plate	1
13	01-1500	Fire Stop Screws #8 x 1/2" Type "AB" Phillips Pan Head Self Tap	2
14	82-3088	Inside Spindle Adapter & Plate Assembly	1
15	01-1495	Screw #8-32 x 1/2"	2
16	82-0368	Inside Spindle/Outside Spindle	2
17	82-0347	Inside Spring/Outside Spring	2
18	82-0081	Face Plate no Dead Bolt	1
19	82-0084	Face Plate with Dead Bolt	1
20	01-1028	Face Plate Screws Machine 8-32 x 1/4"	2
21	01-2299	Lock Body Screws/Wood Door #12 x 1 1/4"	2
22	01-1019	Lock Body Screws/Metal Door 12-24 x 1/2"	2
23	82-0184	Cap Nut	1
24	01-0079	Washer	2
25	82-3082	Plate Assembly	1
26	81-0723	Post	2
27	01-1472	Lever Handle Screw, A, E & F Lever	1
28	01-1174	Lever Handle Screw, B, J, L, P & W Lever	1
29		Reference Profile Series catalog for available lever handles	
30		Reference Profile Series catalog for available lever handles	
31	G1-8276-hand-finish	Lockbody Assembly with deadbolt & cylinder	1
	G1-8277-hand-finish	Lockbody Assembly with deadbolt only (no cylinder)	1
	G1-8278-hand-finish	Lockbody Assembly with cylinder only (no deadbolt)	1
	G1-8279-hand-finish	Lockbody Assembly without deadbolt & without cylinder	1
32	01-0803	Battery Alkaline ("AA" cell - not shown)	6
33	52-0253	Battery Keeper	1
	52-0344	Battery Keeper – RF Technology (G1-TU, G1-TP, G1-TA)	1
34	10-0649	Gasket, weatherseal	1

⑥ Installation Instructions

Step #1 – Verify Hand and Bevel of Door

A. Verify Hand and Bevel of Door

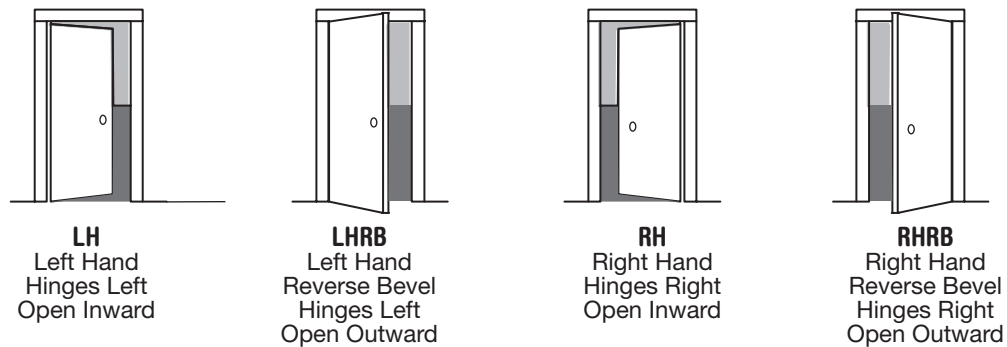Stand on outside/locked side of door when determining the door hand

LH	**LHRB**	**RH**	**RHRB**
Left Hand Hinges Left Open Inward	Left Hand Reverse Bevel Hinges Left Open Outward	Right Hand Hinges Right Open Inward	Right Hand Reverse Bevel Hinges Right Open Outward

Fig. 1A

B. Prepare Door

Prep door according to Instruction Sheet A7454 and appropriate template:
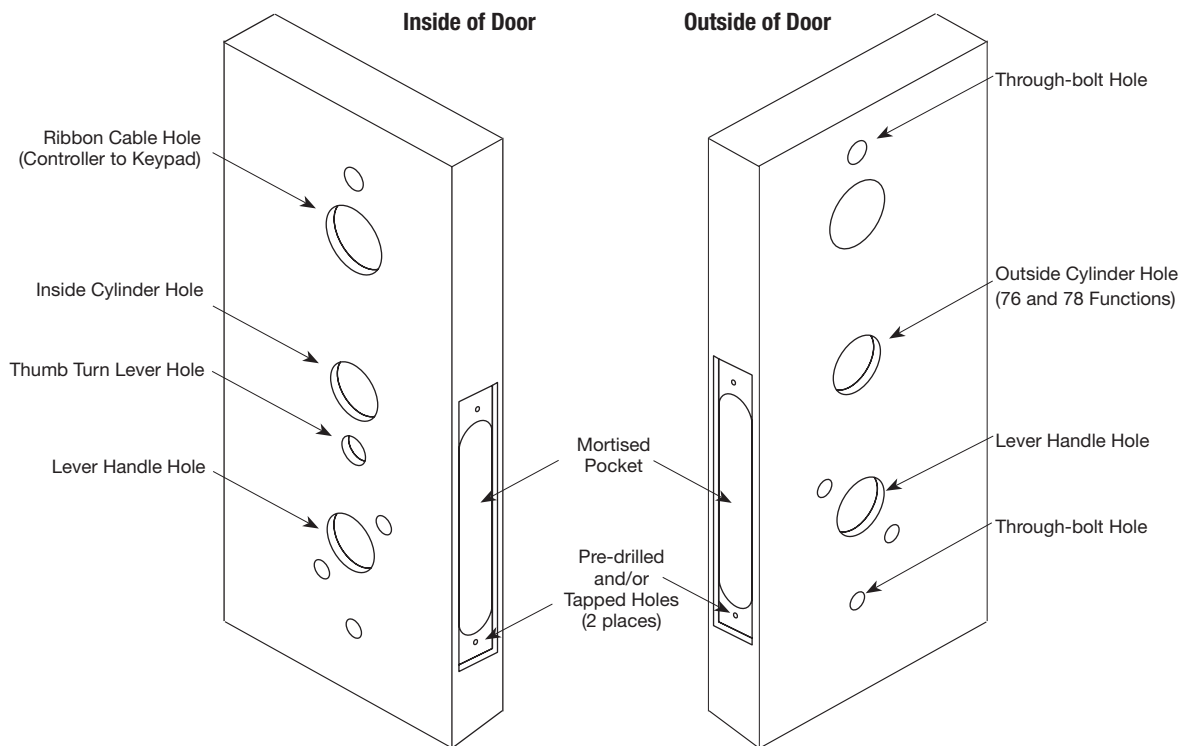
Manufacturer Door Template: 4632

Inside of Door

Outside of Door

Ribbon Cable Hole (Controller to Keypad)

Inside Cylinder Hole

Thumb Turn Lever Hole

Lever Handle Hole

Mortised Pocket

Pre-drilled and/or Tapped Holes (2 places)

Through-bolt Hole

Outside Cylinder Hole (76 and 78 Functions)

Lever Handle Hole

Through-bolt Hole

Fig. 1B Wood Door Preparation

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Step #2 – How to Change Hand of Lockbody

A. Reverse Lock Hand

Red surface of locking piece must face the outside/locked side of door. To rotate locking piece (Fig. 2A):

1. Position lock body with red surface of locking piece visible.
2. Insert blade type screwdriver into locking piece slot to rotate locking piece toward back of lock body.
3. Rotate the locking piece 180° until RED surface is on opposite side.

   Note: Red indicates locked side (outside).

