159 North Maple St. Unit J, CORONA CA 92880
P. 951-737-9682 F. 951-737-9006
WWW.CHAOSFAB.COM

05+ Toyota Tacoma Rear Shock Hoop Install Notes
Part# 86460

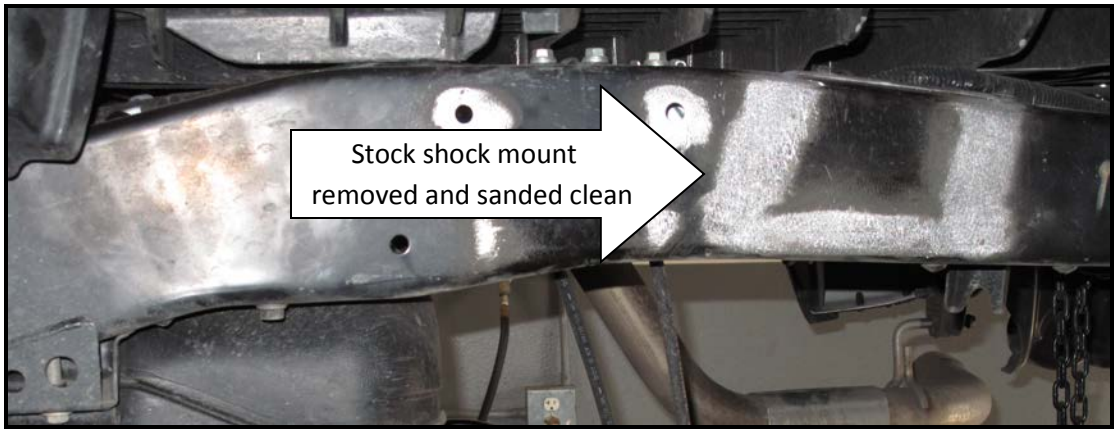
Note: This kit is designed to work with the Total Chaos mid travel rear kit (part# 86450) and 10”x2.5” shock **only**, and also requires a 1 ¼”-1 ½” wheel spacer. Installing this kit on a vehicle with anything other than the Total Chaos mid travel rear kit or anything other than a 10”x2.5” (Fox or King) shock may not work or may include additional steps and/or fabrication not included in these instructions.

Tools:

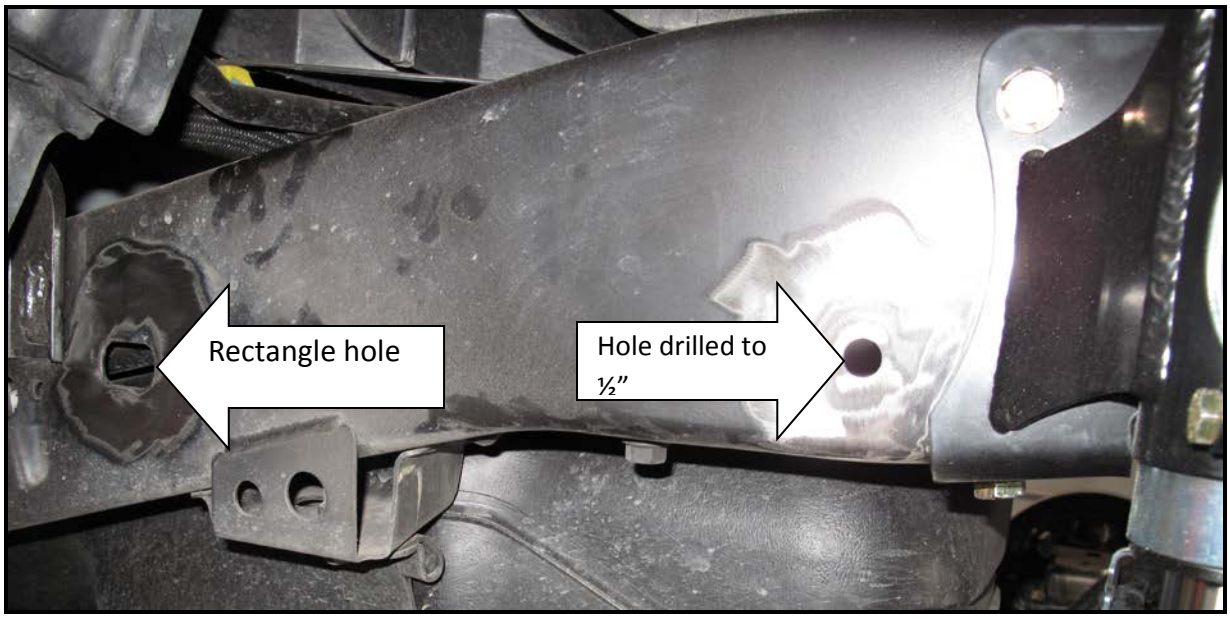
- ¾” socket
- ¾” wrench
- Hammer
- Disk cutter, plasma cutter, or torch
- Grinder
- Welder

