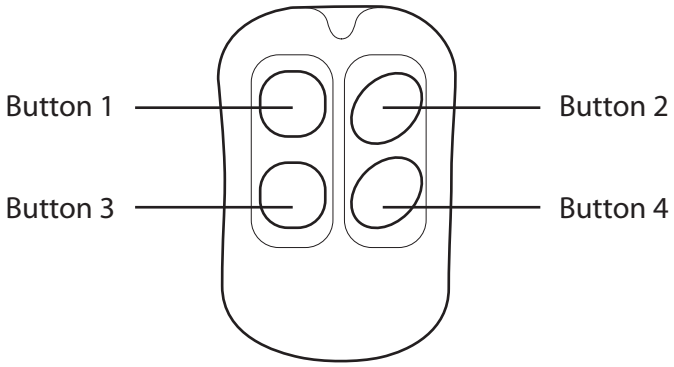
USER GUIDE AND INSTALLATION MANUAL

SHAVED DOOR HANDLE SYSTEM

SVPRO1 *(7-18 Function)* **Series**
SVPRO2 *(7-18 Function)* **Series**
SVPRO3 *(7-18 Function)* **Series**
SVPRO5 *(7-18 Function)* **Series**
SVPROA1 *(7-18 Function)* **Series**
SVPROA2 *(7-18 Function)* **Series**
SVPROA3 *(7-18 Function)* **Series**
SVPROA5 *(7-18 Function)* **Series**



SOLENOID INSTALLATION

1. Using the 2 standard screws and washers provided attach the bracket to the solenoid. Install the smaller screw and washer on the solenoids rear terminal.
2. Remove door's interior door panel and locate the factory latch. Clean and lubricate the latch.
3. Using the hex bolts mount the solenoid to a clean piece of metal in a dry location. Ideally you want to mount the solenoid so you have a direct pull from the door latch to the solenoid. If you are unable to mount the solenoid with a direct pull, relocate the solenoid to a dry location. In some cases you will need to use the cable extension kit (SVAEX) to redirect the cable from the latch to the solenoid. (See Figure 1)
4. Create a loop with the cable and secure with the aluminum crimp around the door latch. (See Figure 2) Run cable through door avoiding all moving parts to the solenoid.
5. Run cable through the eye of the solenoid, create a loop, and secure with aluminum crimp. (See Figure 3)
   NOTE: For best performance, keep a little slack in the cable.

Button	Function	Condition
1	Arm Alarm (Open Garage Door) 1st channel output	Anytime
2	Disarm Alarm (Close Garage Door) 2nd channel output	Anytime
3	Open Driver Door 3rd channel output	Anytime
4	Open Passengers Door 4th channel output	Anytime
See Remote Keyless Instructions for multiple button operation.		

ALWAYS USE PROTECTION

Make sure to always protect your connections to the battery, using the appropirate fuses or circuit breakers.

PART #	PROTECTION
SL35	30 Amp Fuse
SL50	40/50 Amp CB
SL75/100	60/70 Amp CB

CB = Circuit Breaker

Figure 1

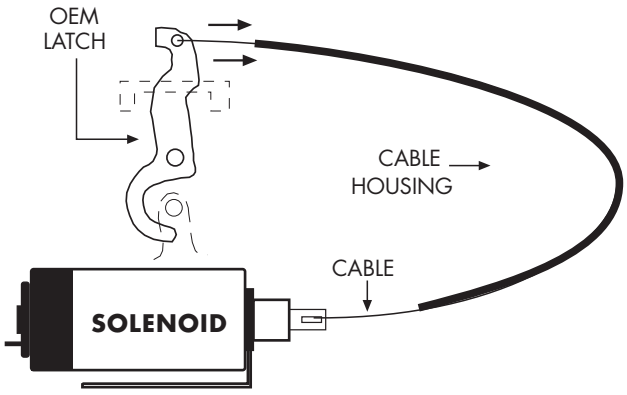


Figure 2

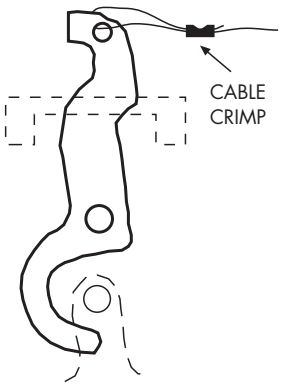
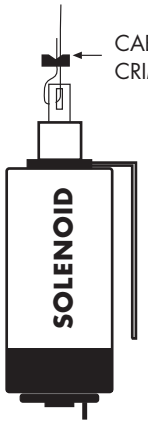


