



# SB115 INSTALLATION INSTRUCTIONS

1" Rear Sway Bar

## TOOLS REQUIRED:

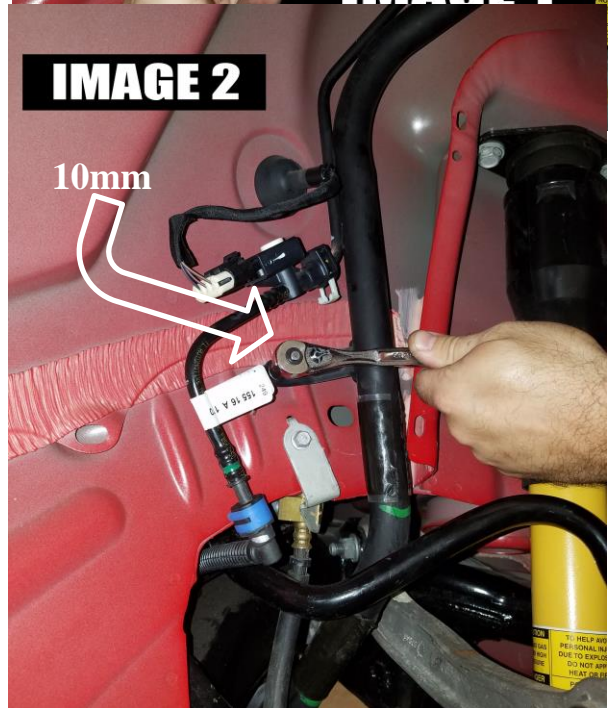
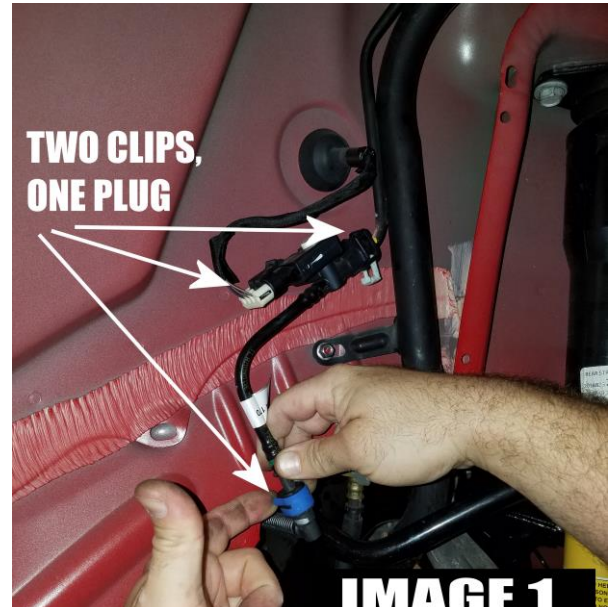
- Hydraulic jack and jack stands
- Wrenches and sockets – 10mm, 15mm, 16mm, 18mm 21mm
- 50 Torx Bit Socket

**NOTE:** Before proceeding, take note of the following recommendations. Unfortunately, the entire rear Crossmember must be lowered to install this part to access the driver's side rear differential bolt. 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 Crossmember approximately 6 inches. Remove wheel/tires to provide access to the work areas.
2. 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.
3. Next, disconnect the rear of the driveshaft from the front of the differential using a 50 Torx bit socket.
4. With the exhaust removed and the drive shaft disconnected and set aside, proceed to the driver side rear wheel well. Remove the 7 plastic clips and two 10mm nuts retaining the inner plastic wheel well. Towards the rear there are a few rivets that do not come out. Simply leave these attached and fold the wheel well out of the way to allow access to the gas filler tube.



