

## GEAR SHIFT LOCK INSTALLATION INSTRUCTIONS



Illustration above shows a typical installation for a console mounted automatic transmission. The Secure Gear Shift Lock can be used with both automatic and standard transmission vehicles, with or without a center console. Please note: the instructions detailed within this document are not specific to any one vehicle. These instructions are to be used as a general guideline in assisting you with your installation. **In addition: Jack Simonian Enterprises assumes no responsibility for damage or injury that may occur during the installation or use of this product.**

## **Preparation for installation**

When choosing a location to mount the Secure Gear Shift Lock, make sure that the mounting bracket does not:

- Interfere with the movement of the transmission shift lever or any other accessory.
- Interfere with the movement of the seat adjustment

Choose a location where the mounting bracket will be fairly easy to access and install.

The following items are included with the purchase of the Secure Gear Shift Lock:

- 1 --- Mounting Bracket
- 3 --- Carriage Bolts
- 3 --- Lock Washers
- 1 --- Round Washer
- 2 --- Special washers (works with Snap off nuts)
- 1 --- 10mm Nut
- 2 --- Snap-off Nuts
- 2 x 5x10mm screws (used to secure lock body to the bracket)

Make sure that before you begin, you have the correct tools for the vehicle for which you will be doing the installation. The following will assist in the installation of the Secure Gear Shift Lock:

- Electric Drill (for securing the mounting bracket to the vehicle).
- Drill bits (10-11mm).
- Hacksaw with metal cutting blade to trim mounting bracket (if trimming is required)
- Razor blade/knife to trim carpet.
- Open-end wrenches and sockets.
- Jack and Jack Stands to raise and secure vehicle (if installation requires access beneath the vehicle).
- Anti-corrosion spray (to keep bolts from rusting)

## **Installation**

**Step 1:** Sit in drivers seat and place transmission shift lever into the appropriate position. Depending on the type of vehicle this would be PARK for automatics or usually REVERSE for manuals. Note: if a remote starter is used then the shift indicator should be placed in the appropriate gear as recommended by the manufacturer.

**Step 2:** Attach the lock housing to the bracket with the 2 supplied screws.

**Step 3:** Position the shackle around the transmission shifter then place the lock housing into position. The shackle should now be installed around the transmission shifter. The bracket should be mounted such that the lock is as low as possible to the base of the transmission shifter. **Make sure there will be no obstructions to the movement of the transmission shifter or any other accessory. (See illustration 1)**



**Illustration 1**

**Step 4:** Determine the distance for the first bend. (See illustration1). Remember, the bracket should follow the contour of the console. If the vehicle does not have a console, the installation becomes a bit simpler as the bracket can be bent to any angle that will fit your application. Again, make sure the bracket does not interfere with the handbrake, seat movement, 4-wheel drive shifter (if equipped) or any other accessory.

**Step 5:** Once you are satisfied with the location of the lock and bracket, mark the location of the first bend on the bracket. Specialized bending equipment is required for this, however we can make the bend per your specifications. In most cases this will be a 90-degree bend. You can use a cardboard template to mark the location and angle of installation. Give us these measurements and we will custom bend the bracket for you. Please note that measurements must be exact!! We will confirm with you prior to the bending of the bracket. (See **illustration 2**)



**Illustration 2**

**Step 6:** After the bracket has been bent to your specification, it is now time to begin installation. Depending on your vehicle, and the location you have chosen to install the bracket, you may have to remove the gear knob, boot, or the console. Depending on the position of the mounting bracket you may be required to reposition seats, and carpets to facilitate an easier installation. (See **Illustration 3**)



**Illustration 3**

**Step 7:** Hold the lock and bracket assembly in position and mark the location of the first hole that you will need to drill. Move the bracket out of the way and drill the first hole. ***Make sure there are no wires or components in the way or behind the body of the vehicle!!*** After the first hole is drilled, place the carriage bolt in the mounting bracket and hand tighten the nut. You will now mark and drill the location of the second hole. When complete, place the carriage bolt in the mounting bracket and hand tighten the nut. Repeat the procedure for the third hole.

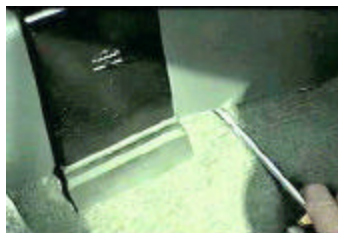
**Step 8:** After all holes have been drilled, test to make sure that the mounting bracket and lock assembly are in the correct position and that the lock does not interfere with the shifter movement or any other accessory. At this point, you can remove the carriage bolts and slip the rubber housing on the bracket. This housing will be used to help secure the carpet in place around the mounting bracket. (See **illustration 4**)



**Illustration 4**

**Step 9:** Reinstall the mounting bracket and slowly hand tighten all mounting nuts to the carriage bolts. Tighten each nut slowly and check to make sure that the mounting bracket does not move out of position. *Note: 2 of the mounting nuts are special break off nuts. When enough torque is applied, the head of the nut will snap off making the installation permanent. Once the snap off nut is in place, it will be very difficult to remove, so make sure the installation is correct prior to this step!!!* If desired, you can substitute standard hex nuts in place of the special break off nuts.

**Step 10:** After the bracket has been installed, the next step is to tuck the carpet back in place. This example used a typical console mounted automatic transmission. We tucked the carpet back under the console and under the rubber housing of the mounting bracket. Some trimming of the carpet may be required to conform around the bracket. Do this slowly!! Remember it is better to gradually trim the carpet so that you do not accidentally remove too much!!! (See **illustration 5**)



**Illustration 5**

Congratulations, Your installation is now complete!! **Illustration 6** below shows the Secure Gear Shift Lock installed and ready for use.

Entire installation should take approximately 2 to 3 hours depending on the vehicle. Remember to give yourself plenty of time and work carefully. The instructions detailed here are meant to serve as a general guideline. Due to the many different types of vehicle designs, it would be impossible to cover every installation scenario.



**Illustration 6**