



PENTADAPTER 5 Pattern Suzuki to Toyota Drive Line Adapters SKU# SDT-TD

Installation Instructions



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



Suggested Tools:

- Drill Bit: (Supplied)
- Electric Hand Drill
- Combination Wrenches: (2) 12, 14 mm



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AND OTHER INSTRUCTIONS GO TO:**
www.lowrangeoffroad.com and click on the
"INSTRUCTIONS" tab.



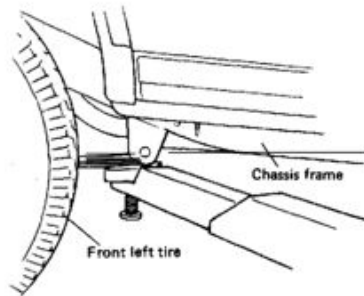
Lifting and Supporting the Vehicle



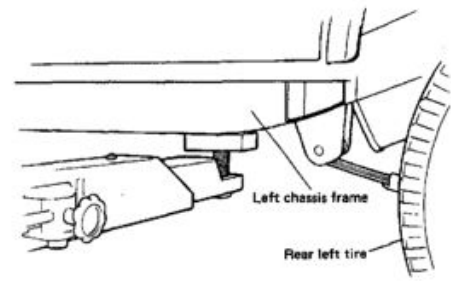
Lifting Option 1

Lift and support the vehicle on a twin post lift.

CAUTION: Always follow the safety guidelines associated with the lift you are using.



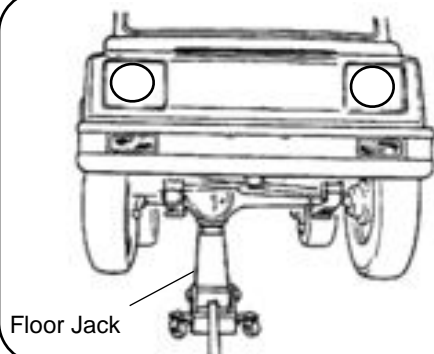
Front Support Location



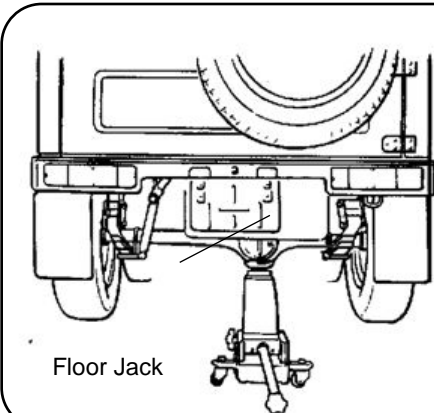
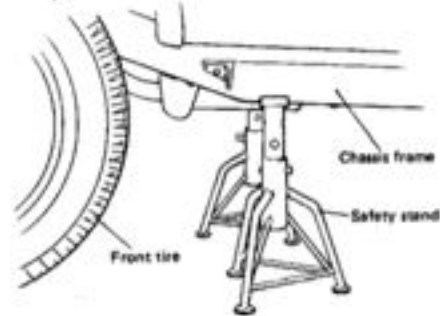
Rear Support Location

Lifting Option 2

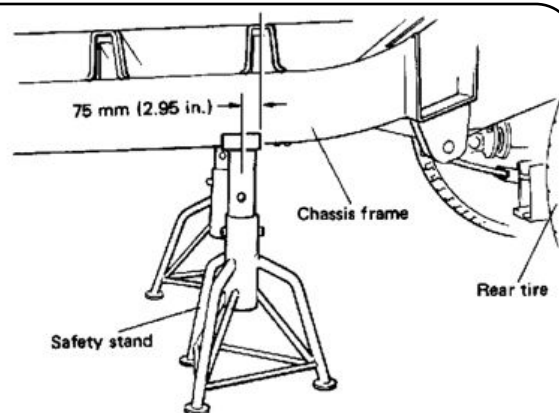
We used a twin post lift for these instructions, but this job could also be done with a floor jack and (4) safety stands.