1. Start by jacking the vehicle up, and placing jack stands under the frame, then remove the tires, stock rear shocks and fully droop out the vehicles rear suspension.

2. Using a cut off wheel, plasma cutter, or torch, you will need to cutoff the stock upper shock mounts from the frame, as well as the stock lower shock mounts from the axle. Once the mounts are cut off, sand smooth. (**note:** the photos provided show the stock rear bump stop removed, this is not necessary unless you are also installing the Total Chaos rear bump stop kit part# 48623)

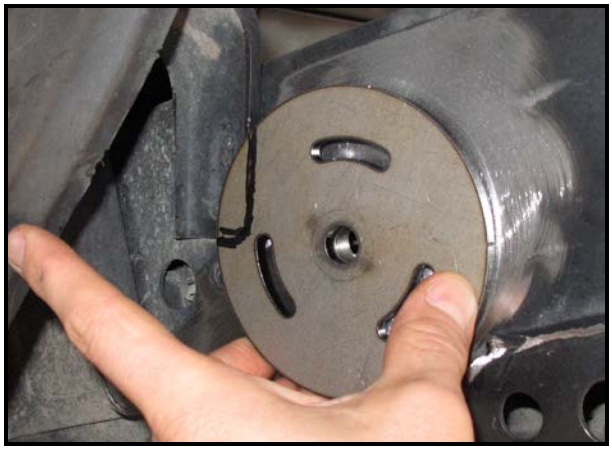


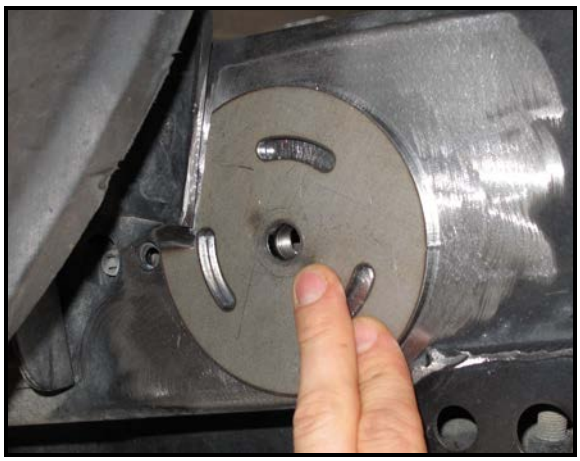
3. Next locate the front rectangle hole on the side of the frame, as well as the rear round hole just in front of the bump stop mount, and clean off the paint around both holes.