Right Hand Lock Shown

Locking Slide
Red on Locked Side

Push In

Fig. 2A
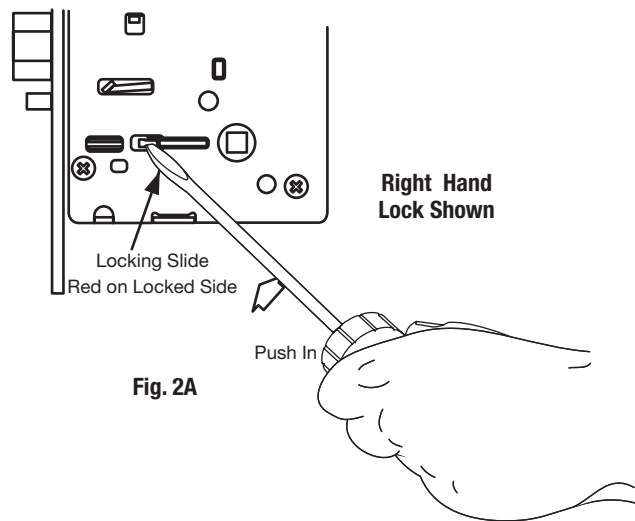
B. Reverse Latch Hand

Beveled surface of latchbolt must face strike (Fig. 2B). The deadlatch is self adjusting.
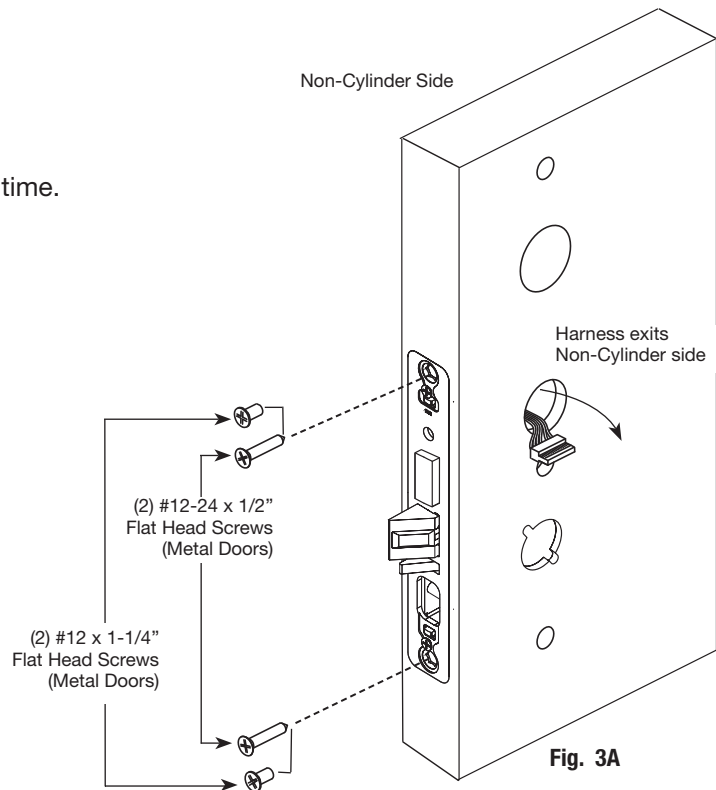
To change the hand of the latchbolt:

1. Insert the blade of a slotted screwdriver (>1/4") into the spade shape slot behind latch.
2. Rotate the screwdriver 90° to push latchbolt out until back of bolt clears lock case front.
3. Rotate latchbolt 180° until the latchbolt drops back into the lock body.

   Note: Latch cannot be unscrewed.

Spade Shaped Slot

Latchbolt

Deadlatch

Fig. 2B
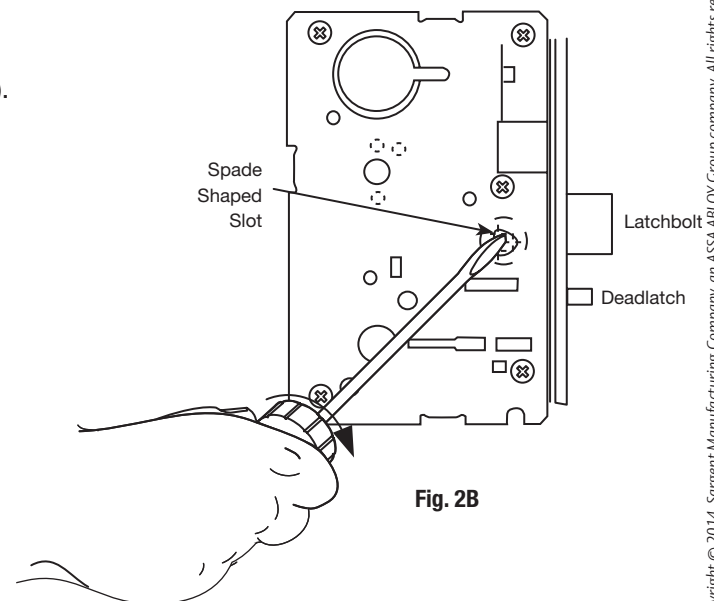
Step #3 – Install Lock Body

1. Insert lock body into mortised cutout (Fig. 3A).

2. Hold lock body loosely in place with (2) lock body screws.

   Note: Do not completely tighten screws at this time.

Non-Cylinder Side

Harness exits
Non-Cylinder side

(2) #12-24 x 1/2"
Flat Head Screws
(Metal Doors)

(2) #12 x 1-1/4"
Flat Head Screws
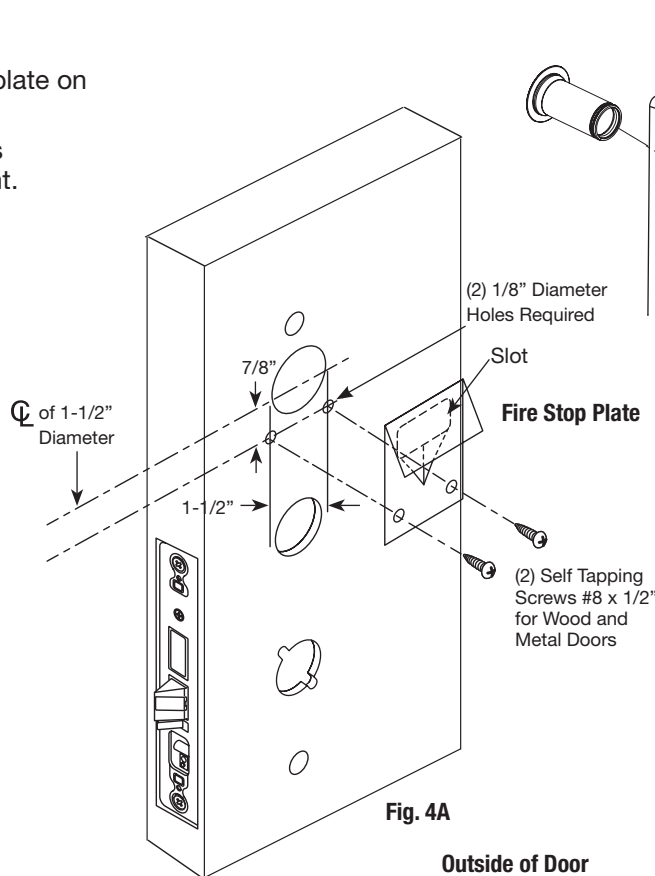(Metal Doors)

Fig. 3A

Step #4 – Exterior Door Options

A. Fire Stop Plate (P/N 53-0033)
Fire-rated doors require a fire stop plate on the outside of the door (Fig. 4A).

1. Drill (2) 1/8" x 1-1/4" deep holes in the door if not already present.

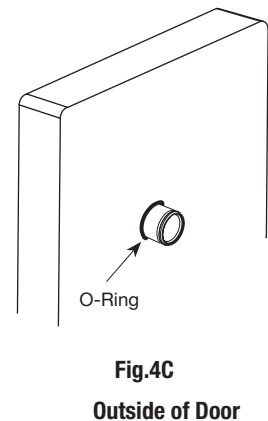   Refer to template for fire-stop prep locations.

2. Attach with flap up and out using (2) #8 x 1/2" self-tapping screws for wood and metal doors.
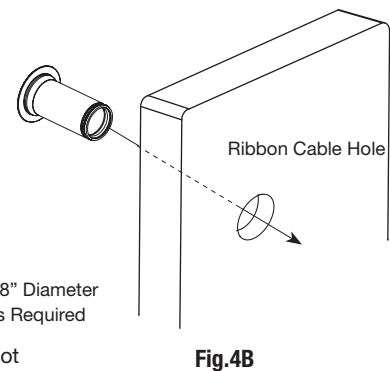
B. Weather Conduit (P/N 52-2847)

Install weather conduit on **NON FIRE-RATED** exterior doors only.

1. Carefully insert the weather conduit into the ribbon cable hole on the inside of the door (Fig. 4B).

2. Place the O-ring around the weather conduit on the out-side and up against the door (Fig. 4C).

Ribbon Cable Hole

Fig.4B

(2) 1/8" Diameter
Holes Required

7/8"

Slot

Fire Stop Plate

$\mathbb{C}$ of 1-1/2"
Diameter

1-1/2"

(2) Self Tapping
Screws #8 x 1/2"
for Wood and
Metal Doors

Fig. 4A

Outside of Door

O-Ring

Fig.4C

Outside of Door

Profile Series v.G1.5/LK Mortise Lock

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Step #5 – Install Weatherseal Gasket (Exterior Doors)

1. Carefully remove the backing from the gasket.

2. Apply gasket to escutcheon:
   - Starting in one place, press the adhesive side of the gasket firmly against the escutcheon.
   - Work around the escutcheon, pressing the sticky side of the gasket firmly against the escutcheon edge.
   - The gasket should be aligned so that all edges of the escutcheon are covered.

3. Attach escutcheon to the door.

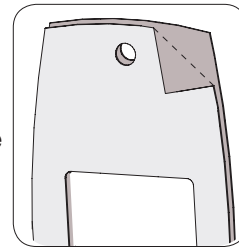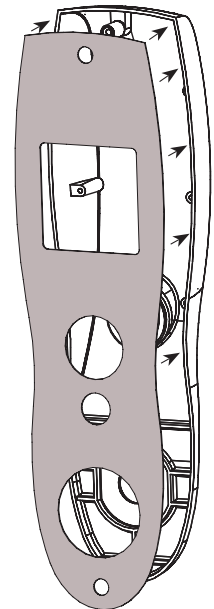   Note: The 43 cylinder may be used with or without a gasket.

Fig. 5A

Step #6 – Install Outside Escutcheon and Lever Assembly

1A. **For 12- fire rated doors**: Feed ribbon cable with connector and ground wire from outside of door through weather seal gasket and fire stop plate (Fig. 6A).

