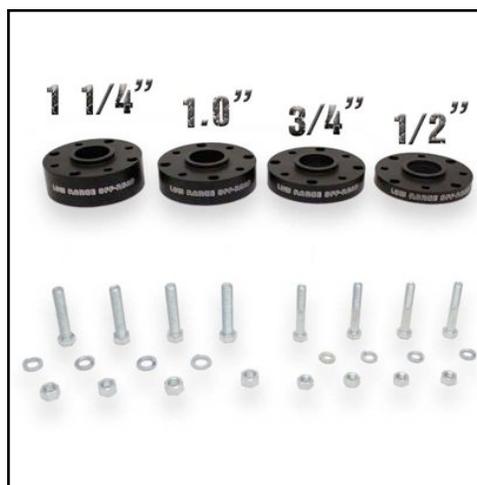


Suzuki Drive Line, Driveshaft, Propshaft Spacers [1 1/4", 1.0", 3/4", and 1/2" Lengths] (SKU# SDT-DS)

Installation Instructions



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:

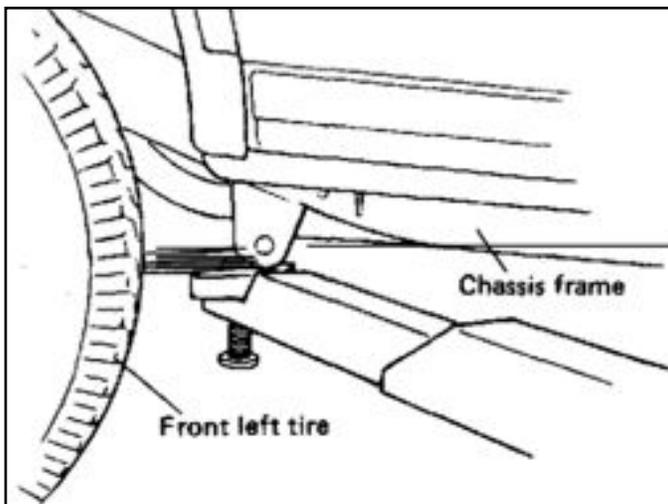
- Combination Wrenches:
 - 2-12mm
 - 2-14 mm
- Small Ball Peen Hammer
- White Permanent Marker
- Measuring Tape

Lifting and Supporting the Vehicle

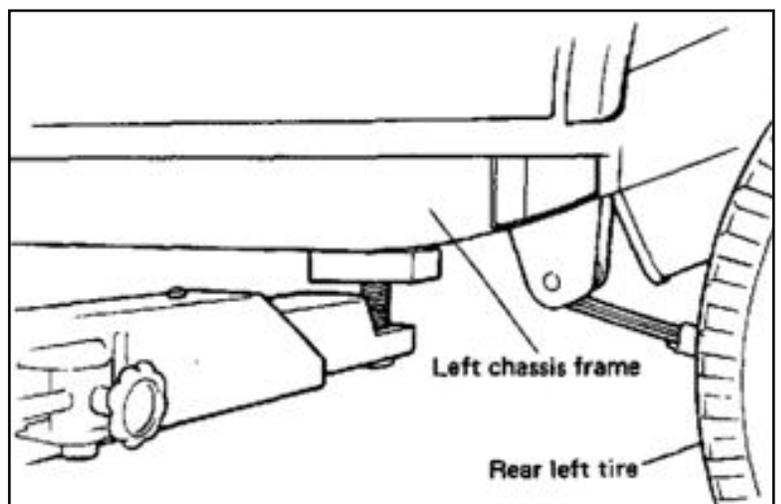


Lifting Option 1

Lift and support the vehicle on a twin post, frame contact, lift.