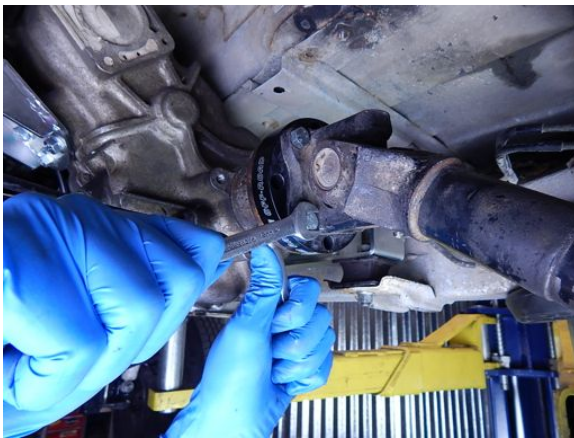
Front



Rear

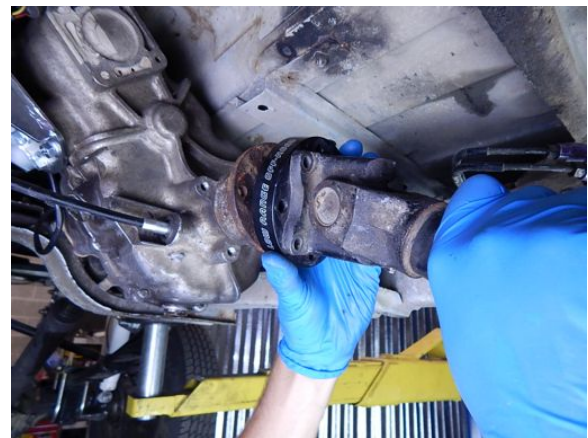


Important Notice: These instructions can be used in a wide range of applications. For our example, we are using a 1987 Suzuki Samurai. We are showing the installation of a Toyota drive line between the transfer case and the rear differential. The LROR Pentadapter will be installed on the output shaft of the transfer case. Although we do not show that here, the same procedure can be used to connect the other end of the Toyota drive line to the rear differential.



Step 1

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



Step 2

Remove the drive line from the flange.

Note: This vehicle had a .5 inch drive line spacer. Your vehicle may or may not have this type spacer.

Drilling (Enlarging) the Holes in the Flange.



Step 3

Apply some cutting lubricant to the (4) holes to be drilled.



Step 4

Enlarge the (4) flange holes using the supplied (Size Y) drill bit and an electric hand drill.

Caution: Do not drill through the flange into the transfer case.



Step 5

Position the pentadapter on the flange.



Step 6

Rotate the pentadapter until the four holes of the pentadapter align with the appropriate four holes of the flange.



Step 7

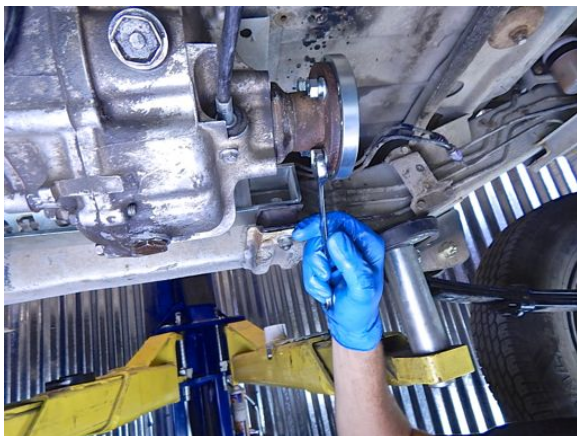
Apply a couple of drops of the supplied red Threadlocker® to the threads of the supplied M10X1.25X20mm bolt.

Note: Be sure to install a lock washer on the bolt.



Step 8

Install the bolt through the flange to the pentadapter. Simply tighten the bolt finger tight for now. Repeat Steps 7 and 8 on the other 3 bolts.



