

## SCB110 INSTALLATION INSTRUCTIONS

### TOOLS REQUIRED:

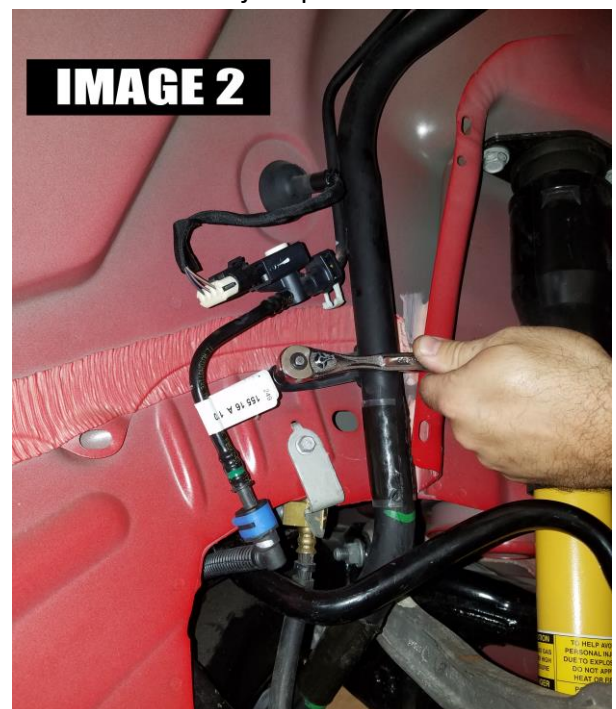
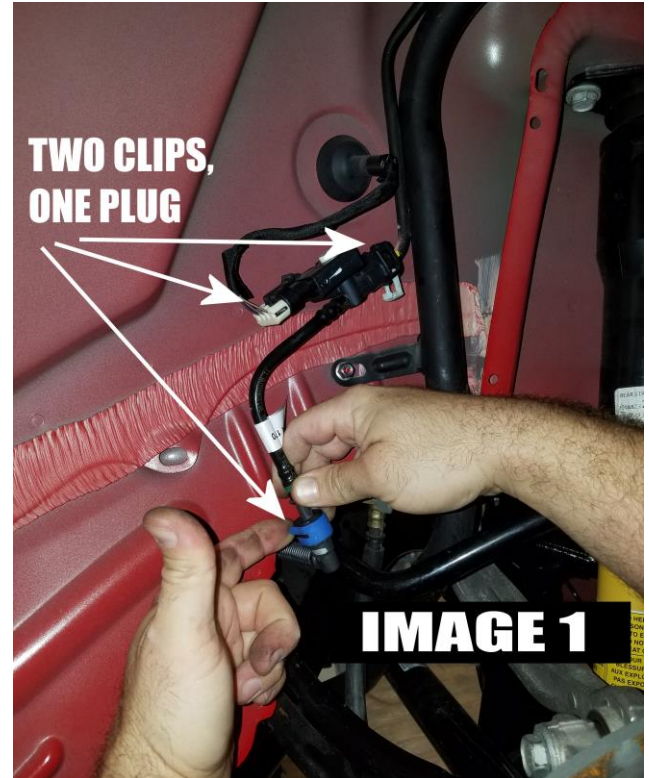
- Hydraulic jack and jack stands
- Wrenches and sockets – 10mm, 16mm, 18mm, 21mm

**NOTE:** Before proceeding, take note of the following recommendations. Unfortunately the entire rear cradle must be lowered to install this part due to poor bolt placement on the inner bolt of the upper trailing arms. This install is very involved and not recommended for the novice home mechanic. We recommend that you read the installation procedure before proceeding to make sure it is within your capabilities.

**NOTE:** We removed the springs before documenting this installation to allow better visibility for illustrating each step of the install.

### INSTALLATION:

1. Lift the rear of the vehicle and safely support with jack stands under the rear jack points on the rockers. Make sure vehicle is high enough to lower the cradle approximately 6 inches.
2. Remove wheel/tires to provide access to the work areas.
3. The first thing to remove is the entire exhaust, from the manifolds rearward. With the various exhausts offered from the factory, plus aftermarket options, we will not go into details of the removal process.
4. With the exhaust removed and set aside, proceed to the driver side rear wheelwell. Remove the 7 plastic clips and two 10mm nuts retaining the inner plastic wheelwell. Towards the rear there are a few rivets that do not come out. Simply leave these attached and fold the wheelwell out of the way to allow access to the gas filler tube.
5. Next disconnect the small fuel tube shown in **IMAGE 1** . Release the 2 clips and unplug the sensor then set the fuel tube/sensor aside.
6. Using a 10mm socket, remove the nut holding the fuel fill tube to the inner wheelwell. (**IMAGE 2**)



## SCB110 INSTALLATION INSTRUCTIONS (cont.)

- Place a bucket under the fuel tank then remove the hose clamp on the rear of the tank as shown in **IMAGE 3**. **NOTE:** the tank has a check valve to hold the fuel in the tank but you will still drip whatever fuel is in the hose itself.



