

86-95 Suzuki Samurai Nylatron Transmission Shifter Bushing (SKU# SDT-TMBN)

Installation Instructions



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



Suggested Tools:

- Channel Lock Pliers
- 10 mm Socket and Ratchet
- 12 mm Combination Wrench
- Wheel Bearing Grease
- Flat File (Fine Cut)



Step 1

Place the shifter in neutral.



Step 2

Remove the shifter knob by turning counter-clockwise.



Note

If the knob is difficult to remove by hand, it may be necessary to use channel-lock pliers and a rag for protection as shown. If the knob is worn or becomes damaged, a replacement [knob](#) can be purchased on our web site.



Step 3

Remove the transmission interior boot by removing (4) 10 mm bolts.





Step 4

Slide the transmission interior boot off the top of the shifter as shown.



Step 5

Remove the lower transmission shifter boot as shown.



Step 6

Slide the lower transmission shifter boot off the top of the shifter as shown.



Step 7

Remove the (3) 10 mm shifter hold down plate bolts.





Step 8

Remove the shifter hold down plate.



Step 9

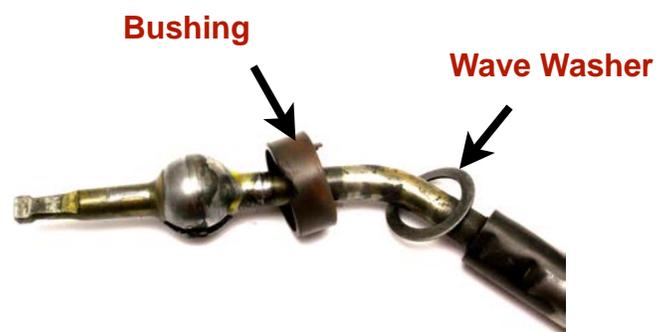
Remove the shifter by lifting straight up.



Step 10

Remove the 12 mm shifter-locating bolt.

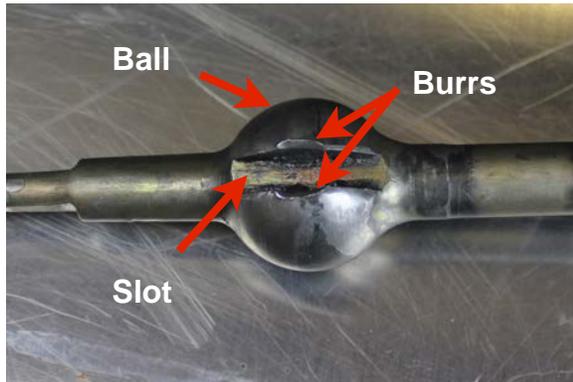
Note: If this bolt is broken or damaged it must be replaced. A replacement [bolt](#) can be purchased through our web site.



Step 11

Remove the old bushing and wave washer by sliding them off the top of the shift lever. These parts may be discarded. They will not be reused.





Step 12

Clean the shifter ball and slot. Inspect the slot for burrs and sharp edges.



Step 13

If burrs are found, remove them with a file, and then smooth the area with fine grit sandpaper or emery cloth.

Caution: Failure to complete this step will reduce the life of the new bushing.



Shifter ball with burrs removed.



Step 14

Apply a film of bearing grease to the new bushing as shown.



Step 15

Install the new bushing on the shifter by sliding it on the shifter lever from the top.



Step 16

Install the new O-ring as shown.



Step 17

Clean and apply grease to the shifter cavity where the shifter ball will be positioned.

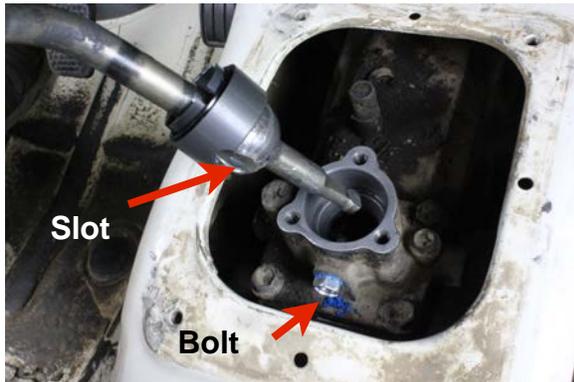


Step 18

Install the shifter-locating bolt.

Note: We installed a new bolt because the old one was broken. The blue powder is residue from locking compound that comes pre-applied on the new bolts.





Step 19

Install the shifter with the shifter ball slot aligned with the shifter-locating bolt.



Step 20

Insure that the shifter bushing and O- ring are positioned properly as shown above.



Step 21

Install the shifter hold down plate and bolts.



Step 22

Install the lower shifter boot as shown.

Note: If the lower shifter boot is damaged or cracked, we recommend replacing it. A new [lower shifter boot](#) can be purchased through our web site.





Step 23

Install the interior shifter boot and bolts.

Note: If the interior shifter boot is damaged or cracked we recommend replacing it. A new [interior shifter boot](#) can be purchased through our web site.



Step 24

Install the shifter knob by twisting clockwise.

Note: If the knob is damaged or cracked, a new [shifter knob](#) can be purchased our web site.

Now, enjoy your new and improved transmission shifter. 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 MST. 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 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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