Figure 3



WIRING DIAGRAMS

DIAGRAM 1: Remote Keyless Entry Unit

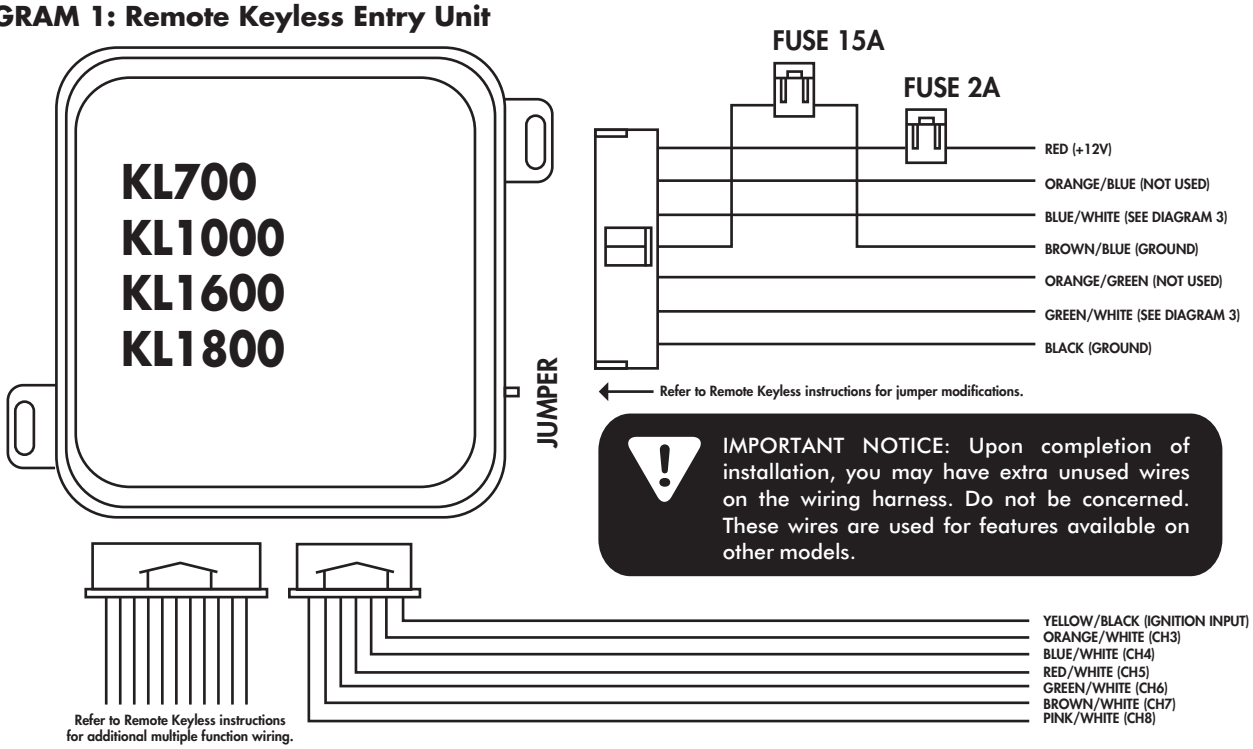


DIAGRAM 2: Power Windows & Motors

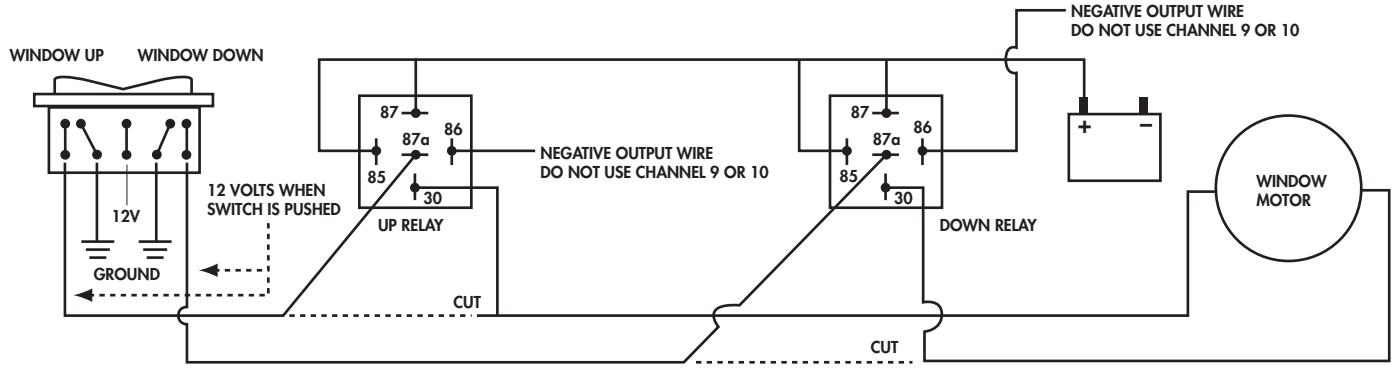
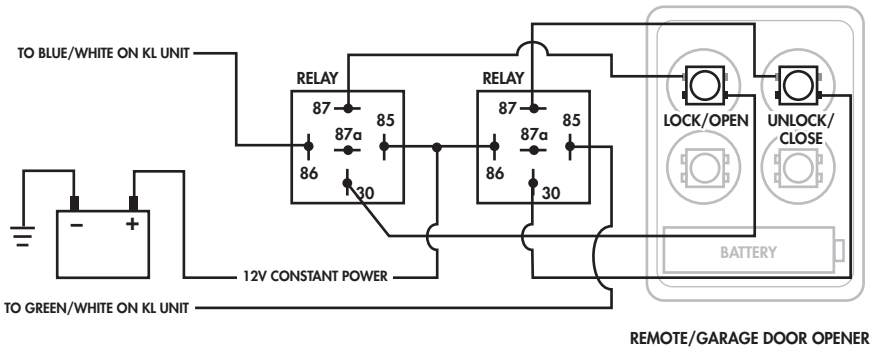