Step 9

Once all 4 bolts are started, tighten them in an increasingly tighter cross pattern until an estimated 35 ft. lbs. is reached.



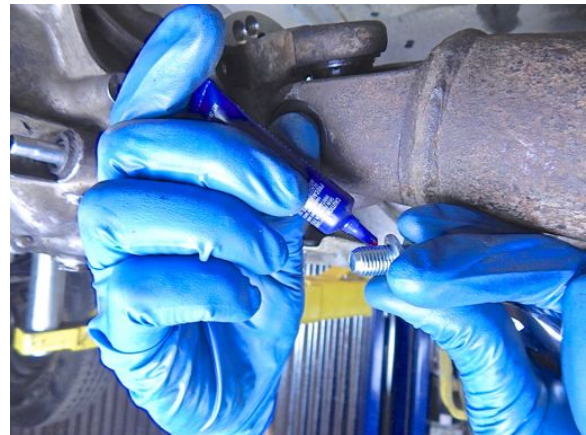
Tech Tip 9

The bolts should not extend beyond the surface of the pentadapter. If they do, you will need shorter bolts or you could add flat washers between the lock washer and the transfer case flange.



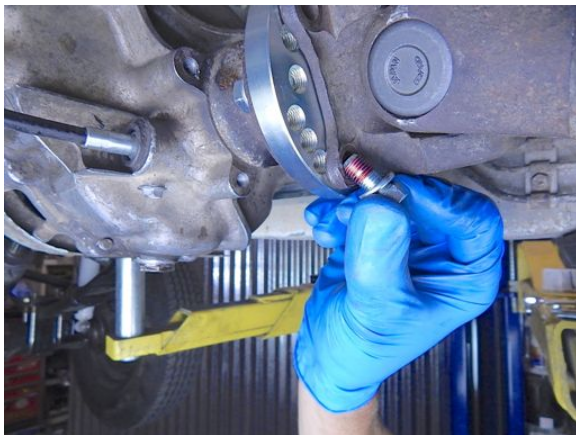
Step 10

Position the Toyota drive line as shown.



Step 11

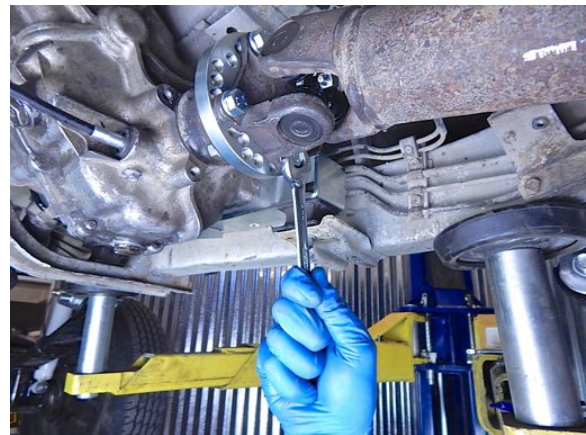
Install a lock washer on a supplied M10X1.25X20mm bolt and apply a couple of drops of the supplied red Threadlocker® to the threads of the bolt.



Step 12

Install the bolt hand tight. Then repeat Steps 11 and 12 on the other 3 bolts.

Note: It may take a bit of trial and error to figure out which holes to use in the pentadapter.



Step 13

Tighten all the bolts in a progressively tighter criss-cross pattern until an estimated 35 ft. lbs. is reached.

Notice:

If you are connecting the other end of the toyota drive line to a Toyota differential it should bolt right up. Unless it is a different bolt pattern, in which case you would need to use another Pentadapter.

If you are bolting the other end of the Toyota drive line to a Suzuki differential you will need to use a drive line spacer or a pentadapter. If you need assistance call our Tech Support line using the phone number shown below.



Final Note:

We hope these instructions have been helpful. If you have suggestions on how we could improve our instructions (or products) 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 7:30am-5:30pm 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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