# ENTRY DOOR LATCH INFORMATION - FASTEC, INC.

Fastec door latches are installed on about 98% of all entry doors in the RV industry.  They are the only manual latch used by Lippert Components, Inc.

LCI Fastec door latch comes in 3 colors; Black-50% usage; White - 40% usage; Chrome - 10%.

There are 25 different keys used for the manual door latches.

The Fastec Key  code is stamped into the key as a 5 character code, e.g. HF 345, see Fig. 1.

**KEY CODE**

Standard key will have a square, black plastic coating on the key handle and will have "FIC" molded on the face.
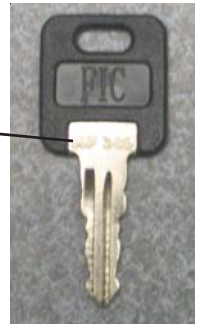
**Fig. 1**

In the event of a lost key, the key code can be found on a sticker affixed to the back plate of the latch,  see Fig. 2a.  **Fastec's toll free number will also be listed - (800)837-2505.**



**Fig. 2**

Remove the four mounting screws found on the inside door latch, see Fig 3.  Remove inside latch to reveal key code sticker, see Fig. 2b.

A Master Key will have the same characteristics only in red plastic.  The Master Key will only open the door lock and not the deadbolt, See Fig. 4.
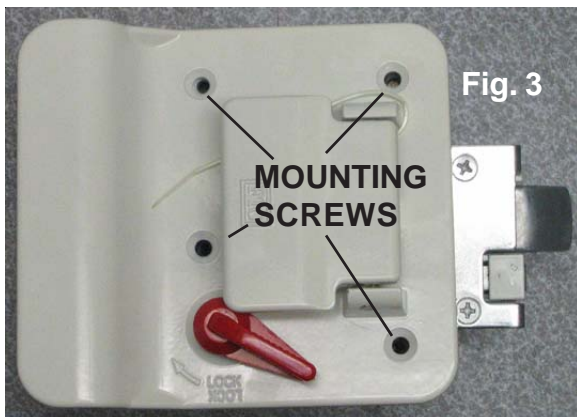
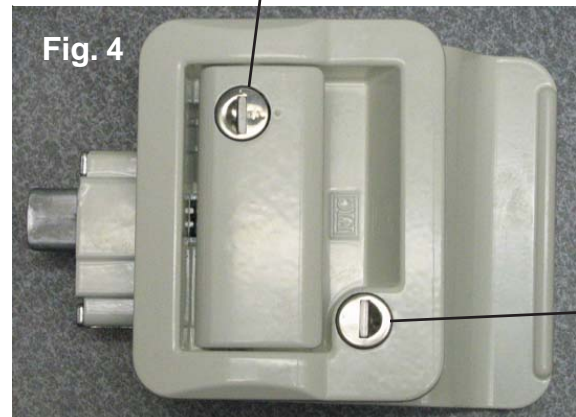**DOOR LOCK**

**Fig. 3**

**MOUNTING SCREWS**

**Fig. 4**

**DEAD BOLT**

# ENTRY DOOR LATCH INFORMATION - SOUTHCO

SOUTHCO, Inc. door latches are used in Lippert's Keyless Entry Door systems.  At this time, they are only offered on Heartland, Keystone, Primetime and KZ.  All units are towable.

All Southco units are black and the door handle is slightly curved, see Fig. 5, as opposed to the straight door handle on the Fastec.

Heartland has exclusive rights to the keypad, see Fig. 6.  Keystone, Primetime and KZ all use the keyfob, see Fig. 7.



**Fig. 6**



**Fig. 7**

The Southco key code is a 3 -digit code stamped onto the key, see Fig. 8.  The key handle has black molded plastic on the key handle and is rounded at the end.  The Master Key bears no keycode.