DIAGRAM 3: Alarm Remotes, Garage Door Openers, Etc.

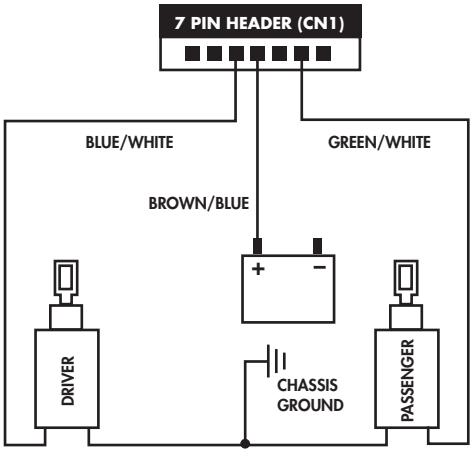


1. Disassemble the remote to gain access to the circuit board.
2. Locate the button to be triggered by the keyless entry system. The button will have an input, and an output. To test, use a wire to jump the connections of the button.
3. Connect the INPUT wire to terminal 30 of the relay.
4. Connect the OUTPUT wire to terminal 87 of the relay.
5. Connect terminal 86 to constant 12 Volts.
6. Connect terminal 85 to the keyless entry unit's channel wire.
7. Reassemble the remote and secure it underneth the dash.

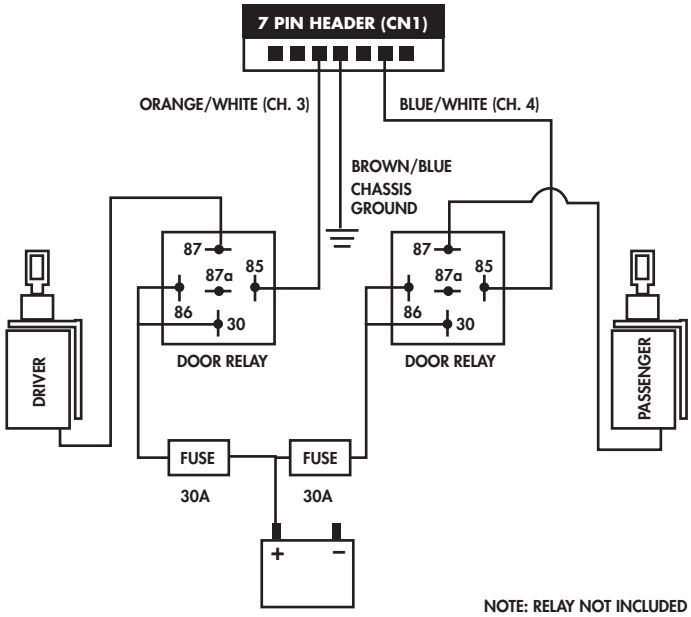
WIRING DIAGRAMS

FOR ALARM INSTALLION, See instructions provided with alarm.

LOW CURRENT SOLENOIDS & ACTUATORS

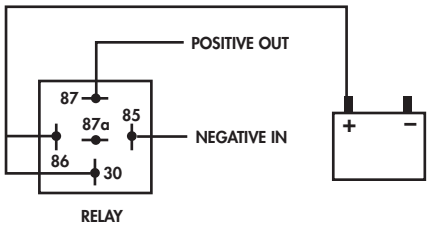


HIGH CURRENT DRAW SOLENOIDS (SL35/50)