   Note: Install ribbon cable with cable exiting down

1B. **For non-12- fire rated doors:** Feed ribbon cable with connector and ground wire from outside of door through weather seal gasket (if used) and weather conduit (not shown).

   Note: Install ribbon cable with cable exiting down, orienting with side marked 'TOP' facing up.

2. With outside lever horizontal, locate the outside escutcheon on the door, while directing the mounting posts through the door and lock body (Fig. 6B).

3. Make certain the lever spindle is properly engaged in lock.

4. On the inside of the door, insert spindle into square hole of mortise lock.

5. Slide inside adapter and plate assembly over spindle and loosely secure with 2 through bolt screws (#8-32 x 5/8").

   Note: For 8276 and 8278, loosely thread cylinder through escutcheon and into the lock body before tightening the lock case screws and escutcheon through-bolts.
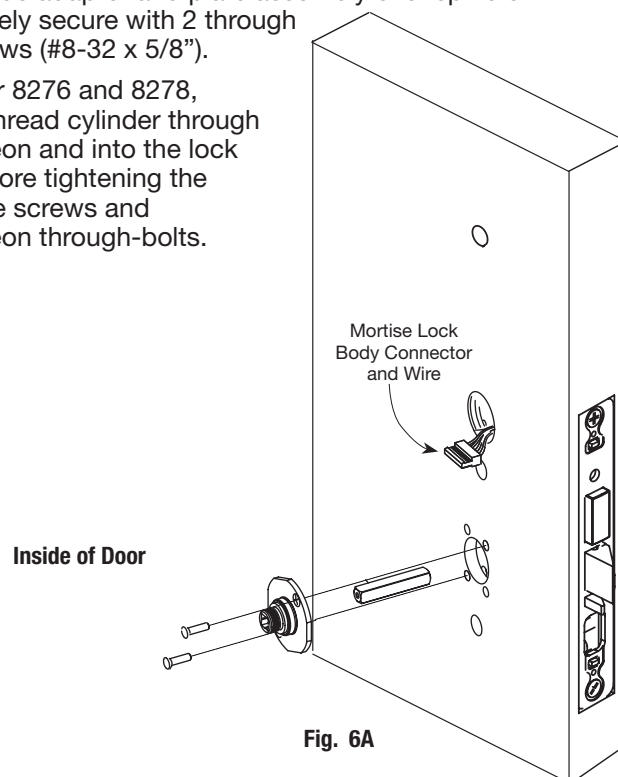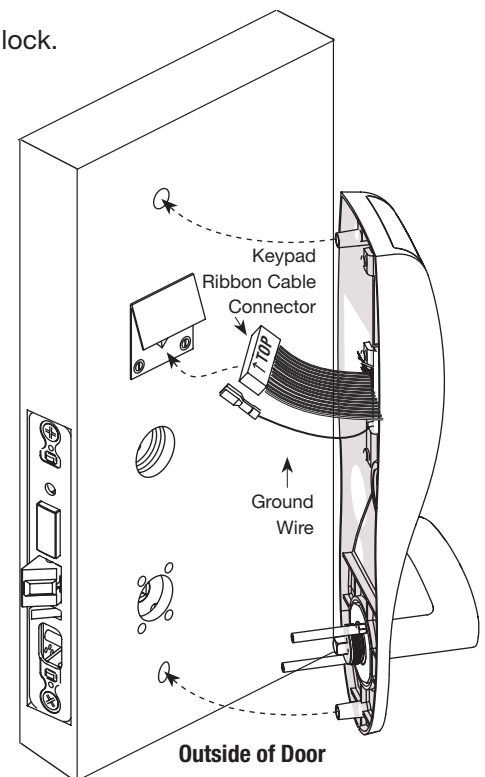
Fig. 5B

Keypad Ribbon Cable Connector

TOP

Ground Wire

Mortise Lock Body Connector and Wire

Inside of Door

Outside of Door

Fig. 6A

Fig. 6B

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Step #7 – Inside Escutcheon Wire Connections

Images are shown without gasket.

If gasket is necessary, refer to Step #5.

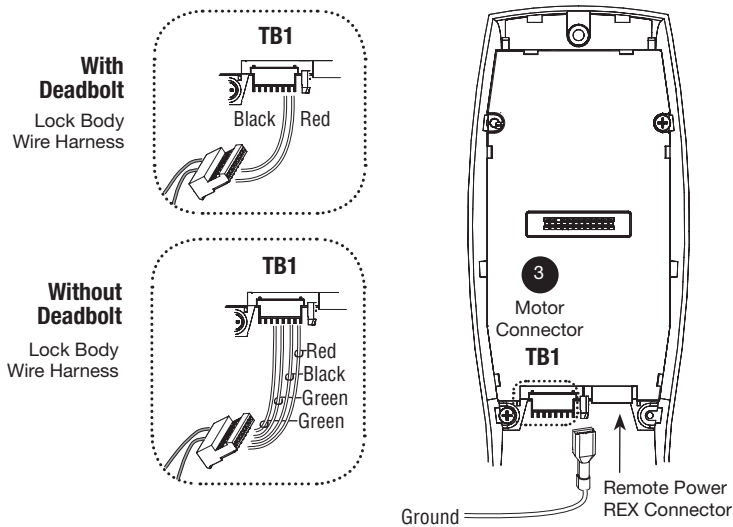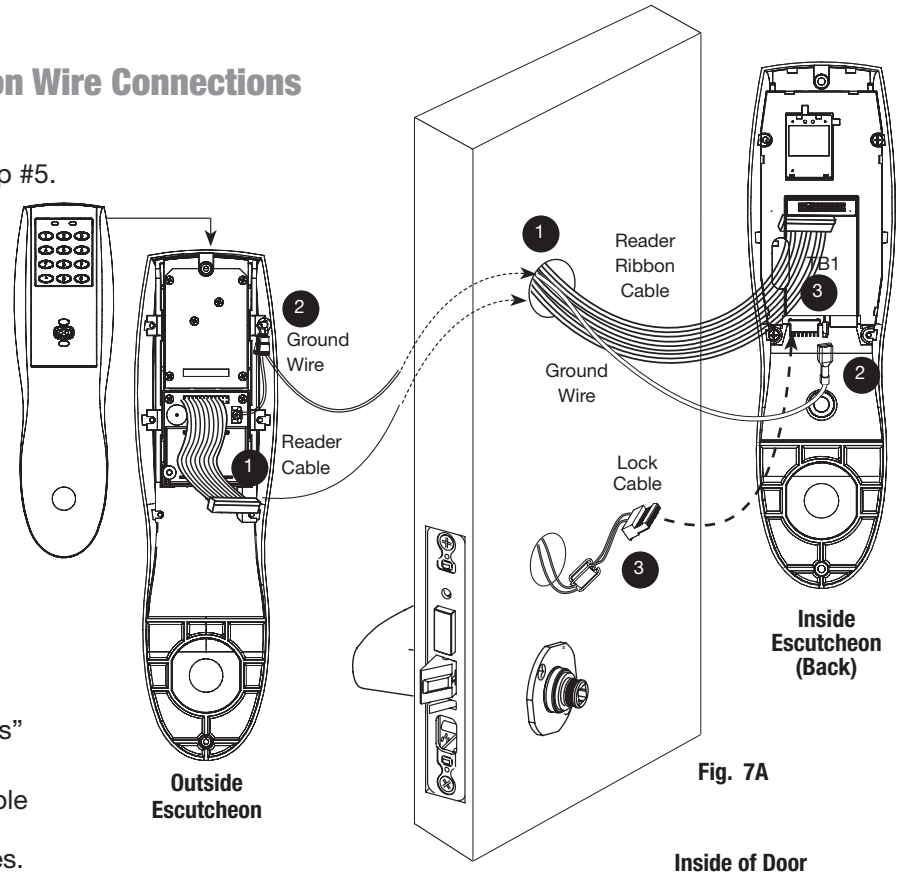Before the controller is attached to the door:

1. Attach the reader assembly ribbon cable into the back of the controller assembly (side that faces towards the door when mounted (Fig. 7A).

2. Attach the ground wire to the bottom of the controller assembly (E1, Fig. 7A).

3. Connect the cable from the cylindrical lock to the bottom of the controller assembly (TB1, Fig. 7B).

    If **Hardwiring** is required, go to "Hardwire Wiring Options" on page 14.

4. Place extra wire inside door hole and/or outside escutcheon, being careful not to pinch wires.

    Connectors go on only one way.

    Do not offset connectors, and make sure they are completely seated.