**KEY CODE**

**Fig. 8**

If the key or key fob is lost, the keycode can be found on the latch plate, see Fig. 9,  by removing the 4 screws on the inside latch handle, see Fig. 10.  **Southco can be contacted directly for key or keyfob replacement - 610-459-4000.**
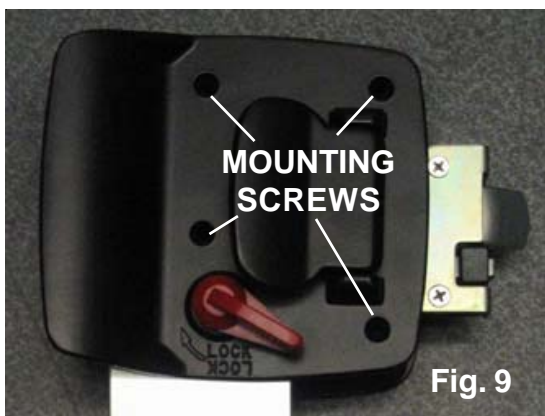
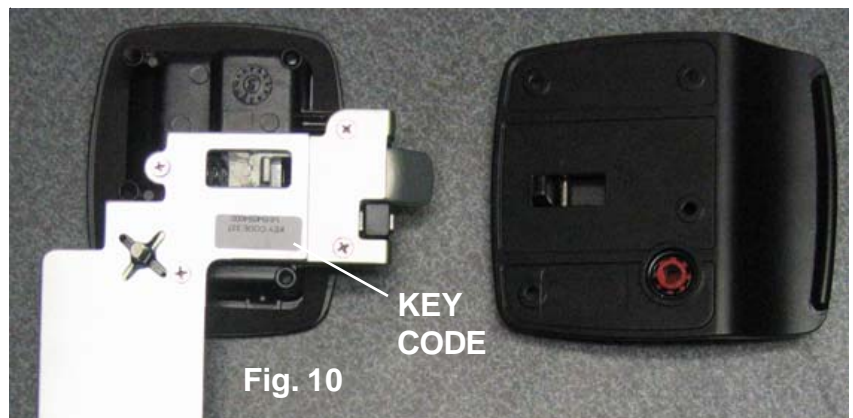

**MOUNTING SCREWS**

**Fig. 9**



**KEY CODE**

**Fig. 10**

# ENTRY DOOR LATCH INFORMATION - SOUTHCO, CON'T.

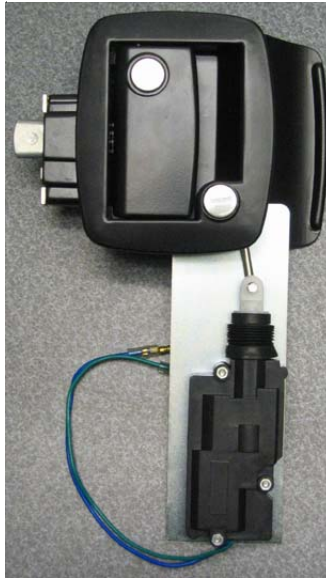The keyless entry mechanism is mounted in the door accessed just below the door latch, see Fig. 11.



**Fig. 11**

The receiver is mounted just below the  entry door window.

The keypad for Heartland unit and the keyfob for the Keystone, Primetime and KZ units are all matched directly to the receiver.  A small black sticker with the code number is affixed directly to each component.  On the keypad, the sticker is located under the 9 - 0 button, see Fig. 12.  On the keyfob, in the middle of the backside of the fob, see Fig. 13.  The matching code will be located to the receiver next to the antenna.



**Fig. 12**



**Fig. 13**



**Fig. 14**

# ENTRY DOOR LATCH INFORMATION - SOUTHCO, CON'T.

Problem: Entry door latch will not actuate
1. Verify User Code:

> *A draft version of operating instructions states that the default code is 1-2-3-4. This was NOTtrue for early product units. The early production units came preprogrammed with a 4 digit user code. The user code was printed on small piece of paper taped to the inside of the RV door.*

    a. Verify the battery on the wireless keypad is working: press any button on the keypad, all lights should illuminate. If no lights illuminate the keypad battery is dead.

        i. Replacing the battery: On the [9-0] side of the wireless keypad, insert a small flat screwdriver into the small slot to pry off the cover. Remove the green electronic board. Turn it over to the battery side, replace with a CR 2032 3V battery.

    b. Enter the given user code, then press the [1-2] button.

    c. If the entered user code is correct, the [9-0] button only will illuminate for a couple of seconds.

    d. If the entered user code is incorrect, all buttons will illuminate for a couple of seconds.

        i. If the code is incorrect: The OEM taped a small piece of paper to the inside of the entry door that contains the correct user code.

        ii. If the user code is missing: Contact Southco Inc. @ 610.459.4000

        iii. The current user code must be known in order to change the user code.
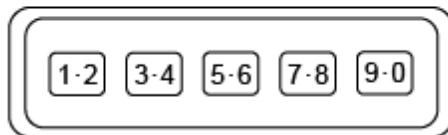
2. Verify Power Supply to the Latch:

    a. Power is supplied to the latch actuator thru a bridge connector at the bottom of the door on the hinge side. *When the door is open, there is no power transmitted to the latch*. See figure below:



Place **Red** lead top most contact

    b. The FRAME side of the connector should have resident 12VDC power.  This is the input power to the RF controller and the POLARITY is critical.  Using a multimeter set to read DC voltage: place the RED lead on the top most contact. Place the BLACK lead on the lower most contact. Meter should read +11-12V power. A negative value means the bridge connector was installed/wired backwards. To correct, remove screws on the connector, turn it over and reinstall.

