

Instructions Created by an:



86-95 Suzuki Samurai Lock Set (Ignition, Front Doors RH, LH, Glove Box Door Lock, Back Door) (SKU# SIB-LS)

Installation Instructions

We invite you to consider replacing the [Steering Column Cover](#) as well, since it will have to be removed during the ignition switch installation.



CAUTION: Safety glasses should be worn at all times when working with vehicles and related tools and equipment.



FOR ADDITIONAL COPIES OF THESE AND OTHER INSTRUCTIONS GO TO:
www.lowrangeoffroad.com and click on the "INSTRUCTIONS" tab.

Suggested Tools:

- Phillips Screwdriver: #2
- Sockets: 10,17 mm
- Impact Drill with a 3/8 Drive Adapter
- Socket: Torx T40
- Steering Wheel Puller
- Socket: 9/16"
- Ratchet
- Torque Wrench
- Ball Peen Hammer
- Small Cold Chisel
- Stubby Standard Screwdriver
- Needle Nose Vice Grip Pliers
- Window Handle Removal Tool
- Angled Needle Nose Pliers
- Door Trim Tool
- Pick Tool

Replacing the Ignition Switch



Step 1

Disconnect the negative battery terminal connector using a 10mm socket.



Step 2

Remove the horn button. It snaps loose with moderate force.



Step 3

Place the steering wheel in the level (or straight) ahead position.



Step 4

Remove the steering wheel nut using a 17mm socket and impact drill.



Step 5

Remove the steering wheel with a steering wheel puller. If this tool is not available, the next step shows an alternate method.



Step 6

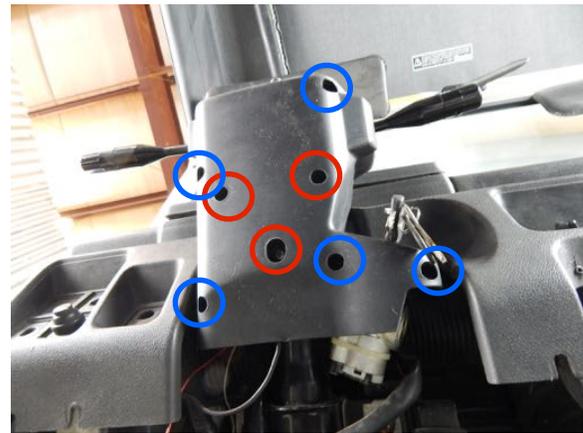
Replace the nut back on the steering shaft two or three turns. Strike the steering wheel simultaneously from below with the heel of the hands. Once loose remove the nut and the steering wheel.

Note: It may help to strike the steering wheel alternating blows using the right hand then the left.



Step 7

Remove the lower cover screws using a phillips screwdriver.



Step 8

The red circles show the location of machine threaded screws and the blue circles show the location of the sheet metal threaded screws.



Step 9

Remove the (2) steering column bolts using a T40 Torx® socket and an impact drill. After removing these bolts, let the steering column drop down as far as it will go.



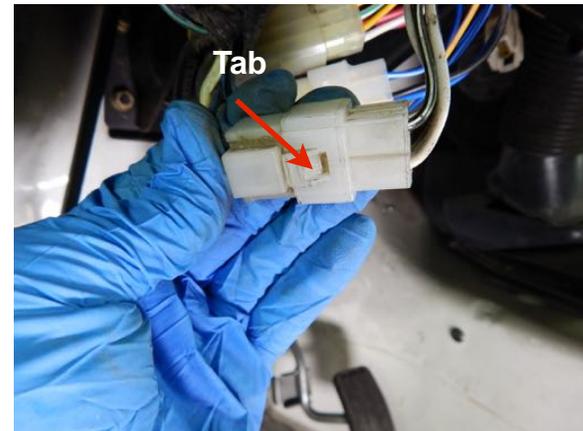
Tech Tip 9

This shows the location of both steering column bolts.



