

## Part# 86610

### Secondary Shock Hoop Long Travel - Race Series Lower: 2005-2018 Tacoma 2003-2018 4Runner | 2003-2018 Lexus GX 460/470 | 2007-2014 FJ

Factory manual is recommended for removal and re-installation of all factory components.

Place vehicle securely on jack stands. Make sure the front wheels are not contacting the ground. Chock both rear wheels of the vehicle to secure it from rolling back.

Remove the front wheels and tires.

#### Before you start disassembly:

Make sure the vehicle is secure and ready to work on, and the vehicle suspension should be at max extension.

Disconnect the negative (-) battery terminal at the battery to prevent electrical damage while welding.

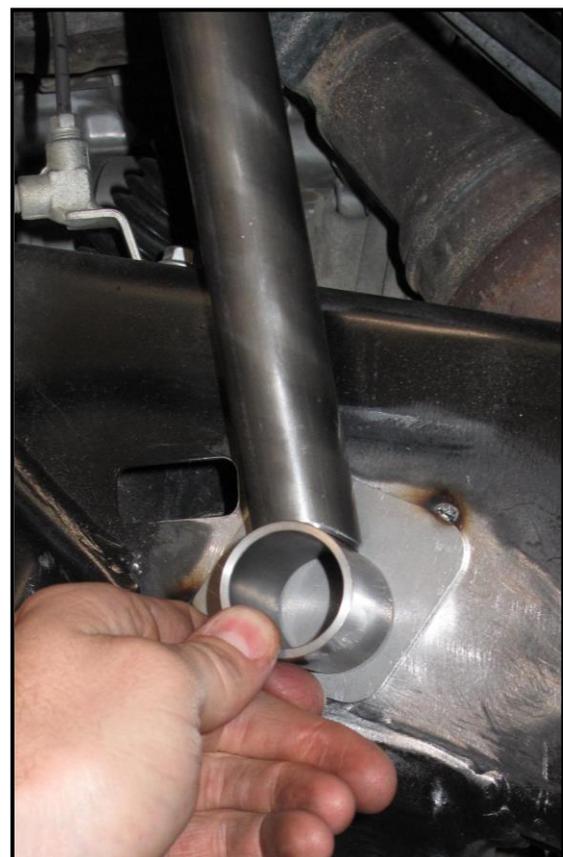
1. Remove the three bolts that hold the shock to the coil bucket. Then using the supplied 3/8" x 1" bolt (or nuts if the shock you're using has studs) bolt the new hoop to the coil bucket.



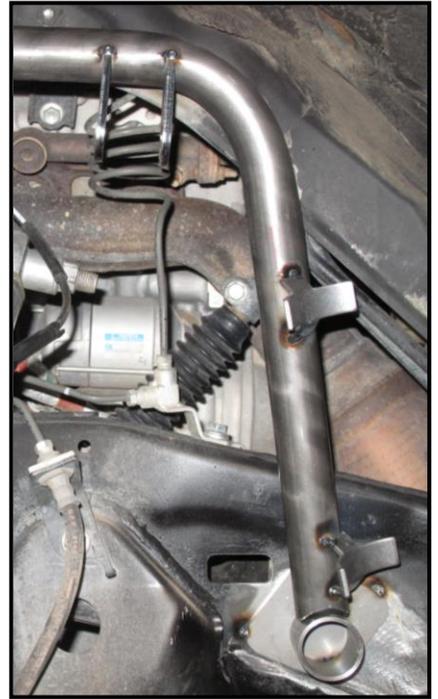
2. Mark on the side of the frame where the frame overlay plate and hoop boss will be welded. Then remove the hoop and remove the paint from the area where the overlay plate will be welded.



3. Re-install the hoop and place the overlay plate on the frame then tack it in place. Next fit the hoop boss onto the diamond plate making sure there are no gaps and tack the boss to the frame (or to the hoop, whatever you desire).



4. With the hoop still on the car bolt the shock in place. Now is the time to cycle the shock to make sure the shock you are using is the correct length. This is also the time to tack on the reservoir tabs onto the hoop if you do not have a piggyback reservoir.



5. Now that everything is tacked in place, remove the hoop and fully weld the shock tabs, reservoir tabs, and frame/hoop boss.
6. Once the hoop is welded let it cool off the vehicle, tape off and cover the part and cover where it will weld to the frame, then paint the rest of the hoop.



7. Then reinstall the hoop and weld it to the hoop boss (or boss to the frame depending on how you did it)



8. With everything welded, paint everything and reinstall the shocks making sure all the hardware is tight.



Parts List: 86610

Part Number	Description	Quantity
10710	3/8"-16 x 1" Grade 8 bolt	6
12011	3/8" SAE Washer	6
TC-180	Frame Overlay Plate	2
59564	Hoop Boss	2
59204	Reservoir Tabs	4
10025	1/2"-20 x 2.5" Grade 8 Bolt	2
10023	1/2" AN Washer	4
11001	1/2"-20 Nylock	2
58661-R	Secondary Shock Hoop -Right	1
58661-L	Secondary Shock Hoop -Left	1