60LB. SHAVED DOOR HANDLE KIT

The Instructions provided herein are meant to be a general guide for installing the Electric-Life Shaved door handle kit. It must be remembered that each and every application is different and may require additional modifications to complete the installation. As with any lock installation patience is the key.

The first thing you need is a clean work area, you should allow yourself enough room to be able to work comfortably with the doors open. The next thing you need to do is to come up with a plan, which should include solenoid placement, keyless entry module placement, and the placement of the harness relay pack. You should also consider how you plan to run the harness from the dash to the solenoids. Finally you need to make sure that you have the right tools to do the job. We recommend the following:

TOOLS:
* Screwdrivers both flat and phillips
* Pliers and vice grips
* Combination open and box end wrenches
* 3/8" ratchet and socket set
* Wire crimping pliers
* Electric Drill
* Various sized drill bits starting at 1/8"

1. Begin by first removing the door and window handles. If the the door is equipped with an arm rest, you will have to remove the arm rest prior to removing the door panel. Carefully pry the the trim panel from the door using a screwdriver and cover the tip with masking tape to prevent scratching the interior trim panel.

2. With the trim panel removed, reinstall the door handle and operate the lock. Follow the linkage and check to see how it is connected. The linkage will be connected to the lock release lever, and that is the lever that you we will want to connect to the solenoid.
3. In the above captioned drawings, are shown 2 door locks with release levers mounted in different positions. Fig. 1 shows the lock releasing when the lever is pulled downward in a vertical motion. Fig. 2 shows the lock releasing when the lever is pulled horizontally in a lateral motion. These are typical of how most door locks operate. In Fig. 1 you can use a small pulley assembly and mount the solenoid in the bottom of the door. These examples give you an idea of the flexibility of the Electric-Life Kit. (Note: pulleys are not supplied in the kit) The Electric-Life 50lb solenoid will pull any lock using pulley's.

4. Determining the mounting position, this is critical to smooth operation
Prior to mounting the solenoids check to make sure that there is adequate clearence to mount the solenoid bracket (Note:the bracket is larger than the solenoid). Operate the window fully and check for interference with solenoid or bracket.

5. Carefully check cable for interference with any other moving parts. Suggestion, tie a piece of heavy string between the solenoid and the lock release lever. Run the window up and down checking to make sure that there is not interference.

6. After carefully checking all of the above for proper clearence, using the bracket as a template. Mark and drill the 4 mounting holes using a 1/4" drill bit to make the holes. Install the bracket using 4 phillips head bolts supplied in the kit. Attach the solenoid to the bracket using the 2 small screws supplied with the solenoid

7. Slide the crimp sleeve over one end of the cable, thread through the solenoid eye and back into crimp sleeve making a loop. Use a heavy pliers crimp the sleeve, make sure that the wire is held in the sleeve snugly.
GENERAL INSTALLATION INSTRUCTIONS FOR
60 lb SHAVED DOOR HANDLE KIT

8. Slide the other sleeve over the opposite end of the cable, and run the cable through door lock release lever. Now run the cable back through the crimp sleeve pulling the cable tight. Now crimp that sleeve making sure that it's tight.

9. Test the solenoid using a jumper wire to the single spade terminal on the back of the solenoid. The solenoid should pull the cable and release the lock. The solenoid is grounded through the bracket, make sure that the bracket is securely attached to the door or frame. Note: If you are installing this kit in a fiberglass door, run a separate ground from the battery.

10. If everything works well, run the window up and down a couple of times to insure that there is no interference, leave the window rolled down! It is now time to connect up the rest of the system.

11. Locate a spot underneath the dash where you have enough room to mount both the relay pack and the keyless entry module. It is always best if you can mount the units near the fuse box. As you can see the harness comes with plug and play connectors that connect directly into the keyless entry module.

12. Run the solenoid wires through the dash and into the kick panel. Look to see if your vehicle is equipped with some sort of wire conduit that connects the post with the door jam. If not you will have to drill holes and install some sort of pass through conduit. Electric-Life offers a number of solutions to this problem, and you can go to our web site at www.electric-life.com to see what those options are.