Outside Escutcheon

Inside Escutcheon (Back)

Fig. 7A

Inside of Door

With Deadbolt
Lock Body Wire Harness

TB1
Black   Red

Without Deadbolt
Lock Body Wire Harness

TB1
Red
Black
Green
Green

Motor Connector

TB1

Ground

Remote Power REX Connector

Fig. 7B

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Step #8 – Inside Lever Installation

1. Slide lever handle onto spindle until fully seated (Fig. 8A).

2. Insert #8-32 x 1-1/4" screws through inside escutcheon and thread into outside escutcheon.

3. Straighten escutcheons and tighten securely.

4. Tighten the set screw securely with 1/8" hex wrench.

Inside of Door

Fig. 8A

Spindle

Set Screw

Inside Lever
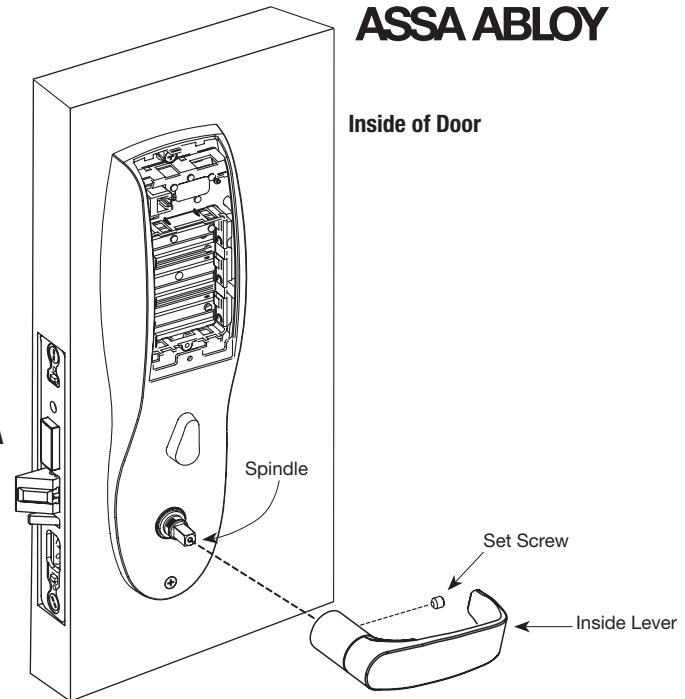
Step #9 – Install and Secure Cylinder

1. Slide cylinder through the spring and rosette/collar and screw into lock body, rotating the cylinder clockwise (Fig. 9A).

   Cylinder should be flush with rosette/collar.

   Note: The 43 cylinder may be used when installing this product with or without a gasket.

   Note: SARGENT logo must be horizontal and on the top of the cylinder (Fig. 9B).

2. Secure the cylinder by tightening cylinder clamp screw located above the deadbolt using #2 Phillips screwdriver (Fig. 9C).

3. Using the key, test cylinder functions:
   - 8278 Function: Key retracts latch
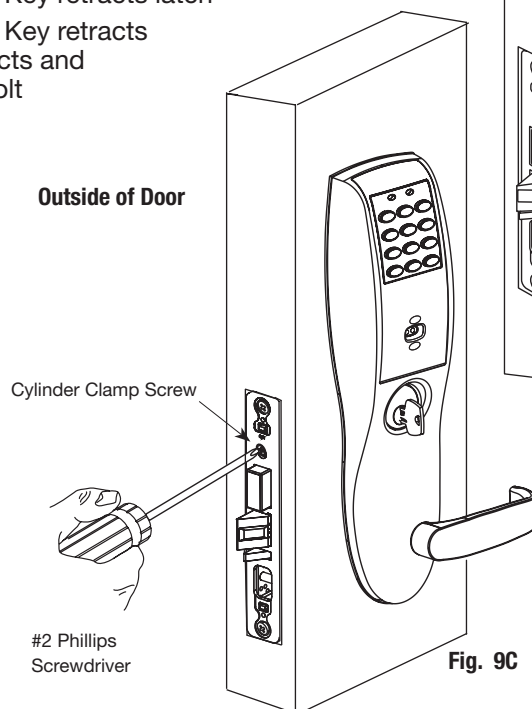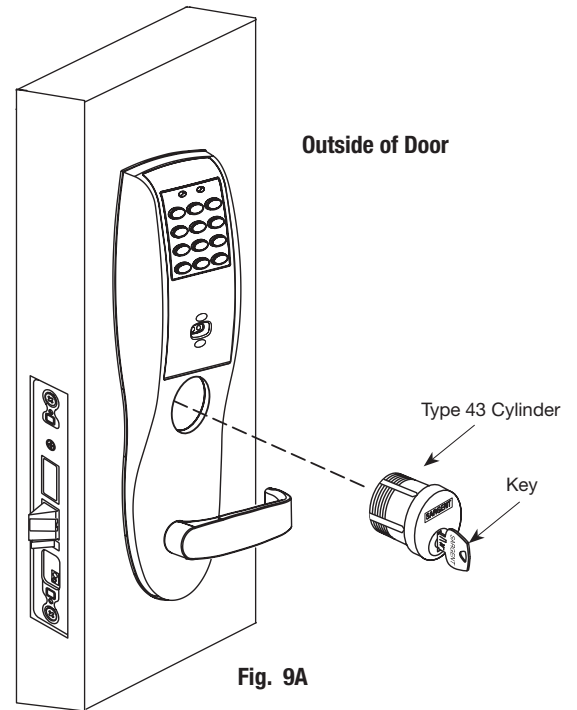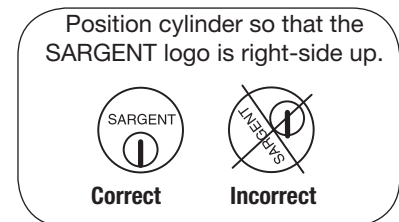   - 8276 Function: Key retracts latch and projects and retracts deadbolt

Outside of Door

Type 43 Cylinder

Key

Fig. 9A

Outside of Door

Cylinder Clamp Screw

#2 Phillips Screwdriver

Fig. 9C

Position cylinder so that the SARGENT logo is right-side up.

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Correct

Incorrect

Fig. 9B

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Step #10 – Attach Front Plate

Attach front plate with (2) flat head screws.

Front Plate

(2) Flat Head Screws
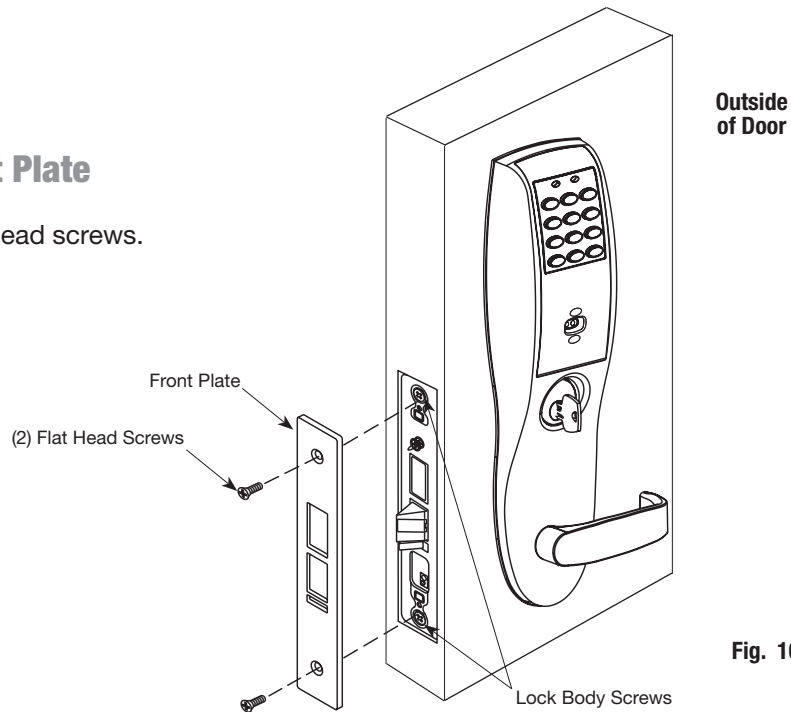
Outside
of Door

Lock Body Screws

Fig. 10A

Step #11 – Attach Battery Keeper and Cover

1. Secure the inside escutcheon using two #8-32 screws through top and bottom of the escutcheon (Fig. 11A). Thread into outside escutcheon.

   Note: For RF Technology versions (G1-TU, G1-TP, G1-TA), refer to "RF Technology Lock" section on page 14 to install through-bolt screws.

2. Straighten escutcheons and tighten securely, being careful to avoid pinching wires.

3. Attach inside cover to escutcheon making sure to line up tabs with retaining slots in cover.

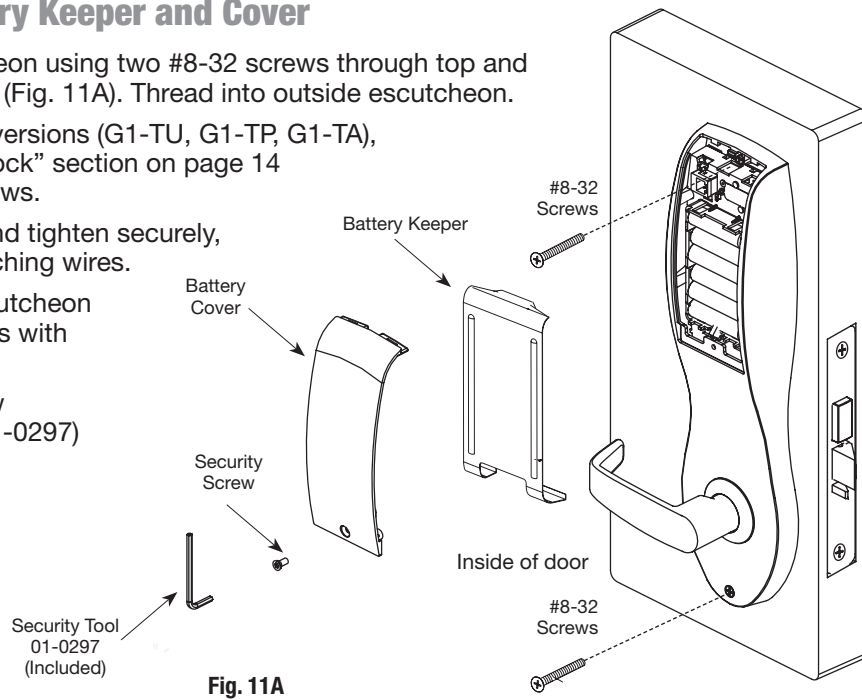4. Secure with security screw using security tool (P/N 01-0297) provided (Fig. 11A).