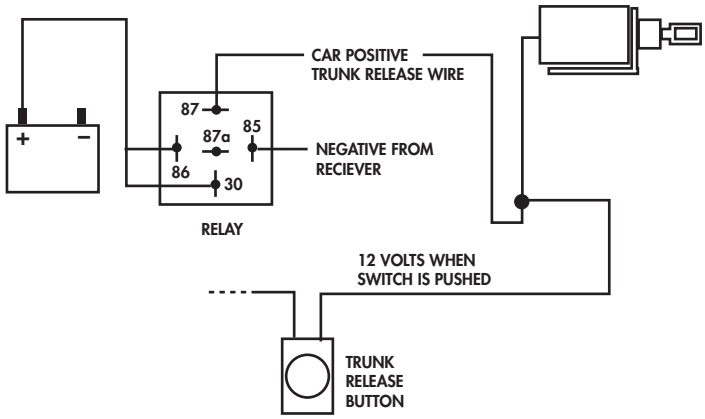
NOTE: RELAY NOT INCLUDED

NEGATIVE OUTPUT TO POSITIVE OUTPUT



NOTE: RELAY NOT INCLUDED

TRUNK/SHAVED DOOR HANDLE TRIGGER



TIPS&TRICKS for your solenoid wiring

Pole 85 – goes to negative trigger activation wire from remote unit
Pole 86 – goes to 12 volts constant fused at 1 amp minimum / 5 amps maximum
Pole 87 – goes to 12 volts constant (*see below)
Pole 87a – optional (**see below)
Pole 30 – output to solenoid

* Directly from the battery, use 10 gauge minimum / 8 gauge maximum wire , use a 15 to 20 amp circuit breaker within 18 inches of the battery

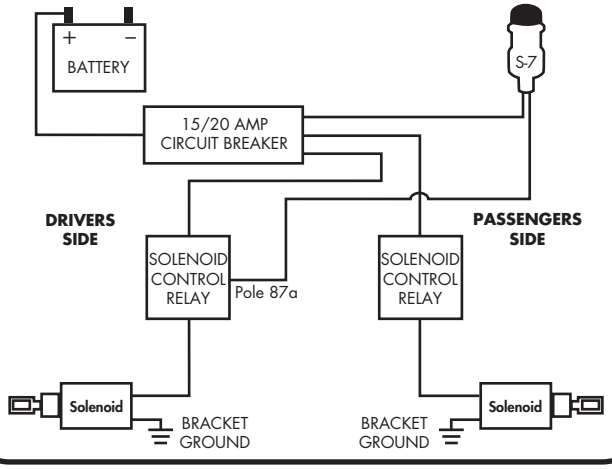
** Optional input from a high current back up button (AutoLoc part number: S–7)

*** Solenoid bracket should be grounded from the bracket to the kick panel area using the same size/gauge power wire as used to bring the power into the solenoid (a door is not a reliable ground point)

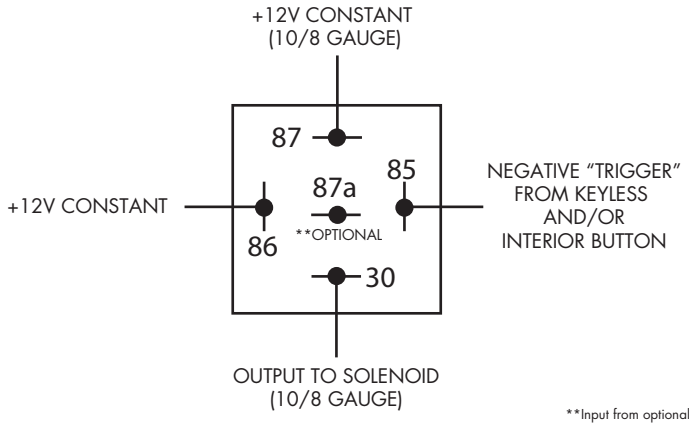
OPTIONAL SAFETY RELAY
Safety relay wiring (THIS DIAGRAM WILL PROHIBIT THE SOLENOIDS FROM OPERATING ANYTIME THE KEY IS IN THE ON POSITION)
Pole 85 – connects to ground
Pole 86 – connects to the ignition or accessory wire
Pole 87 – not used
Pole 87a – connects to 12 volts constant fused at 5 amps maximum
Pole 30 – 16 gauge wiring to pole 86 of each relay (solenoid control relays)

OPTIONAL - an emergency release cable is recommended for additional fail safe security (recommended to be installed on the passenger door)
(AutoLoc part number: SVERKD)

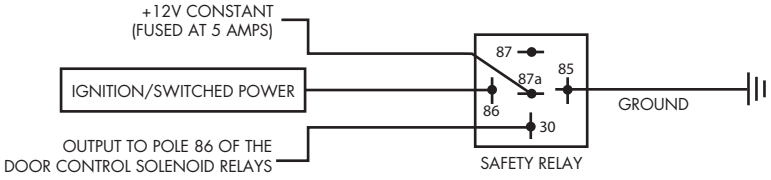
OVERALL DIAGRAM



SOLENOID CONTROL RELAY



**S-7 INSTRUCTIONS

From circuit breaker to one pole on S–7
Second pole of S–7 to Pole 87a of solenoid control relay

OPTIONAL SAFETY RELAY