13. Once you have run the wires through the door, connect the leads as shown in the wiring diagram. Go back under the dash and connect the power leads according to the wiring diagram.

14. After all of the connections are made, take the remote transmitters and pop those locks!!!

NOTE: THE LOCK AND UNLOCK BUTTONS CONTROL THE DRIVER AND PASSENGER SOLENOIDS. LOCK WILL ACTIVATE DRIVER AND UNLOCK WILL ACTIVATE PASSENGER.

If your installing door poppers follow the instructions provided with the poppers.
60LB SHAVED HANDLE KIT WITH 99925 12 C HANNEL KEYLESS ENTRY

Channels 1-12: B
1: Pink
2: Red / White
3: Blue / White
4: Purple / White
5: White
6: Brown
7: Gray
8: Green
9: Blue
10: Gray / White
11: Orange
12: Purple

Power Leads: A
Red - Battery (+)
Black - Chassis Ground (-)
Yellow - Ignition On (+)

Channel Program Switches

Hook to Positive (+)
To Ground Output Channel From Keyless Entry
To Ground Output Channel From Keyless Entry

DRIVERS DOOR

PASSENGER DOOR
99500 "THRUSTER" INSTALLATION INSTRUCTIONS

You've just purchased the newest and most innovative door popper ever created. No longer will you have to drill into the door post and ruin that expensive paint job. Electric-Life's new "DOOR THRUSTER" fig.1 is so quick and simple to install, that you have to wonder why no one thought of it before. Follow along as we show you how fast and easy it is to install the 'THRUSTER'.

To begin the installation open one of the front doors and locate a good flat surface to mount the THRUSTER (Fig.1).

We have found that it is best if you can mount the THRUSTER so that it is pushing against the door (see FIG. 2). The THRUSTER can be mounted anywhere along the front face of the door post. Try and locate an area with a flat mounting surface on the door for the rub plate and a flat surface on the post for the THRUSTER. If you are unable to find a good mounting position on the front of the post, you can mount the THRUSTER right on the face of the door post above or below the striker bolt (see fig. 2). Again, look for an area that is relatively flat on both the door and the post. Either position would be fine. Placement really will depend on where you can find a flat surface for mounting, and what looks best.

Once you have a mounting location, clean and prep the area using a mild cleaning solution. It is important that the mounting area be clean and dry for the "THRUSTER" to adhere properly (both the THRUSTER and rub plate are supplied with an adhesive back). You will also have to locate a mounting area for the rub plate, which will be attached on the door or on the door jam depending on where the THRUSTER gets mounted. To get the exact mounting location for the rub plate, we suggest placing a few pieces of masking tape approximately where the plates should be attached. Rub a little grease or powder on the tape and close the door (Fig. 3).
After applying grease or powder to the tape (powder is easier to clean up) close and then open the door. The THRUSTER will have made an impression in the grease/powder (FIG. 3).

If you will be mounting the thruster along the side face remove the backing from the "THRUSTER" and attach it to the post as in FIG. 2. The "THRUSTER" is shaped like a "V" with the widest portion pointing towards the interior of the vehicle. Once you have the "THRUSTER" in place, you will need to locate the mounting position for the rub plate (FIG. 4). A simple way is to place a piece of masking tape onto the door in the approximate area where the plate will be mounted. Apply some grease and or powder to the taped area and close the door. The "THRUSTER" will leave a mark where it meets with the jam. Mark the area and cut the imprinted area out with a sharp blade or knife. Now position the rub plate so that the end of the plate is mounted slightly past the mark about an 1/8". Remove the backing and attach the rub plate. It is very important that the rub plate be mounted properly to prevent any paint scratches.

In FIG. 5 the THRUSTER is shown mounted in various positions on the outer face of the door post. This graphic illustrates how versatile the THRUSTER is, and how simple it is to mount. The THRUSTER can basically be attached anywhere along the outer face of the post. That's all there is to installing the THRUSTER...