#8-32 Screws

Battery Keeper

Battery Cover

Security Screw

Security Tool 01-0297 (Included)

Inside of door

#8-32 Screws

Fig. 11A

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Step #12 – Install and Remove Batteries*

A. Install Batteries and Keeper

1. Place (6) "AA" batteries into the compartment, being careful to properly align polarity (Fig. 12A).
2. To install battery keeper, insert the tabs on the bottom of the keeper into the battery compartment slots and press the keeper tightly against batteries and inserting tabs into bottom slots.
   - For RF technology, use RF Technology lock information "RF Technology Lock" on page 14.
     IMPORTANT: * Do not install batteries if controller is powered by external power supply.
   - Test for proper operation before closing door.

B. Remove Battery Keeper

To remove the battery keeper, pull the keeper away from the batteries (Fig. 12B).

+
-
+
+
-
+

Bottom Tabs
(Battery Keeper)

Fig. 12A

Tip Out

Battery Keeper

Keeper Tabs

Fig. 12B
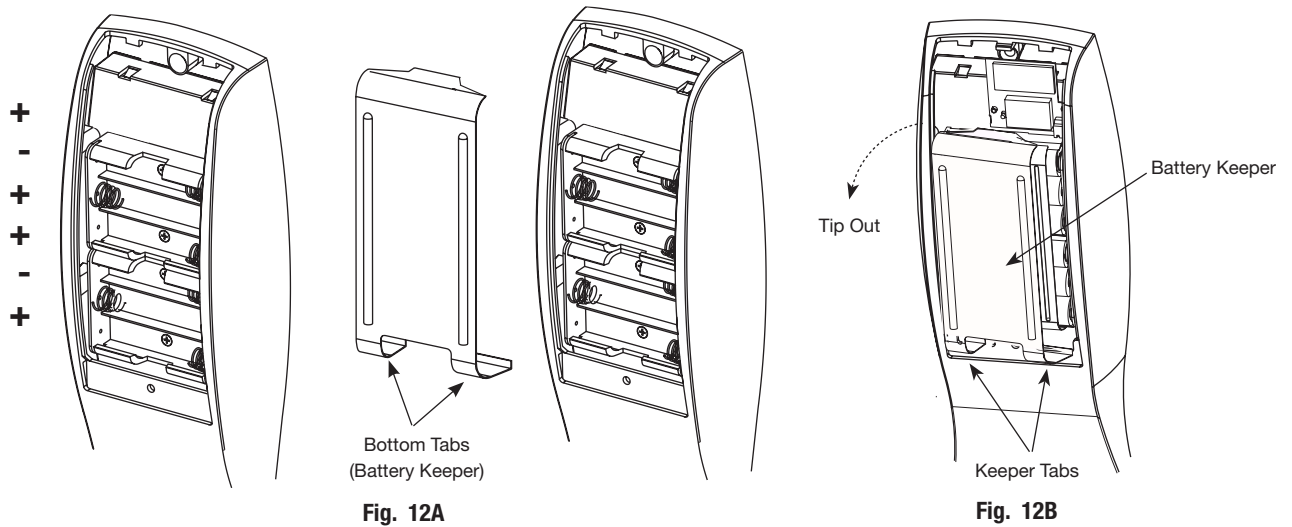
Step #13 – Install Inside Cover

1. Attach inside cover to escutcheon making sure to line up tabs with retaining slots in cover.
2. Secure with security screw using provided security tool Fig. 13A).

Tabs

Retaining Slots

Fig. 13A

01/31/14
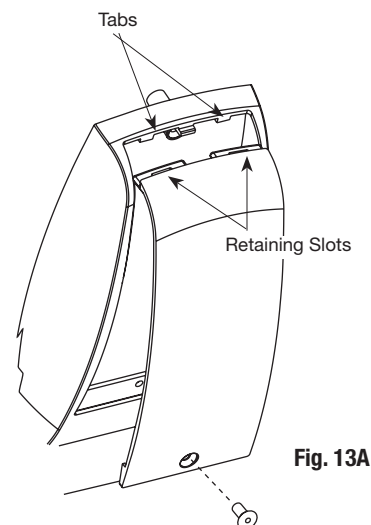
7 RF Technology Lock

Installation for the RF Technology Lock for G1-TU, G1-TA, G1-TP is, for the most part, installed as described in section 6.

In addition:

The antenna board must be carefully moved to access the upper through-bolt screw. Care should be taken to prevent damage to the antenna retaining tabs during this process (Fig. 7A).

1. Press the two tabs away from the antenna board and lift the board off the mounting posts.

2. Insert the flat head through-bolt and secure the escutcheon in place.

3. After tightening the top through-bolt, replace the antenna board by placing it on the mounting posts and pressing into the retaining tabs.
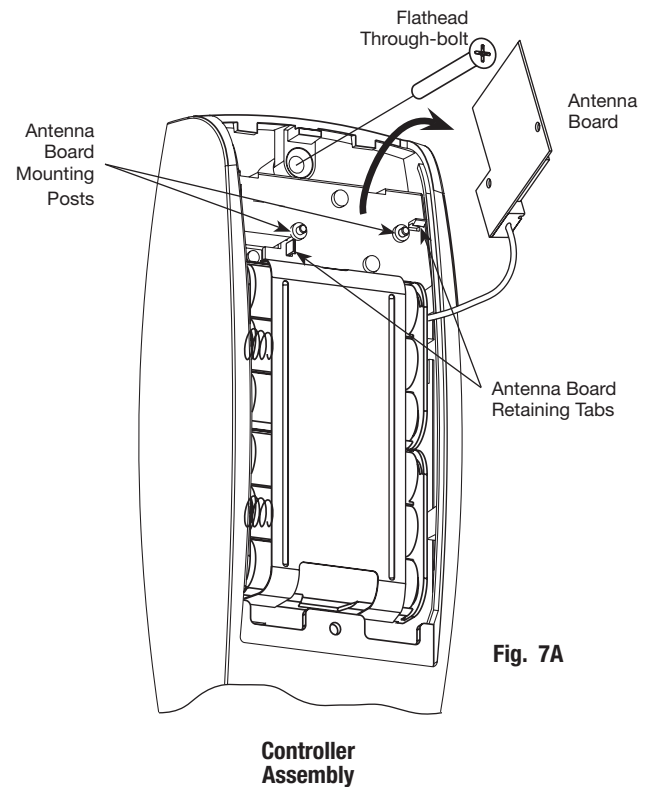
Flathead Through-bolt

Antenna Board

Antenna Board Mounting Posts

Antenna Board Retaining Tabs

Fig. 7A

Controller Assembly

⑧ Wiring Options

Hardwiring options include one or a combination of Forced/Propped Door, Hard Power and/or Remote Unlock (REX). Refer to the examples on the following pages:

1. Forced/Propped Door Option (DM-).
2. Hard Power and Remote Unlock (91-).
3. Hard Power and Remote Unlock (-91), with Forced Propped Door (DM-).

Important

1. Caution: Disconnect all input power before beginning installation to prevent electrical shock and equipment damage.
2. Installer must be a trained, experienced service person.
3. All wiring must comply with applicable local electrical codes, ordinances and regulations.

Installation Notes

1. With new applications, an ElectroLynx® door harness with 8 and 4 pin connectors will be pre-installed inside door by ASSA ABLOY door manufacturer when specified during ordering process.
2. Wiring to pigtail harness is per facility wiring requirement.

    ElectroLynx® connector terminations and wire colors all match.
3. If door does not have an ElectroLynx® type door harness, cut connectors off product and hard-wire, or consult factory for appropriate mating harness.

ElectroLynx® Connector System Notes

The system is designed to be installation friendly with connectors from the electric hinge through the door to the rail. The only wiring required is to the loose wires on the pigtail harness assembly on the frame side of the electric hinge.

IMPORTANT:

The plug and receptacle connectors are designed to mate and lock together as shown in the figure. Plug the connectors into each other with the locking mechanism aligned as indicated.

Do NOT force connectors on any other way.