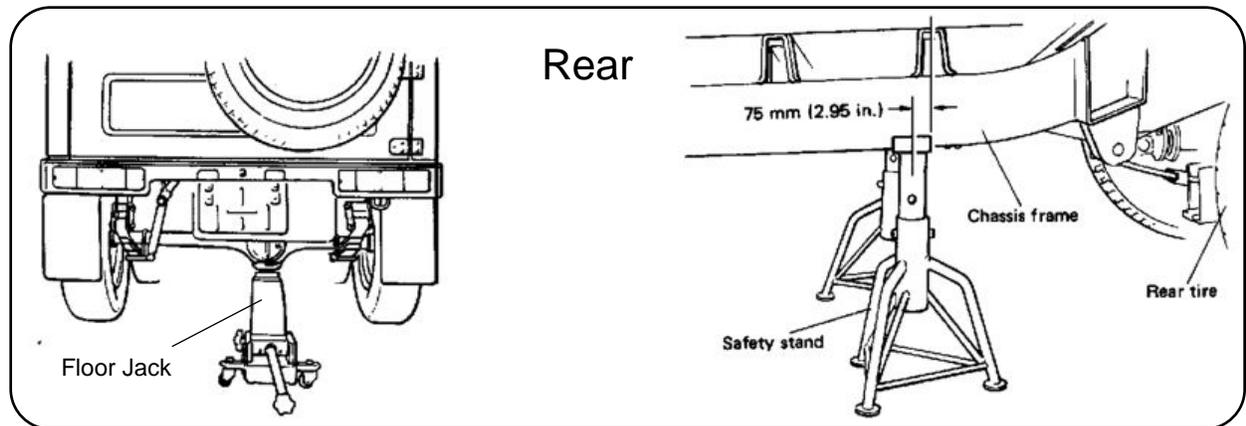
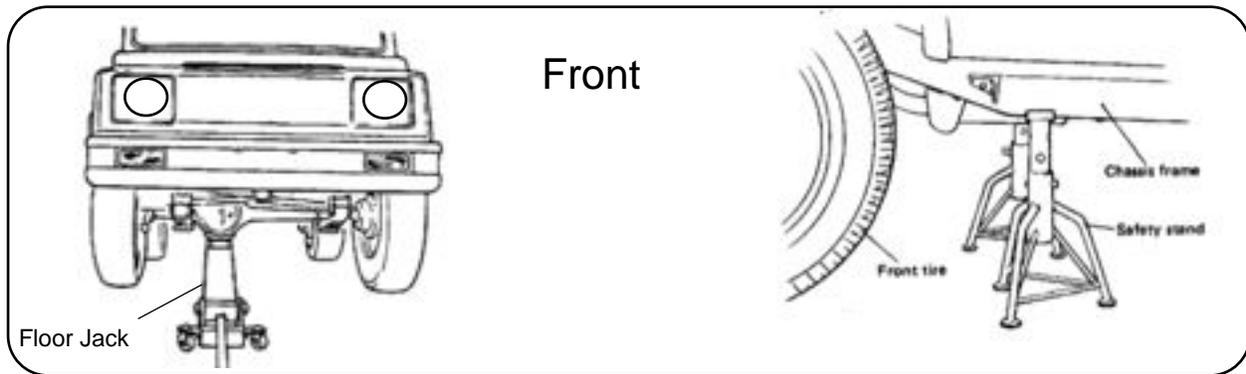
Front Positioning



Rear Positioning

Lifting Option 2

Lift the vehicle with a floor jack and support it on safety stands.



Lifting Option 3

This Job could easily be done with the wheels on the ground.



Tech Tip

When working on suspension, brakes or drive train parts it is a good idea to spray all fasteners with penetrating oil a day ahead. If not done a day ahead, an hour or even minutes before is helpful.