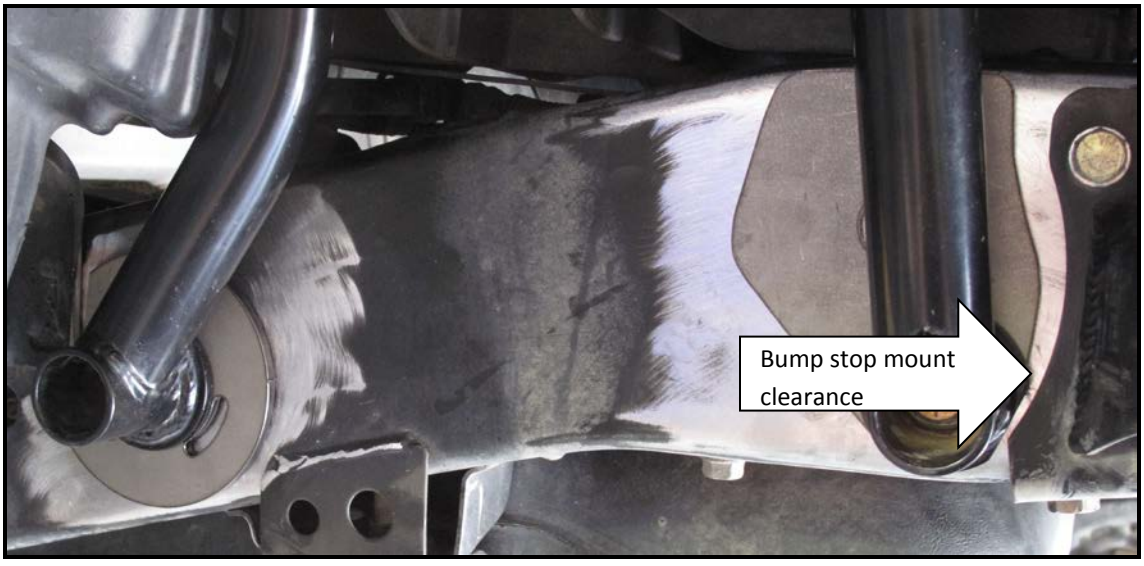
4. Using a drill bit or uni-bit, drill out the round hole ½”.

5. On some Tacoma models there is a gas filler neck bracket on the driver’s side of the frame that will get in the way of the front overlay plate. If this is the case, you will need to notch the overlay plate to fit around the bracket.



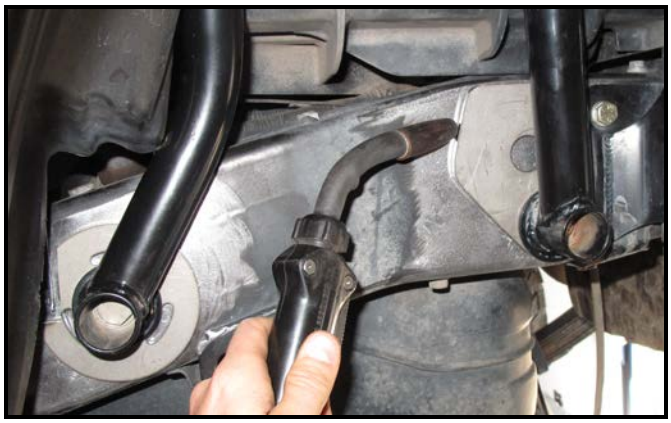


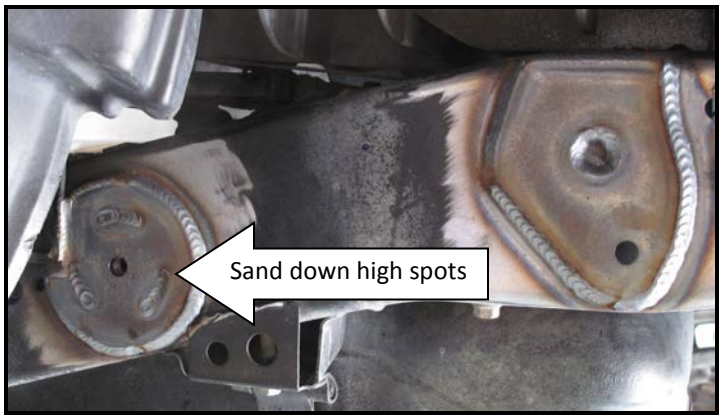
6. Using the supplied ½” x 1 ½” bolts, bolt the large circle overlay with nut to the front of the hoop, and put the bolt through the rear of the hoop and the large overlay without nut on the rear of the hoop making sure the overlay doesn’t interfere with the bump stop bracket.