Step 10

Remove the upper steering column cover. It may be necessary to flex the cover in some places in order to free it.



Step 11

Disconnect this connector by depressing the tab and pulling the two connector halves apart.

Note: This connector is located under the dash near the steering column.



Step 12

Pull the wiring harness out from under the dash.



Step 13

Remove the (2) ignition switch mounting bolts using one of the approaches shown below.



Step 13 (Approach #1)

The first recommended approach is to turn the bolts by using needle nose vice grip pliers. Once loose, these bolts can usually be removed with your fingers.



Step 13 (Approach #2)

Another approach found to be successful is to drive the bolt in a counter clockwise direction using a chisel and a hammer. Once the bolt becomes loose it can usually be removed with your fingers.



Tech Tip 13

If the ignition switch has been replaced before, the screws will likely look like the one pictured here. If so, you could use one of the suggested approaches shown above, that of needle nose vice grip pliers or a hammer and chisel.



Step 13 (Continued)

This shows the ignition switch bolts being loosened using a hammer and chisel.



Step 14

Once the screws are removed, remove the ignition switch from the steering column.

Caution: Be sure the wiring harness is free to come out. Also, pay particular attention to the routing of the wiring harness so the new wiring harness can be routed in the exact same way.



Step 15

With the ignition switch in the “lock” position and the key removed, position the new ignition switch on the steering column. Be sure the lock pawl is positioned correctly in the steering shaft.





Step 16

Align the holes in the ignition switch with the holes in the steering column bracket.



Step 17

Install the (2) supplied "one way" screws.

Caution: These screws are easily tightened but are difficult to remove. Be sure the ignition switch is installed correctly before the final tightening of these screws. Check to see that the steering shaft locks and unlocks.



Step 18

Tighten both screws using a stubby standard screwdriver.



Step 19

Route the ignition wiring as it was before.



Step 20

Reconnect the wiring connector. Be sure it snaps into place and locks.



Step 21

Install the upper steering column cover. Again, you may need to flex the cover a bit to get it back in place and be careful not to break the hazard button.



Step 22

Replace the two steering column bolts and torque them to 8-12 Ft. Lbs.



Step 23

Install the lower steering column cover. Be sure the machine threaded screws go in holes circled in red and the sheet metal style screws in the remaining holes.



Step 24

Install the steering wheel. Be sure it is level and in the straight ahead position.



Step 25

Install the lock washer.



Step 26

Install the nut.



Step 27

Snug the nut using an impact drill. Then torque the nut to 18.5 to 28.5 Ft. Lbs.





Step 28

Replace the horn button and snap it into place.



Step 29

Reconnect the negative battery cable.



Step 30

Check the ignition switch for proper operation. See that the steering wheel locks and that the vehicle starts properly.

Replacing the Driver Side (Left) Door Lock



Step 31

Remove the door handle case by removing (1) phillips screw.



Step 32

Remove the window handle and trim (escutcheon).



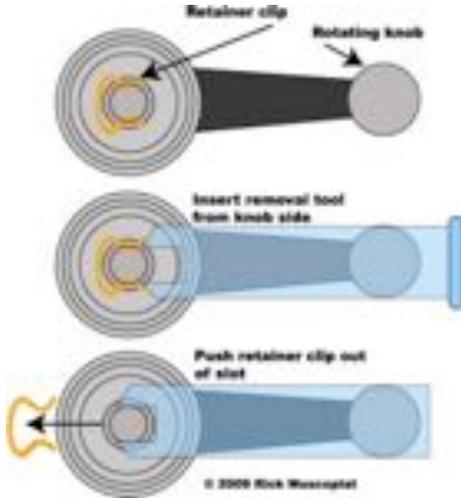
This picture shows the clip that needs to be removed in order to remove the window handle.



Removal Method A

Window handle removal with handle removal tool.

This Window Handle Removal tool can be purchased with a set of other door trim tools on our web site. Click [HERE](#) for more information.