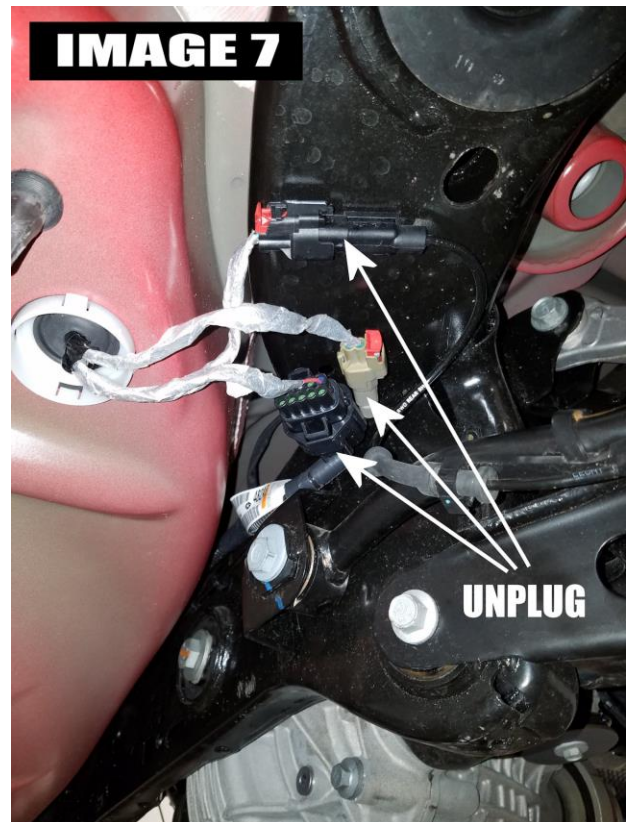
- Once the lower hose clamp is removed, the entire fill tube can be removed. Pull the tube out the bottom, through the lower control arm and trailing arm. **NOTE:** the upper part of the tube is only connected with a rubber grommet and pulls loose easily. (**IMAGE 4**)
- Next the calipers must be removed in order to lower the cradle. To eliminate the need to disconnect a brake hose, remove the outer trailing arm bolt using two 18mm wrenches as shown in **IMAGE 5**. This will allow sufficient room for the caliper to clear as the cradle is lowered.
- Using an 18mm socket, remove the two caliper bolts then hang the caliper with a piece of wire or a zip tie.





## SCB110 INSTALLATION INSTRUCTIONS (cont.)

11. The next step is to disconnect the emergency brake cables. This is difficult due to its location above the cradle. Follow the cable upward to where they connect together above the cradle. Using a small screwdriver or pick, release the spring steel retainers (**IMAGE 6**) to separate the cables.
12. Remove the two small cable clamps using a 10mm wrench.
13. Locate the group of wiring harnesses on the passenger side and unplug the three harnesses shown in **IMAGE 7**.

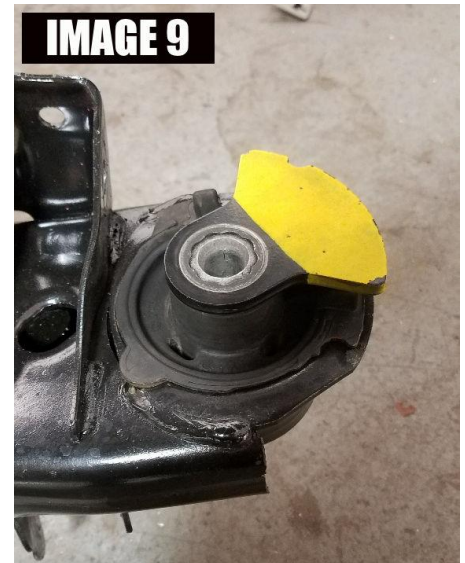


14. Using a 16mm socket, remove the upper shock bolts as shown in **IMAGE 8**.
15. Place a jack under the rear cradle then loosen the four cradle bolts using an 18mm socket.
16. Slowly lower the cradle enough to access the tops of the front and rear cradle bushings.



## SCB110 INSTALLATION INSTRUCTIONS (cont.)

17. Starting with the front bushings, the first thing you need to do is remove the limiter plate on the bottom of the bushing (**IMAGE 9**). Some earlier platforms did not have these. If you don't have them proceed to step 19.



18. Using a drill with a  $\frac{1}{4}$ " or  $\frac{5}{16}$ " drill bit, drill lengthwise on the plate to "split" the plate where it is swaged onto the bushing. Once the plate is split, pop the plate off using a pry-bar. (**IMAGE 10**)



19. Using a razor knife, cut the rubber off the front of the bushing so that it is flush with the steel part of the bushing. (**IMAGE 11**)





## SCB110 INSTALLATION INSTRUCTIONS (cont.)

20. Using the chart to the right, install the BMR lockout ring into the void on the tops of the front and rear cradle bushings. It may help to lube the rings to allow them to fit into the bushing voids.
21. Once the rings are installed, lift the cradle up to the frame to hold the rings in place.
22. Using the chart to the right, locate the correct lower lockout rings and install them onto the bushings. Using the factory mounting hardware, tighten all 4 bolts to 124 ft/lbs.



23. Re-install all of the cradle, suspension and drivetrain components using steps 3-14 in reverse.
24. Re-install wheels/tires and lower vehicle.



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