3. If the user code is verified AND power is there with the correct polarity then contact
    Southco Inc. 610.459.4000.

# ENTRY DOOR LATCH INFORMATION - SOUTHCO, CON'T.

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## EA-R0x Wireless Keypad Operating Instructions

### EA-R0x Wireless Keypad Kit



### Package Contents

    Wireless Keypad Transmitter
    Receiver Unit
    Wire Harness
    Keypad Mounting Hardware

### Specifications

| | |
|---|---|
| Receiver Power: | 12VDC (±10%) |
| Receiver Idle Current: | 10mA (maximum), no attached devices |
| Receiver Operating Current: | 1A (maximum), no attached devices |
| Receiver Outputs: | three Form C relays, rated 15A at 14VDC |
| Operating Range: | up to 60 feet (open air) |
| Operating Frequency: | 433.92MHz |
| Coding Type: | Fixed Code |
| Transmitter Power: | Type CR2032 3VDC battery |

### Normal Use

The wireless keypad transmitter can be used to lock and unlock the system.

#### Unlocking the System

Enter the user code, then press the 1-2 button.
The system will unlock and the auxiliary output will pulse twice.

#### Locking the System

Enter the user code, then press the 3-4 button.
The system will lock and the auxiliary output will pulse once.

#### Pulsing Auxiliary Output

Enter the user code, then press the 5-6 button.
The auxiliary output will pulse five times.

### Changing the User Code

The unit is shipped with a default user code of 1234.

The user code can be changed to a 3-7 digit number.

To change the user code:

1. Press the 9-0 button for approximately 3 seconds. Keypad lights should flash twice then stay on.
2. Enter the current user code. When entering the last digit of the current user code, hold the button for approximately 2 seconds. Keypad lights should flash once then stay on.
3. Enter the new user code. When entering the last digit of the new user code, hold the button for approximately 2 seconds. Keypad lights should flash once then stay on.
4. Repeat the new user code. When entering the last digit of the new user code, hold the button for approximately 2 seconds.

5. Keypad lights should flash once then turn off. The user code has been successfully changed.

If the keypad lights turn off during Steps 1-4, then programming has been timed out and the process needs to be repeated from Step 1.

⚠ NOTE: If the user code is lost or forgotten, contact Southco for assistance.

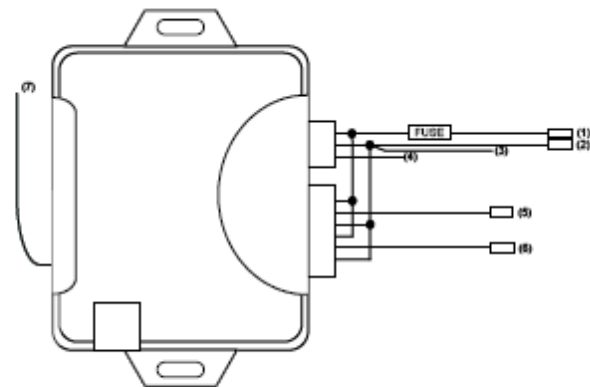### Transmitter Battery Replacement

Replace the transmitter battery with a Type CR2032 3VDC battery. The battery can be replaced by removing the screw on the back side of the keypad and opening the enclosure.

### Receiver Fuse Replacement

Replace with 15A automotive blade fuse only.

### Receiver Unit Mounting and Wiring

The receiver should be mounted in a location to minimize RF shielding. Two mounting screw bosses are provided to mount the receiver.



| Wire | Wire Color | Description |
|---|---|---|
| 1 | Red | Power Supply Input (12VDC) |
| 2 | Black | Ground |
| 3 | Black | Ground (for use with auxiliary output) |
| 4 | Yellow | Auxiliary Output |
| 5 | Green | Actuator Output (connect to actuator green wire) |
| 6 | Blue | Actuator Output (connect to actuator blue wire) |
| 7 | Black | Antenna (do not connect) |

For technical support of this product contact: info@southco.com
or visit:  www.southco.com.