Removal Method A Illustrated

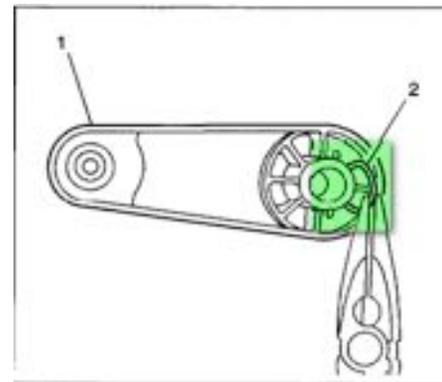


Removal Method B

Window handle removal with a rag.



Removal Method B Illustrated



Removal Method C

Window handle clip removal with pliers (or hook).

If needed a new Replacement Window Handle can be purchased on our website. Click [HERE](#) for more information.



Step 33

Remove the pull handle by removing (2) phillips screws.



Step 34

Remove the stopper band by removing (2) phillips screws.



Step 35

Separate the door panel from the door using a door trim tool.

A Door Trim Removal Tool similar to the one shown here can be purchased with a set of other upholstery tools on our web site. Click [HERE](#) for more information.



Tech Tip 35A

Pop the fasteners loose by placing the tool behind the panel and prying gently at each fastener location. (See Tech Tip C on the next page for fastener locations)





Tech Tip 35B

For a clearer view, we are showing proper tool positioning with the door panel removed.



Tech Tip 35C

This picture shows the location of each of the (11) clips that need to be popped loose.



Step 36

Remove the door panel and set it aside.



Step 37

Temporarily install the window handle (without the clip) and roll the window all the way up.





Step 38

Open the linkage clip using a pick tool.



Step 39

This shows the linkage clip and how to open it using a pick tool.



Tech Tip 39

This shows the pick tool we recommend using.



Step 40

Remove the door lock retainer using a standard screwdriver.





Step 41

Push the door lock partially out of the door and pull the linkage out of the clip using your finger.



Step 41 Continued

This shows the linkage properly disconnected.



Step 42

Remove the lock from the outside of the door.



Step 43

Remove any remaining door lock seal.



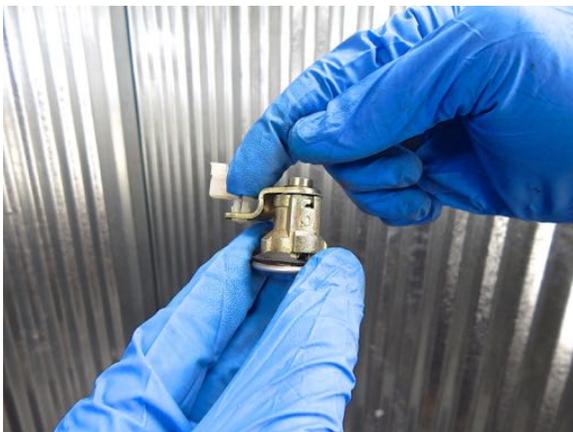
Step 44

Obtain the correct door lock for the side you are working with. In this case we are working on the LEFT (or Driver Side) door. The locks are marked with an "L" for Left (or Driver Side) and an "R" for Right (or Passenger Side) door.



Step 45

Install one of the supplied linkage clips by inserting it in the hole of the lock as shown.



Step 45 Continued

Press the linkage clip firmly into the hole with your finger.



Step 46

It may be necessary to press the clip into the hole using needle nose pliers. Be careful not to damage the clip, there are no extra clips supplied with this kit.



Step 47

Insert the key in the lock and place the key at mid travel.



Step 48

Insert the lock in the door from the outside.

Note: Make sure the lever of the lock is oriented toward the rear of the door.



Step 49

Hold the lock loosely in the door with one hand and



Step 49 Continues

. . . . Insert the linkage in the clip with your other hand.