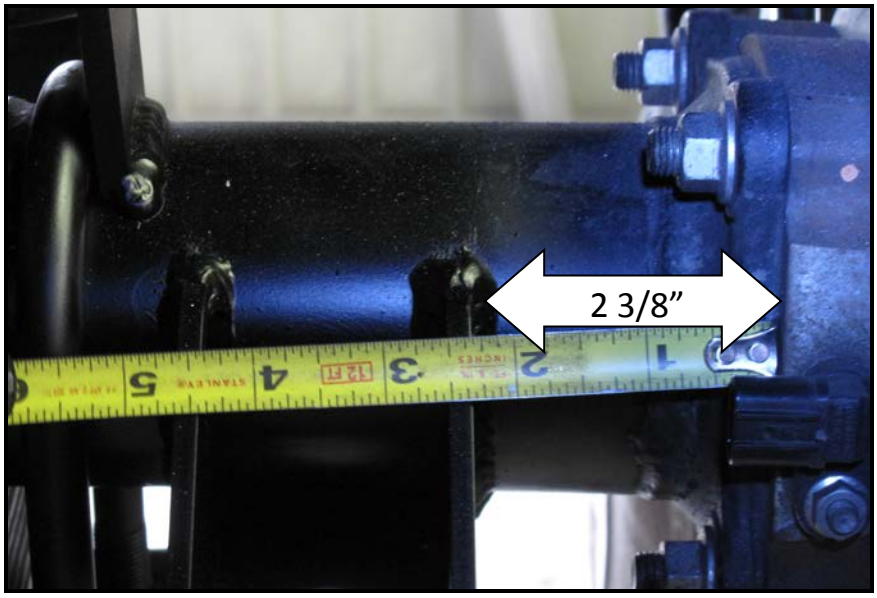
7. Hold the hoop up to the frame making sure that the flat non welded sides of the nut line up with the flats in the rectangle hole in the frame. The rear hoop hole will line up with the newly drilled ½" hole in the frame.

8. Hold the hoop flat against the frame making sure that the large overlay plates are sitting flat against the frame before tacking. Once tacked, weld the plates onto the frame. Once welded, sand down any high weld spots on the front plate from the slot welds so that the hoop will sit flat on the plate.



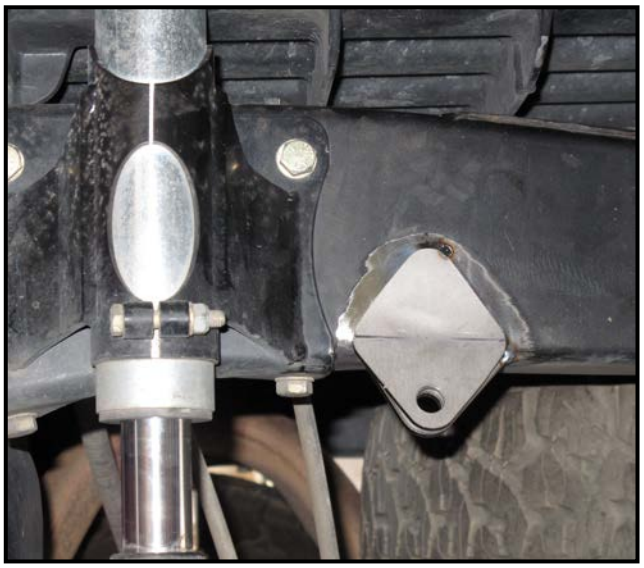


9. Once the frame is cool, bolt up the hoop using the supplied large frame backing plate on the back side of the frame on the rear hoop mount. Next hang the fully extended shock from the upper shock mount. Then bolt the supplied lower shock mount to the shock. Make sure the rear suspension is fully drooped, and swing the lower shock mount against the axle, making sure that the outer side of shock mount is 2 3/8" away from the axle flange, tack weld in place.



