

## 86-95 Suzuki Samurai Nylatron T-Case “Swifter Sheet” (SKU# SDT-TCSN)



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



### Suggested Tools:

- Phillips Screwdriver
- Channel Lock Pliers (optional)



### Step 1

Place the transfer case shifter in NEUTRAL. Then remove the shift knob by twisting it in a counter-clockwise direction.

Note: If the knob is hard to loosen, it may be helpful to place a rag over the knob for protection and loosen it with channel lock pliers.



### Step 2

Remove the transfer case interior shifter boot by removing the (4) phillips screws.



### Step 3

Slide the boot off the top of the shift lever.



*This and some subsequent pictures show the transfer case removed from the vehicle for a clearer view.*

### Step 4

Remove the lower shifter boot with your fingers.





### Step 5

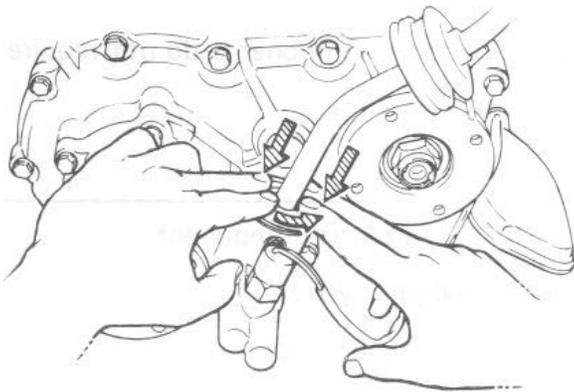
Slide the lower shifter boot off the top of the shifter handle.



### Step 6

Depressing the lever guide and turn 1/8th turn counterclockwise.

Note: We found this easier from under the vehicle but could be done from the top.



*Illustration showing lever guide removal procedure.*



### Step 7

Remove the lever from the transfer case by pulling upward.

Note: Inspect shifter ball. If grooves or burrs are found, remove them with emery cloth or fine grit sandpaper.



### Step 8

Remove the old shifter bushing with your finger or a hook.

Note: Some old bushings become brittle and break into pieces. If the bushing is found to be brittle, place a cloth in the shifter cavity to prevent pieces from falling into the transfer case.



### Step 9

Inspect the area and remove any dirt or debris that may have fallen inside the transfer case.



### Step 10

Align the grooves with the pins inside the shifter cavity.

For a video of this procedure click [HERE](#).



### Step 11

Invert the bushing upside-down as shown, aligning the grooves with the pins. Then push downward at the point indicated by the arrow.





## Step 12

Continue rotating the bushing, using the pins as pivot points, until the bushing drops into place.

*Bushing shown correctly positioned.*



**Common Wear Point**

**Shifter Guide**



## Step 13

Reinstall the shifter handle and align the grooves in the shifter guide with the pins inside the shifter cavity.

Note: Inspect the shifter guide for wear and replace if needed. New ones can be found on our web site.

## Step 14

Depress the lever guide and rotate clockwise until it locks.

Note: Move transfer case shifter handle into each position (4L, N, 2H, 4H) verifying correct installation.



### Step 15

Reinstall the lower boot.

Note: Final positioning of the boot may be easier from under the vehicle.

Note: If the boot is damaged or cracked we recommend replacing it. New ones can be found on our web site.



### Step 16

Reinstall the upper boot and install the 4 phillips screws.

Note: If the boot is damaged or cracked we recommend replacing it. New ones can be found on our web site.



### Step 17

Reinstall the shift knob.

Enjoy your new and improved transfer case operation; and thanks for letting us help you!



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 8am-5pm M S T .



These instructions are designed as a general installation guide. Installation of many Low Range Off-Road 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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