Note: We are using a screwdriver here so you could see what we were doing. Plus we found it took a little more force than one finger could do.





Tech Tip 49

This shows the linkage properly installed.



Step 50

Lock the clip using angled needle nose pliers.



Tech Tip 50

This shows the linkage clip being locked using angled needle nose pliers.



Step 51

Install the lock retainer. This is started by pushing the retainer as far as possible with your finger. . . .





Step 51 Continued

. . . Then drive it the rest of the way using a ball peen hammer.

Note: Do not use a lot of force. Damage could result.



Step 52

This shows the retainer properly installed.



Step 53

Lock and unlock the lock to insure proper functionality.



Step 54

Align the trim clips in the panel with the trim holes in the door and press each one into place until it snaps.



Step 55

Install the door handle case by pulling the lever out, sliding the case behind and installing the screw.



Step 56

Install the pull handle and screws.



Step 57

Install the stopper band and screws.



Step 58

Install the window handle clip on the window handle.



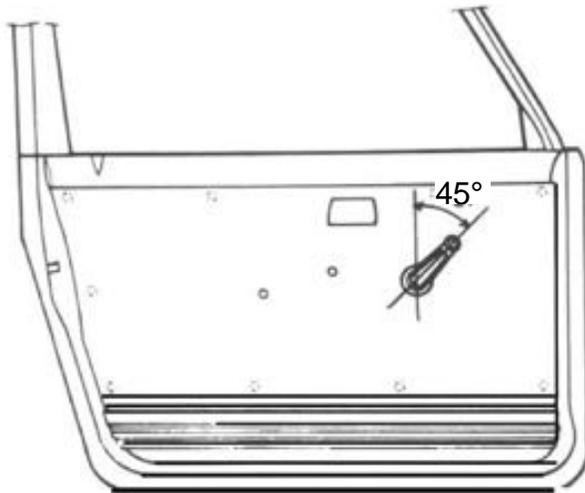
Tech Tip 58

Correct positioning of window handle clip.



Step 59

Install the window handle trim (escutcheon).



Tech Tip 59

When installing the handle it should be installed at 45° from true vertical, toward the front of the vehicle with the window rolled all the way up.



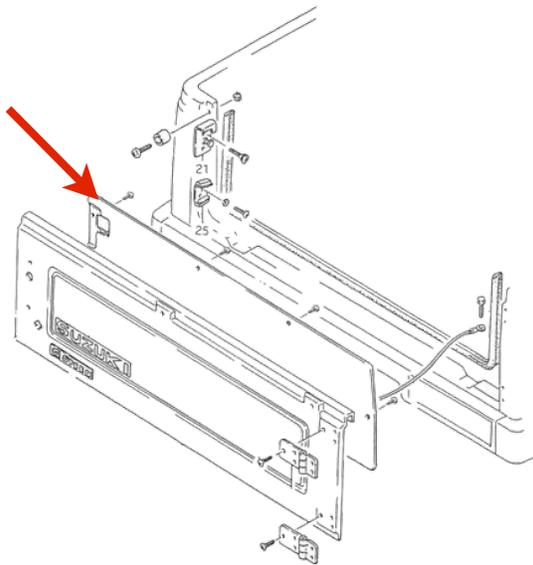
Step 60

Install the window handle.

Note: The window handle simply snaps into place with moderate pressure.

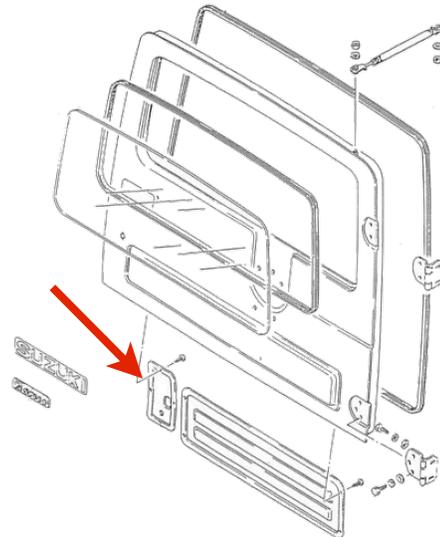
Repeat above procedures on the passenger side door lock.