Receptacle

Locking Mechanism

Plug
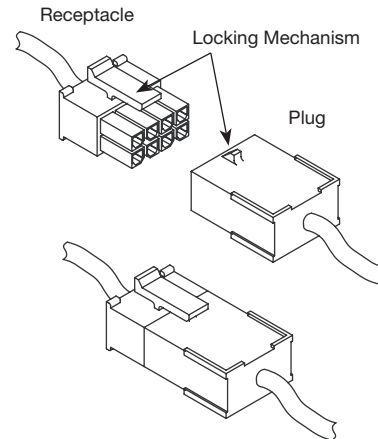
Hardwiring Made Easy ®

ELECTRO **Lynx**®

ElectroLynx®
As part of their promise to provide innovative, fast and effective, and higher security solutions to their customers, ASSA ABLOY Group companies offer ElectroLynx, a universal quick-connect system that simplifies the electrification of the door opening. ElectroLynx® is a registered trademark of ASSA ABLOY, Inc.

01/31/14

A **ElectroLynx Lock Wire Connections**

Door Position Switch (DPS)

Install the SARGENT 3287 Door Status Switch according to instructions included in the kit.

Wire the 3287 Door Status Switch to the ElectroLynx frame harness and to the door status wires:

1. Connect the common wire of the switch to the common wire of the harness.
2. Connect the normally open wire of the switch to the door position wire of the harness.

   Note: The third wire (normally closed) of the 3287 Door Status Switch is not used for this type of system.

Before the controller is attached to the door (Fig. 1A):

1. Attach the reader cable to the controller.
2. Attach the connector from the lock into the bottom of the circuit board (TB2, Fig. 3B).
3. Plug the ground wire into the bottom of the controller assembly (E1, Fig. 3B).
4. Route the connector from the raceway through the top opening between the controller and the escutcheon, along the battery keeper, back under the bottom opening between the controller and escutcheon and attach at the bottom of the controller.

   Note: Connectors go on only one way.

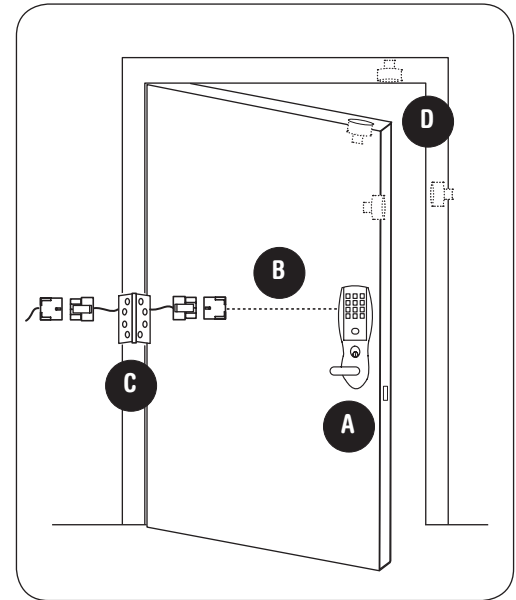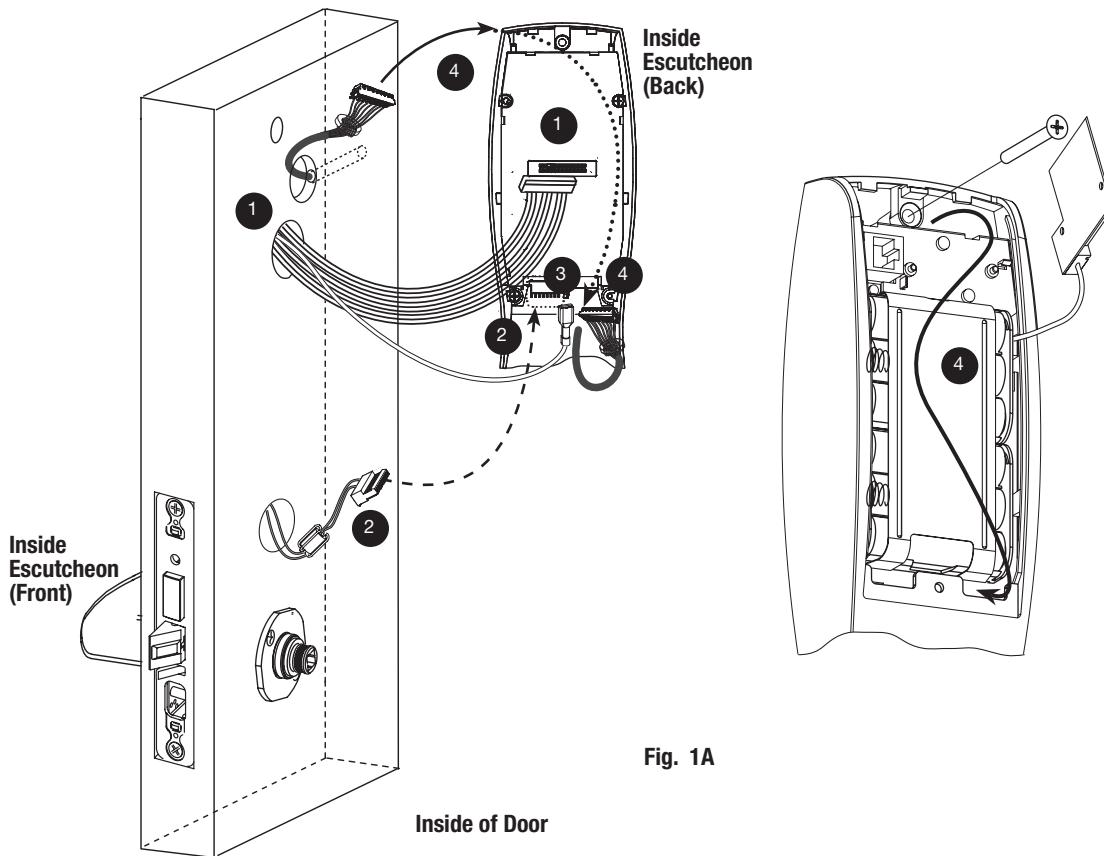   Do not offset connectors and make sure they are completely seated.

Fig. 1

Fig. 1A

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ASSA ABLOY

Option #1 – Forced / Propped Door (DM-)

Installation

1. ElectroLynx® System Wiring Instructions (Fig. 1, 1A and Fig. 2):

   a. Look for the mating part on ASSA ABLOY doors and frames.

   b. Plug in all connectors during product installation (Fig. 2).

   c. Hard wire door status switch as shown

2. Non-ElectroLynx® System Wiring Instructions (Fig. 1 and Fig. 2):

   a. Cut the 4-pin connector off the Forced/Propped harness and hard wire to non-ElectroLynx® two conductor door harness.

   b. DM- requires two conductors.

   c. Hard wire door harness to power transfer device.

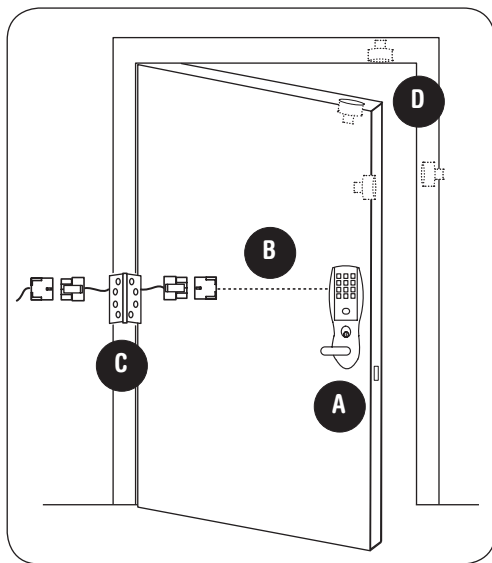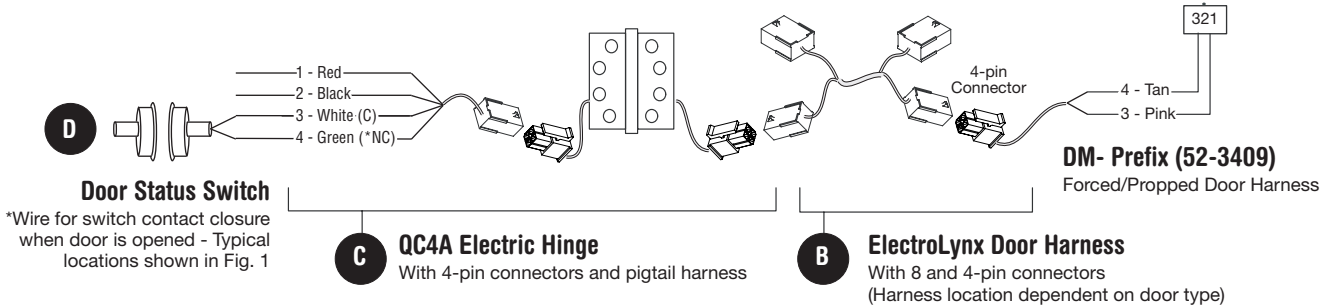   d. Hard wire door status switch to power transfer device.