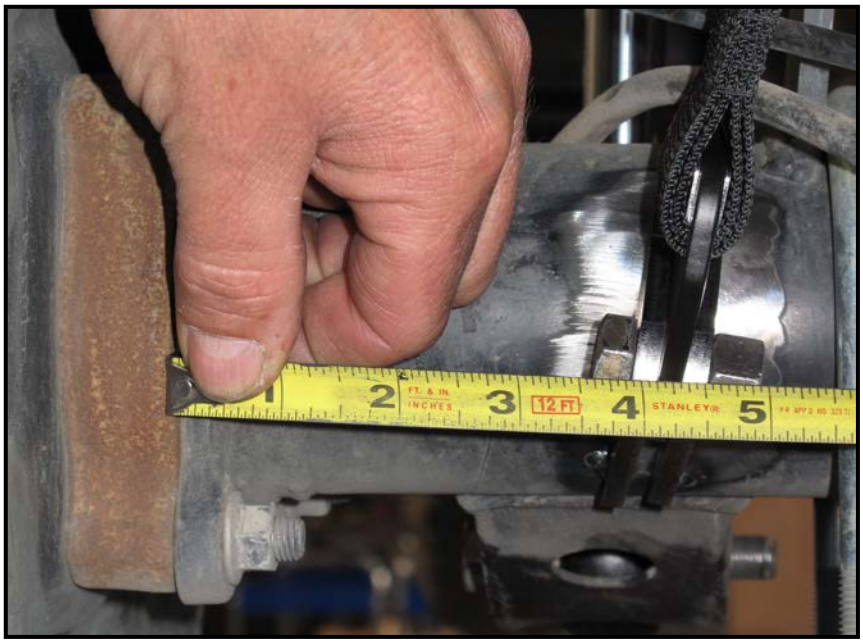
10. Once the shock mount is tacked into place, there should be 10” of shock shaft showing, and 9 ½” of travel between the axle and the rubber bump stop (or 10 1/2” between the axle and the hydraulic bump stop when the bump stop is collapsed).

11. It is now time to mount the limit straps using the provided tabs, bolts, and limit straps. First place the bolt through the supplied upper tabs and limit strap and hold it up to the frame. The bent tab is the outer tab and the short tab is the inner. The strap when pulled tight will be at an angle hence why the outer tab is bent. Tack the tabs to the frame about ½” behind the bump stop bracket (stock or hydraulic).



12. Next, with all the shock mounts securely tacked into place, jack up the suspension so that the shaft only shows 9 ½” of stroke. **Note:** letting the gas out of the shock will make this step easier.

13. With the shock shaft only showing 9 ½”, attach the supplied lower limit strap mounts to the strap and swing them over to the axle. Once again the strap will be pulling at an angle, so you will have to angle the tabs on the rear axle. The tabs should be roughly 4” in from the rear hub.



14. After tacking all limit strap tabs in place. Droop out the suspension and make sure that when fully extended, the limit strap is tight and the shock shows less than 10” of shaft.

15. When all the numbers are correct, weld the lower shock mount to the axle. Wait for everything to cool, then paint, reinstall the hoops, and shock. Make sure all the hardware is tight (we recommend that you use blue thread locker on the front hoop mount since there is not a locking nut).

Part #	Description	Quantity
69636	16” limit strap	2
58653	Frame backing plate	2
58650	Short limit strap tab	2
58651	Limit strap diamond plate with bend	2
58652	Limit strap axle tabs	4
58646L	2005+ Tacoma Rear Bypass Mounting Hoop (Left)	1
58646R	2005+ Tacoma Rear Bypass Mounting Hoop (Right)	1
58647	2005+ Tacoma Rear Lower Shock Mount (weld on)	2
58648	2005+ Tacoma Rear Shock Hoop Weld Washer (with nut)	2
58649	2005+ Tacoma Rear Shock Hoop Weld Washer (without nut)	2
10025	Bolt, 1/2"-20 x 2.50" Grade 8	2
10035	Bolt, 1/2"-20 x 3.50" Grade 8	2
12003	Washer, 1/2" AN	8
11001	Nut, 1/2"-20 Nylock	8
11002	Nut, 1/2"-20 C-lock	2
12007	Washer, 1/2" USS	2
12004	Washer, 1/2" SAE	12
10015	Bolt, 1/2"-20 x 1.50" Grade 8	8