SHAVE DOOR HANDLE SYSTEMS

AutoLöc™

SHAVED DOOR SOLENOIDS

SL35 SL75
SL50 SL100

COMPLETE SHAVED DOOR KITS

SVPRO3, SVPROA3
SVPRO5, SVPROA5
SVPRO7, SVPROA7

MULTI-FUNCTION KITS

SVPRO37, SVPRO310, SVPRO316, SVPRO318,
SVPRO57, SVPRO516, SVPRO518

ALARM KITS

SVPROA3, SVPROA5, SVPROA7

⚠ *Autoloc Shaved Door Kits set the standard for shaved doors done right, and your kit will provide you with years of flawless operation, however the kit must be installed properly. Follow the guidelines below and all instructions on the following pages closely.*

REQUIRED

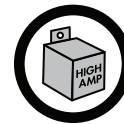| Disable Factory Lock Plunger	Mount in Dry Location	Install Circuit Protection	Good Ground Required	Use High Amp Relay	Leave Slack In Cable

➤ **Disable factory lock plunger to prevent accidental lockouts.**

➤ **Mount your solenoid in a DRY location. We recommend using the Autoloc Solenoid Relocation Kit (SVAEX) to mount the solenoid inside the vehicle.**

➤ **Mount the relay in a dry location.**
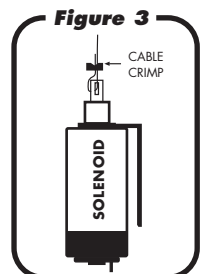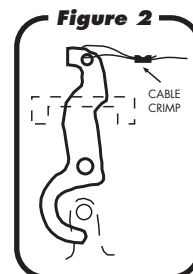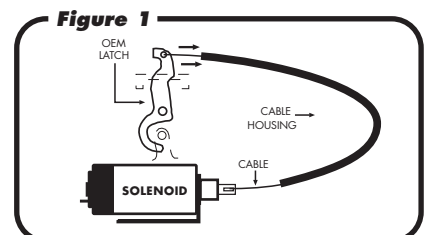**Only use a high-AMP approved relay. (RA1000, RA8000 Relay)**

➤ **Make sure that fail safe systems are in place and operational before use.**

➤ **MAKE SURE TO INSTALL CIRCUIT PROTECTION AS RECOMMENDED.**

➤ **For optimal performance make sure to leave slack in the cable. Do not make the cable too tight! (3/8" to 1/2" deflection recommended)**

INSTALLATION GUIDE

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.

Figure 1

OEM LATCH
CABLE HOUSING
CABLE
SOLENOID

Figure 2

CABLE CRIMP

Figure 3

CABLE CRIMP
SOLENOID

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
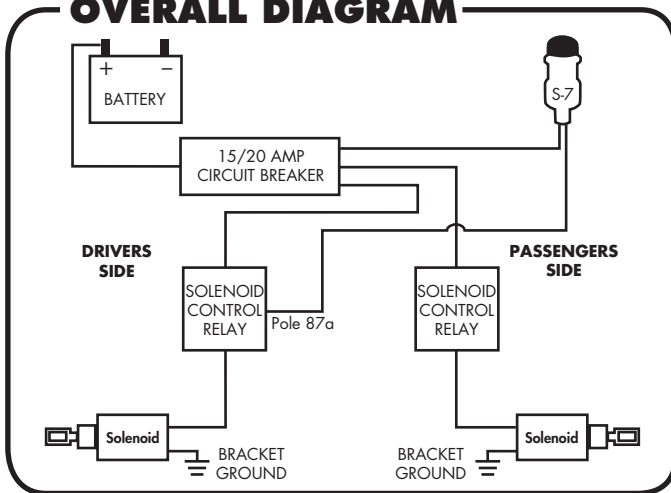Pole 86 – connects to the ignition or accessory wire
Pole 87 – not used
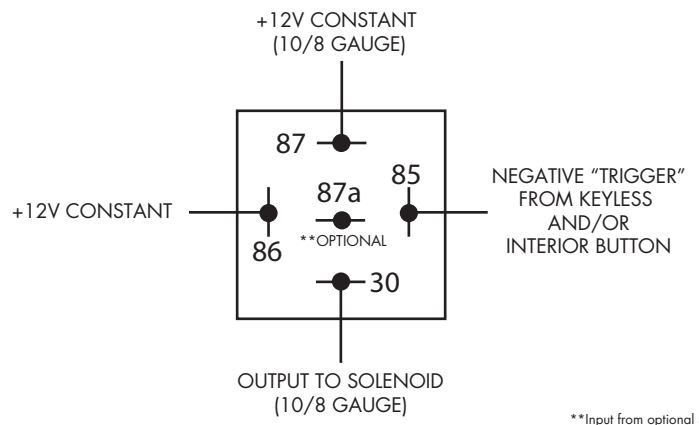Pole 87a – connects to 12 volts constant fused at 5 amps maximum
Pole 30 – 16 gauge wiring to pole 86 of each relay (solenoid control relays)

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

BATTERY
+ –
S-7
15/20 AMP CIRCUIT BREAKER
DRIVERS SIDE
PASSENGERS SIDE
SOLENOID CONTROL RELAY
Pole 87a
SOLENOID CONTROL RELAY
Solenoid
Solenoid
BRACKET GROUND
BRACKET GROUND

SOLENOID CONTROL RELAY

+12V CONSTANT (10/8 GAUGE)
87
87a **OPTIONAL
85
86
30
+12V CONSTANT
NEGATIVE "TRIGGER" FROM KEYLESS AND/OR INTERIOR BUTTON
OUTPUT TO SOLENOID (10/8 GAUGE)
**Input from optional S-7

**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

+12V CONSTANT (FUSED AT 5 AMPS)
IGNITION/SWITCHED POWER
OUTPUT TO POLE 86 OF THE DOOR CONTROL SOLENOID RELAYS
87
87a
85
86
30
GROUND
SAFETY RELAY