Fig. 1

Door Status Switch
*Wire for switch contact closure when door is opened - Typical locations shown in Fig. 1

C **QC4A Electric Hinge**
With 4-pin connectors and pigtail harness

B **ElectroLynx Door Harness**
With 8 and 4-pin connectors
(Harness location dependent on door type)

DM- Prefix (52-3409)
Forced/Propped Door Harness

Fig. 2
Forced/Propped Door Option
ElectroLynx Wiring System

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Option #2 – Remote Power and Remote Unlock (91-)
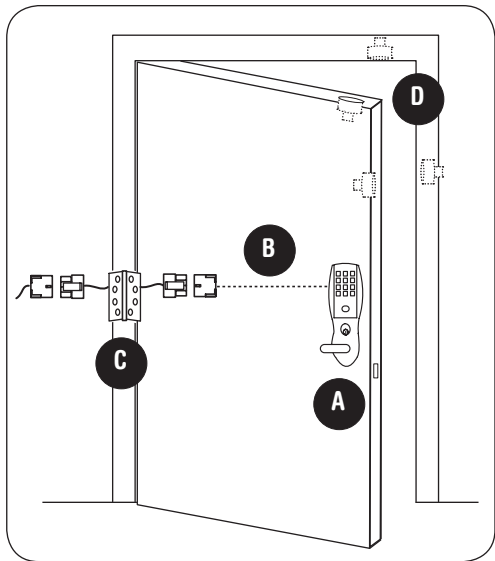
Fig. 1

Installation

1. ElectroLynx® System Wiring Instructions (Fig. 1, 1A and Fig. 3):

   a. Look for the mating part on ASSA ABLOY doors and frames.

   b. Plug in all connectors during product installation (Fig. 3).

   c. Hard wire hard power and/or remote unlock (REX) (Fig. 3).

2. Non-ElectroLynx® System Wiring Instructions (Fig. 1 and Fig. 3):

   a. Cut the 8-pin connector off the Remote Power/Unlock harness and hard wire to non-ElectroLynx® door harness.

   b. Remote power requires three conductors and remote unlock requires two conductors.

   c. Hard wire door harness to power transfer device.

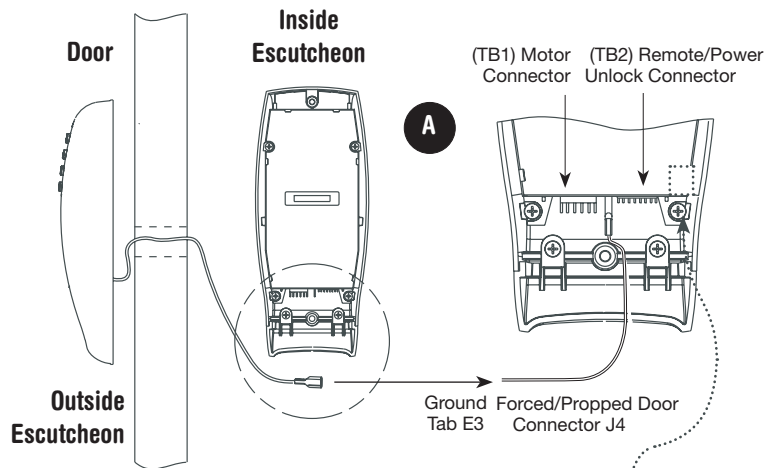   d. Hard wire door status switch to power transfer device.

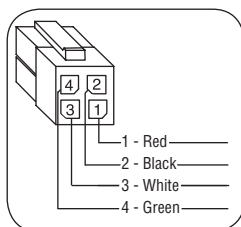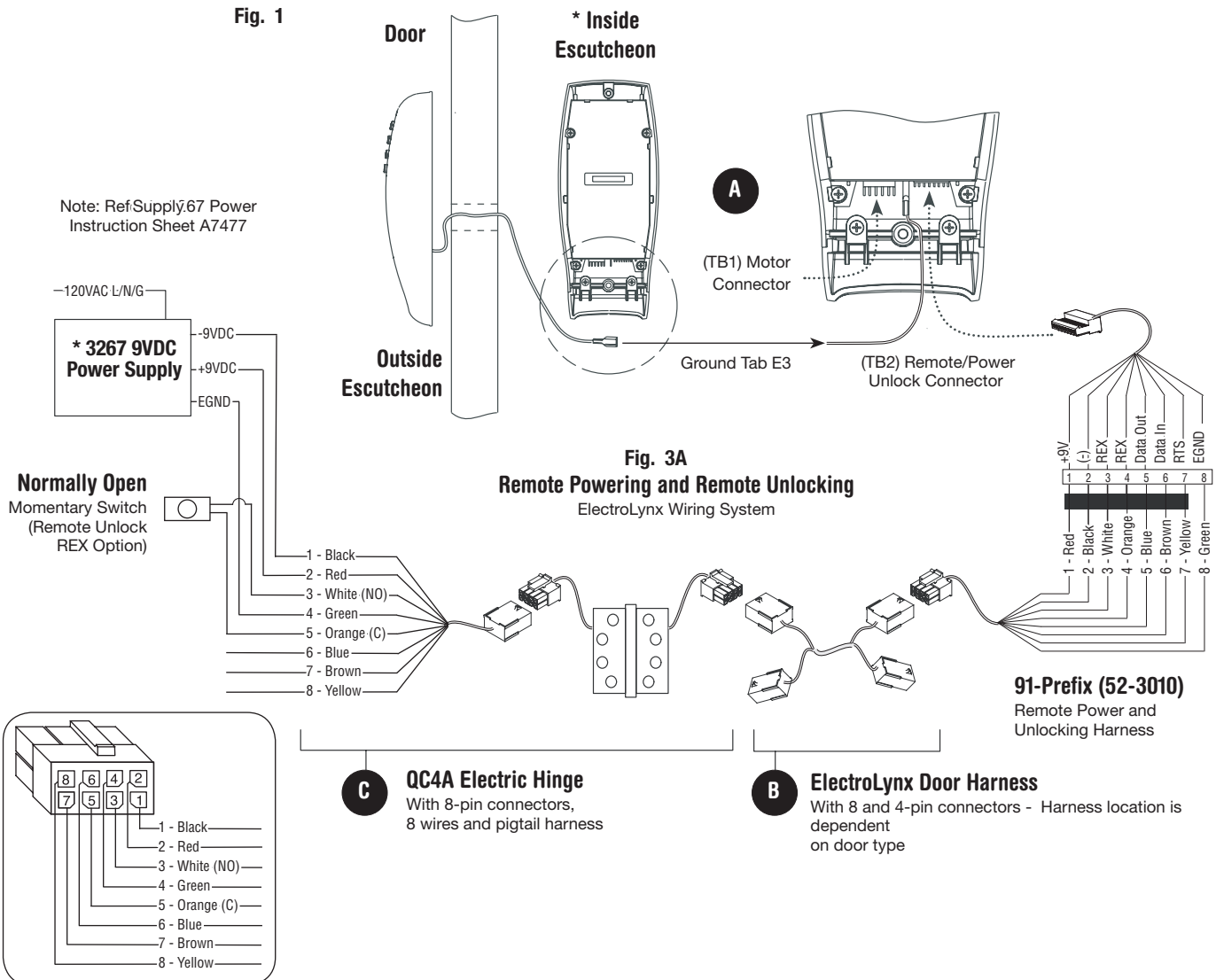   ***IMPORTANT**: (6) "AA" batteries MUST be removed from controller when using 3267 power supply.

Door

* Inside Escutcheon

Note: Ref Supply 67 Power Instruction Sheet A7477

(TB1) Motor Connector

Ground Tab E3

(TB2) Remote/Power Unlock Connector

Outside Escutcheon

* 3267 9VDC Power Supply

—120VAC L/N/G—

-9VDC
+9VDC
EGND

Fig. 3A
Remote Powering and Remote Unlocking
ElectroLynx Wiring System

Normally Open
Momentary Switch
(Remote Unlock REX Option)

1 - Black
2 - Red
3 - White (NO)
4 - Green
5 - Orange (C)
6 - Blue
7 - Brown
8 - Yellow

1 - Red / 2 - Black / 3 - White / 4 - Orange / 5 - Blue / 6 - Brown / 7 - Yellow / 8 - Green

+9V / (-) / REX / REX / Data Out / Data In / RTS / EGND
1 2 3 4 5 6 7 8

91-Prefix (52-3010)
Remote Power and
Unlocking Harness

1 - Black
2 - Red
3 - White (NO)
4 - Green
5 - Orange (C)
6 - Blue
7 - Brown
8 - Yellow

QC4A Electric Hinge
With 8-pin connectors,
8 wires and pigtail harness

ElectroLynx Door Harness
With 8 and 4-pin connectors - Harness location is dependent on door type