Determining Spacer Size

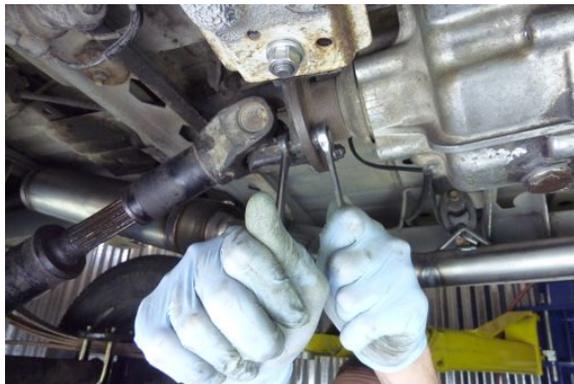


If spacer size has already been determined, **Skip to Step 5.**



Step 1

If you are installing a Low Range Off-Road Lift Kit, we supply the correct size drive shaft spacer for your application. If you are adding spacers to a rig that has been modified in any other way, you will need to determine the size spacer needed.



Step 3

If not previously done, disconnect the drive shaft from the transfer case.

Step 2

Determine what the slip yoke-to-spline relationship was before the vehicle was modified. This can usually be determined by inspecting the wear pattern on the splines.



Step 4

Hold the drive shaft slip yoke in the position it was before the vehicle was modified and measure the distance between the drive shaft end and the transfer case flange. Now subtract 1/2" * from this measurement. (Example: If you measured 1-1/2", the needed spacer size would be 1.0") Subtracting 1/2" allows for additional flex that is needed with most modified vehicles. If you do not subtract this 1/2", the drive shaft yoke can collapse completely (or "bottom-out") resulting in serious damage to the transfer case.

* The 1/2" specification is simply a rule-of-thumb. This dimension may vary from vehicle to vehicle.

Front Drive Shaft Spacer

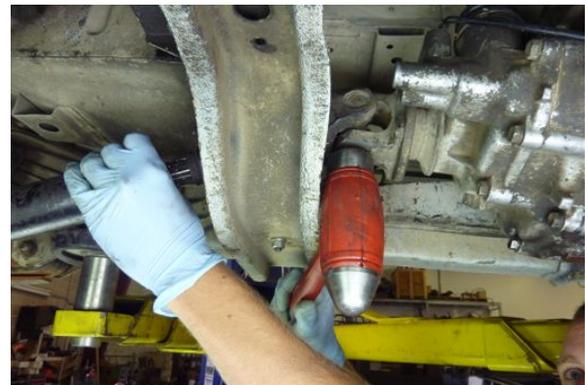


Tech Tip

Adding lift to your Suzuki usually over extends the slip yokes on the drive shafts. The easiest and most cost effective "fix" is adding a drive shaft spacer. Adding a spacer avoids the hassles of making a new drive shaft, which is not only difficult but expensive. The spacer is mounted between the drive shaft and Transfer case flange.

Step 5

Mark the drive shaft and the transfer case flange so these parts can be reassembled in the same relationship maintaining drive train balance.



Step 6

Disconnect the the drive shaft by removing the (4) bolts using 2-12 mm box end wrenches on early models and 2-14 mm box end wrenches on the late models.

Step 7

It may be necessary to tap the drive shaft with a hammer to break it loose.





Tech Tip

This spacer is designed to work with both early and late style flanges. The small holes are to accommodate the early models and the larger holes are for the late models.



Tech Tip

Larger bolts are for the late model Suzuki's and the smaller bolts are for the early models.



Step 8

Position the spacer between the flange and the drive line with the shoulder toward the transfer case.

Caution: Be sure to use the correct size holes for the bolts being used.



Step 9

Install the (4) supplied bolts, lock washers and nuts.

Note: Be sure to align the marks on the drive line and flange.





Step 10

Tighten the nuts 17.0 to 21.5 ft. lbs.



Step 11

Notice the slip yoke is compressed closer to its original position resulting in a stronger slip yoke.

Rear Drive Shaft Spacer



Step 8

Repeat **Steps 5 through 10** on the rear drive shaft.



Congratulations

You have installed the drive shaft spacers. We hope these instructions have been helpful. If you have further questions call our Tech Line at the number listed below.

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 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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