

Watson's

**StreetWorks** 860.859.0513

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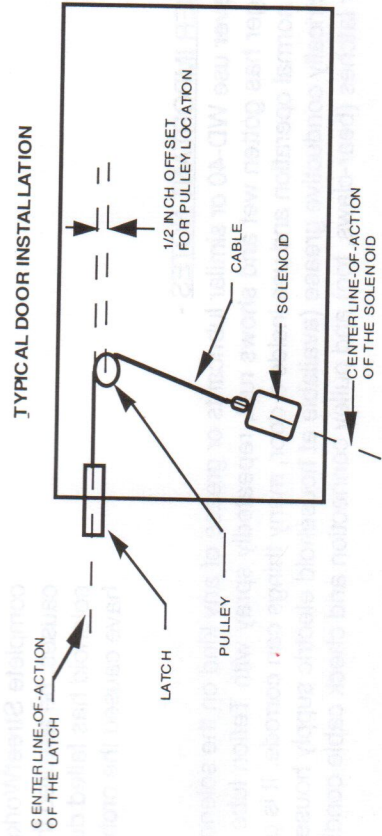
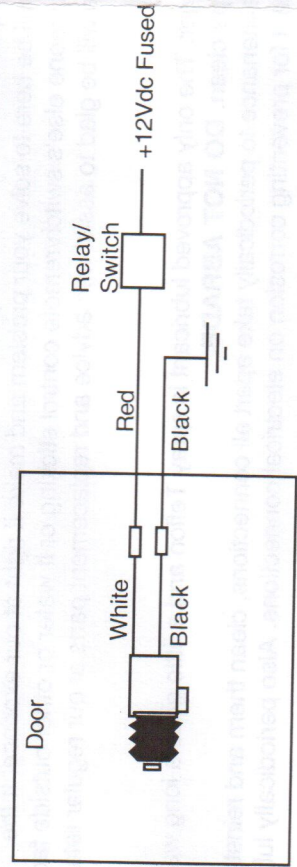
DRIVE IT !



**Please read and understand all installation instructions before beginning.** Planning and preparation will make the actual installation process easy and quick.

**DISCONNECT ELECTRICAL POWER AT THE BATTERY BEFORE DOING ANY WIRING !**

- LAYOUT** the best routing for the cable and location for the solenoid on solid sheet metal, away from window or other interference. The cable must pull straight in line with the operation of the latch and the solenoid. The pulley allows the cable to change directions so that the solenoid can be located in a convenient place.
- DETERMINE** the best way to attach the cable to the latch. For new, aftermarket latches, simply loop the cable through the latch lever hole and secure the cable to itself using the aluminum compression sleeve provided. Original latches frequently have a "T" rivet that slides in a slotted, flat metal band that connects to the inside handle. Remove the band, grind off the "T" and drill a 3/16" hole exactly in its place. Mark a straight line on the inside of the door to represent the centerline-of-action for the latch (through the center of the latch and the hole that you just drilled). Loop one end of the cable and secure with a crimp compression sleeve provided. The loop should be about the size of a nickel. Install a #10-32 screw through the band then the hole, add one flat washer, the cable end loop, a second flat washer and nylon lock nut and tighten only enough to still allow the band to slide under the head of the screw. This will allow the use of the inside door handles. If going all electric, eliminate the band and tighten the screw. StreetWorks **strongly recommends** having a mechanical way to work the latch from inside to get out in case of emergency.
- THE PULLEY** location is determined by the latch centerline-of-action. Drill a 3/16" hole, 1/2" off that line-of-action and at least 3 inches away from the cable end and mount the pulley with screw, cable, washer(s) and nut. If possible, the pulley should be able to rotate freely.
- THE SOLENOID** can be attached to the other end of the cable by looping the cable through the solenoid "eye" and securing with the adjustable screw/hex nut. This will help to assure that the final location keeps the cable and solenoid in line. Mark for the bracket holes. Attach the red power lead wire to the white solenoid wire and the black ground lead wire to the black solenoid wire with the butt connectors provided. Drill 1/4" holes and mount the solenoid. **IMPORTANT #1** - Bolting to the door is **NOT SUFFICIENT** ground. Use the wire provided to run a ground wire back inside the car to a good chassis ground. **IMPORTANT #2** - Adjust the cable tension by measuring the travel needed to open your door, then add about 1/8" for slack and position so that the solenoid plunger is that far from being fully bottomed. Test the operation by applying 12 vdc to the solenoid. Good lubrication on the latch and pulley help to assure the best operation. If there are problems, assure "straight line" action on the latch and solenoid and that the pulley is free to rotate and that the cable is **not too tight**. If you expect your door seals to leak water excessively, protect the solenoid with plastic.
- WIRE** per the diagram below. **IMPORTANT:** The switch ( buttons, remotes, etc.) you use to activate the solenoids **must** be capable of switching 30 amps minimum.



**SOLENOID KIT FOR SHAVED DOOR HANDLES**  
#L22N (Dual) \$150.00  
#L22NS (Single) \$80.00

**STREETWORKS** solenoids can convert your doors or trunk to electrical operation when used with switches such as our MagTech #L20 or Button Kit #L65 or Remote Controls L-GM2Z, L-TR3Z, or L-LK7Z.

□ Powerful (40 lbs ), fast acting solenoids to open your door or trunk latches. Brackets, connectors, cable, wire, hardware and instructions included. **NOTE:** Be sure the switch you use to activate the solenoids is capable of switching **30 amps minimum**.