Replacing the Tailgate Lock



Step 61A Convertible Models

Remove the tailgate interior panel using a phillips screwdriver.



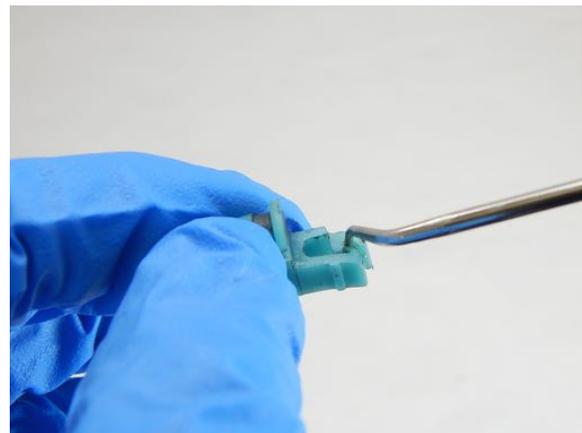
Step 61B Hard Top Models

Remove the small panel shown here using a phillips screwdriver.



Step 62

Open the linkage clip using a pic tool.



Tech Tip 62

This shows where to place the pick tool to open the clip.



Step 63

Pull the linkage out of the linkage clip.



Step 64

Remove the lock retainer using a standard screwdriver.



Step 65

Remove the lock from the outside of the door.



Step 66

Select a lock that has an "R" Stamped on it.

Note: This lock not only works for the rear door but it also works for the right (or passenger side) door.





Step 67

Install a supplied linkage clip in the new lock. It should snap into place with moderate pressure. If not, go on to the next step.



Step 68

It may be necessary to snap the clip into place using needle nose pliers.

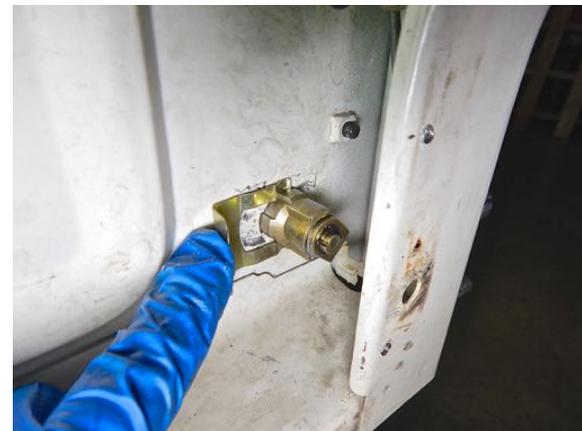
Caution: Be careful. These clips are easily broken and there are no extra clips supplied with this kit.



Step 69

Insert the lock in the hole in the door.

Note: Be sure the lock lever is oriented exactly as the old one was.



Step 70

Insert the supplied retainer as shown.





Step 71

It may be necessary to tap the retainer into place using a ball peen hammer.



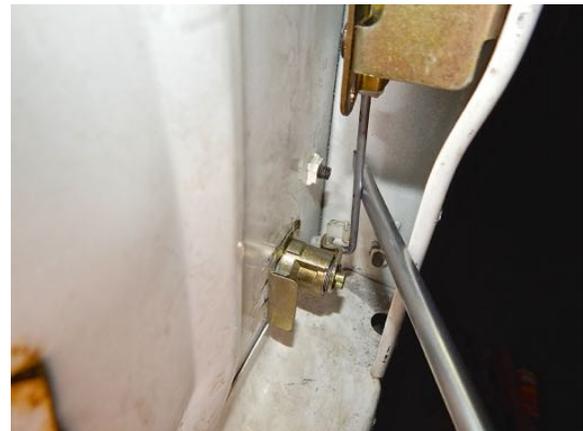
Step 71 Continued

This shows the lock and retainer installed properly.