01/31/14

Option #3 – Hard Power/Remote Unlock (91-) Combined With Forced/Propped Door (DM-)
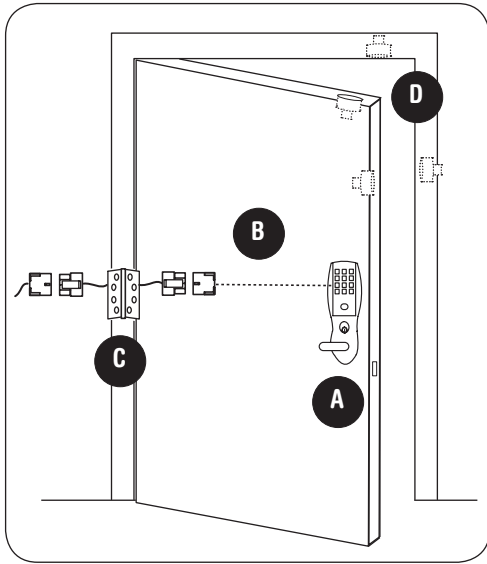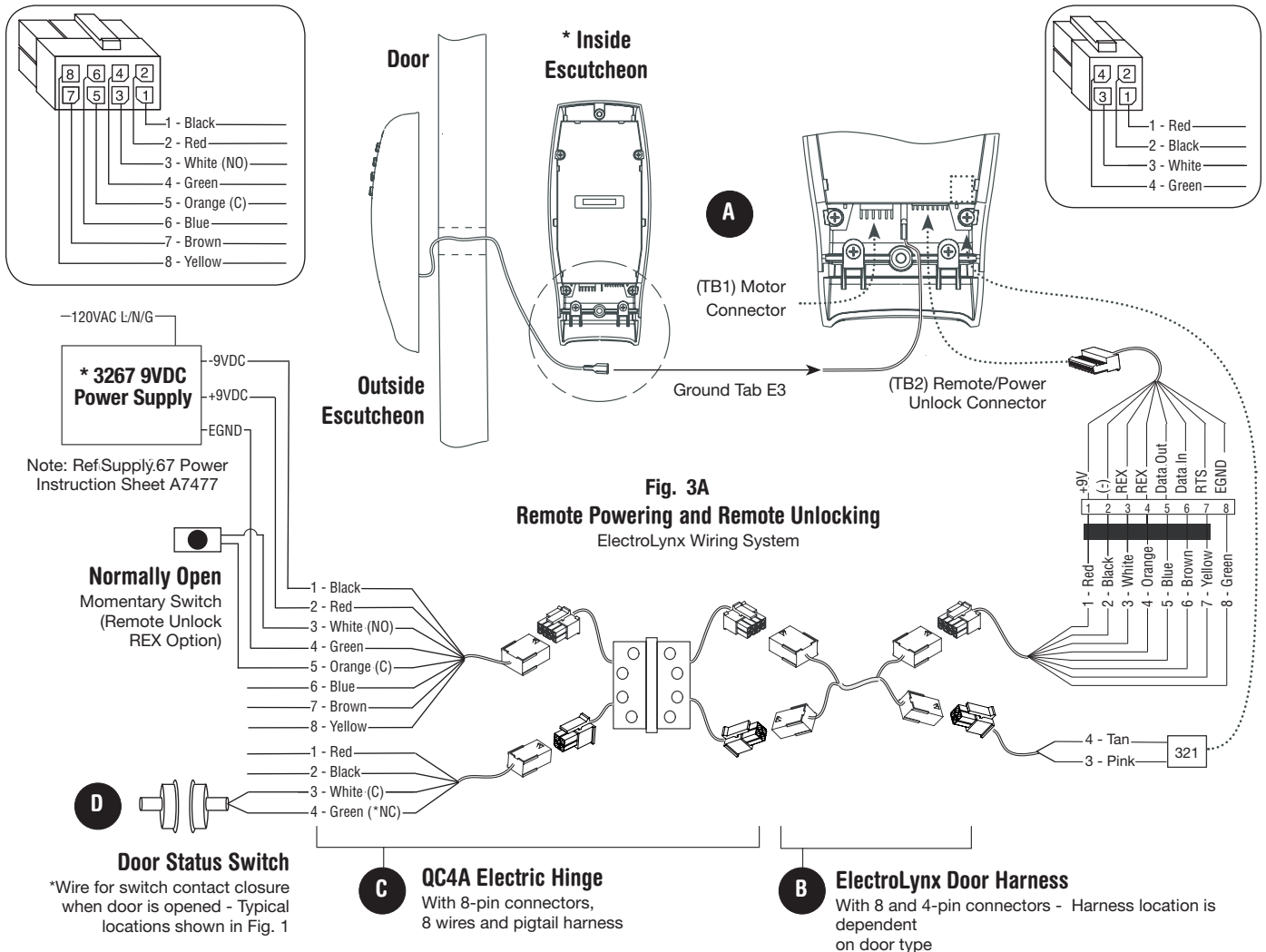

Fig. 1

Installation

1. ElectroLynx® System Wiring Instructions (Fig. 1, 1A and Fig. 3):
   a. Look for the mating part on ASSA ABLOY doors and frames.
   b. Plug in all connectors during product installation (Fig. 3).
   c. Hard wire hard power and/or remote unlock (REX) (Fig. 3).

2. Non-ElectroLynx® System Wiring Instructions (Fig. 1 and Fig. 3):
   a. Cut the 8 and 4-pin connectors off the Remote Power/Unlock harness and hard wire to non-ElectroLynx® door harness.
   b. Remote power requires three conductors; and remote unlock and DM- require two conductors.
   c. Hard wire door harness to power transfer device.
   d. Hard wire door status switch to power transfer device.

   *IMPORTANT: (6) "AA" batteries MUST be removed from controller when using 3267 power supply.

8 6 4 2
7 5 3 1

1 - Black
2 - Red
3 - White (NO)
4 - Green
5 - Orange (C)
6 - Blue
7 - Brown
8 - Yellow

—120VAC L/N/G—

* 3267 9VDC Power Supply

-9VDC
+9VDC
EGND

Note: Ref. Supply.67 Power Instruction Sheet A7477

Normally Open
Momentary Switch
(Remote Unlock
REX Option)

Door

Outside Escutcheon

* Inside Escutcheon

A

(TB1) Motor Connector

Ground Tab E3

(TB2) Remote/Power Unlock Connector

4 2
3 1

1 - Red
2 - Black
3 - White
4 - Green

Fig. 3A
Remote Powering and Remote Unlocking
ElectroLynx Wiring System

+9V
(-)
REX
REX
Data Out
Data In
RTS
EGND

1 2 3 4 5 6 7 8

1 - Red
2 - Black
3 - White
4 - Orange
5 - Blue
6 - Brown
7 - Yellow
8 - Green

1 - Black
2 - Red
3 - White (NO)
4 - Green
5 - Orange (C)
6 - Blue
7 - Brown
8 - Yellow

1 - Red
2 - Black
3 - White (C)
4 - Green (*NC)

4 - Tan
3 - Pink

321

D

Door Status Switch
*Wire for switch contact closure when door is opened - Typical locations shown in Fig. 1

C **QC4A Electric Hinge**
With 8-pin connectors, 8 wires and pigtail harness

B **ElectroLynx Door Harness**
With 8 and 4-pin connectors - Harness location is dependent on door type

01/31/14
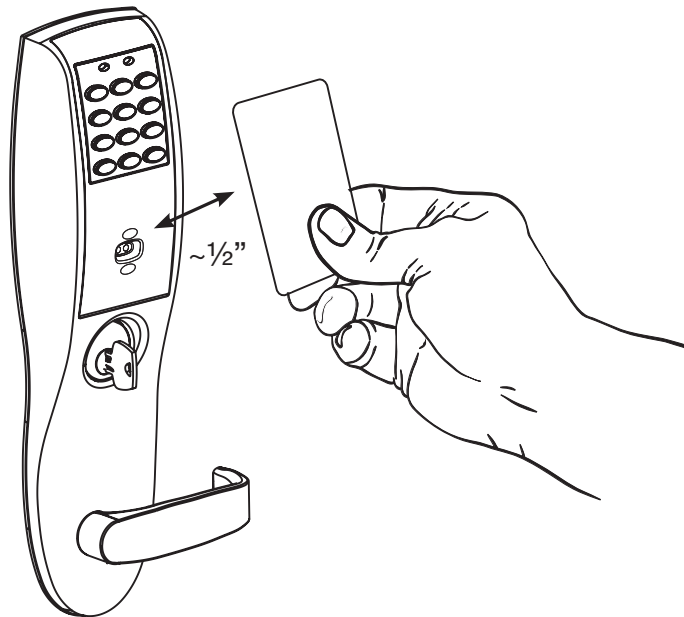
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ASSA ABLOY

9 Operational Check

For devices with cylinders, insert key into cylinder and rotate.

Check to see if:

1. The key retracts the latch.

   Key should rotate freely.

   Key should extend and retract the deadbolt (if applicable).

2. The inside lever retracts latchbolt.

   Thumbturn should extend and retract the deadbolt (if applicable).

3. Enter 1234* to unlock outside lever handle and retract latch and deadbolt if provided).

   Note: If the lock is prox only (G1-PA) or RF Technology with Prox (G1-TA), refer to keypad programming instruction manual A7857.

~½"

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Notes

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