Step 72

Position the linkage rod in the clip as shown.



Step 73

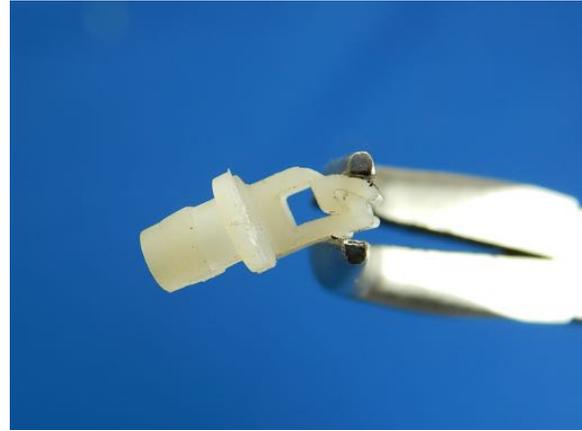
Snap the linkage into the clip using a standard screwdriver.





Step 74

Close the clip using angled needle nose pliers



Step 75

This shows how the clip is closed using angled needle nose pliers.



Step 76

Test the lock in the lock and unlock position to insure proper functionality.

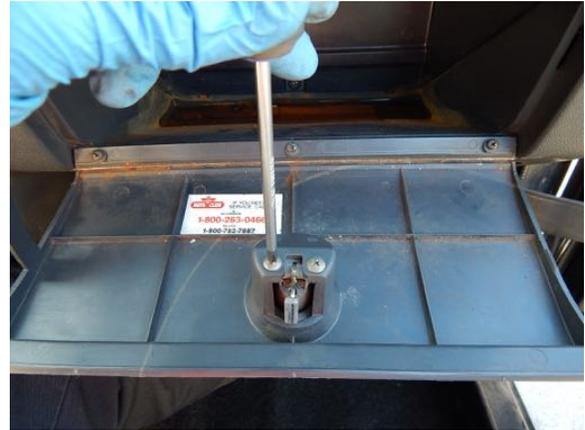


Replacing the Glove Compartment Lock



Step 77

Open the grove compartment.



Step 78

Remove the (2) mounting screws using a phillips screwdriver.



Step 79

Remove the old glove compartment lock.



Step 80

Position the supplied glove compartment lock and install the (2) mounting screws.



Step 81
Tighten the screws.



Step 82
Close the glove compartment door . . .



Step 83
. . . and be sure it opens as well. Adjust if needed.



Congratulations!

You have successfully installed a Samurai Lock Set. We hope these instructions have been helpful. If you have suggestions on how to make these instructions (or products) better, please email us at: sales@lowrangeoffroad.com

As always, If you experience any difficulty during the installation of this product please contact Low Range Off-Road Technical Support at 801-805-6644 M-F during regular store hours. Thank you for purchasing from Low Range Off-Road.



These instructions are designed as a general installation guide. Installation of many Low Range Off-Road products require specialized skills such as metal fabrication, welding and mechanical trouble shooting. If you have any questions or are unsure about how to proceed, please contact our shop at 801-805-6644 or seek help from a competent fabricator. Using fabrication tools such as welders, torches and grinders can cause serious bodily harm and death. Please operate equipment carefully and observe proper safety procedures.

Rock crawling and off-road driving are inherently dangerous activities. Some modifications will adversely affect the on-road handling characteristics of your vehicle. All products sold by Low Range Off-Road are sold for off road use only. Any other use or application is the responsibility of the purchaser and/or user. Some modifications and installation of certain aftermarket parts may under certain circumstances void your original dealer warranty. Modification of your vehicle may create dangerous conditions, which could cause roll-overs resulting in serious bodily injury or death. Buyers and users of these products hereby expressly assume all risks associated with any such modifications and use.

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