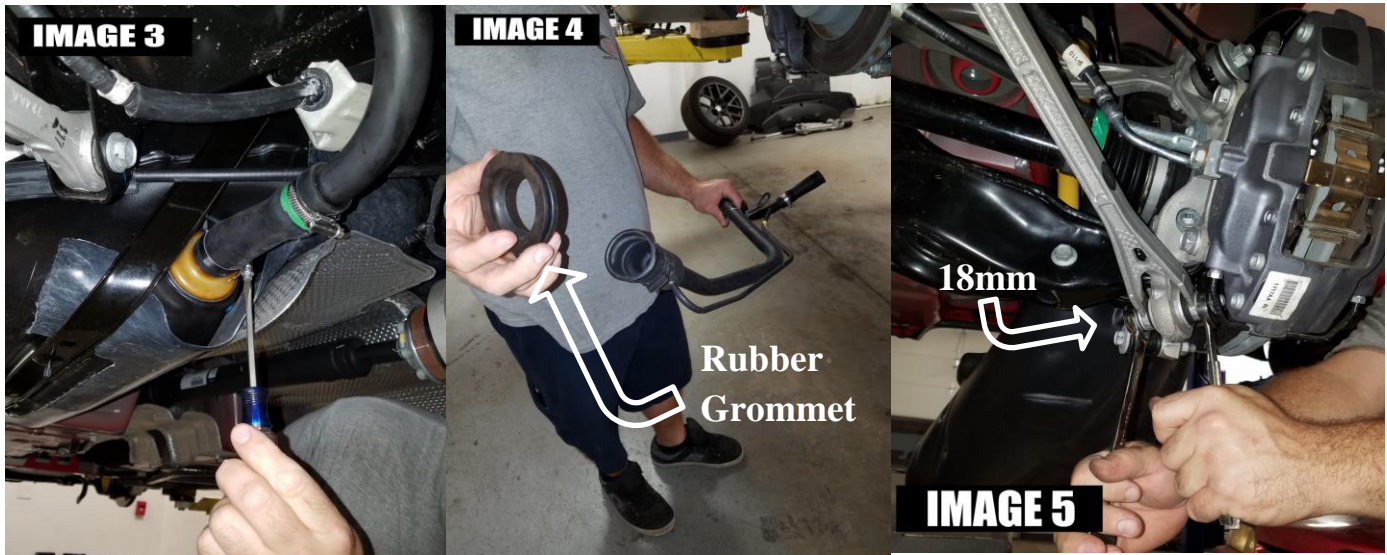
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5. Next disconnect the small fuel tube shown in **IMAGE 1**. Release the 2 clips and unplug the sensor then set the fuel tube/sensor aside.
6. Using a 10mm socket, remove the nut holding the fuel fill tube to the inner wheel well. (**IMAGE 2 On Page 1**)
7. Remove the hose clamp on the rear of the tank as shown in **IMAGE 3**. Use a bucket to catch any gas. 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 tank has a check valve to hold the fuel in the tank but you will still drip whatever fuel is in the hose itself.)

**(NOTE:** the upper part of the tube is only connected with a rubber grommet and pulls loose easily. **IMAGE 4**)

8. Next the calipers must be removed in order to lower the Crossmember. 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 Crossmember as it is lowered.
9. Using an 18mm socket, remove the two caliper bolts then hang the caliper with a piece of wire or a zip tie.
10. The next step is to disconnect the emergency brake cables. This is difficult due to its location above the Crossmember. Follow the cable upward to where they connect together above the Crossmember. Using a small screwdriver or pick, release the spring steel retainers (**IMAGE 6 shown on page 3**) to separate the cables.
11. Remove the two small cable clamps using a 10mm wrench.
12. Locate the group of wiring harnesses on the passenger side and unplug the three harnesses shown in **IMAGE 7 shown on page 3**.

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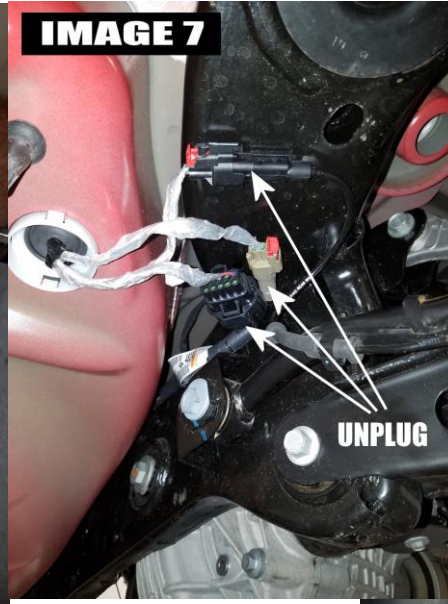




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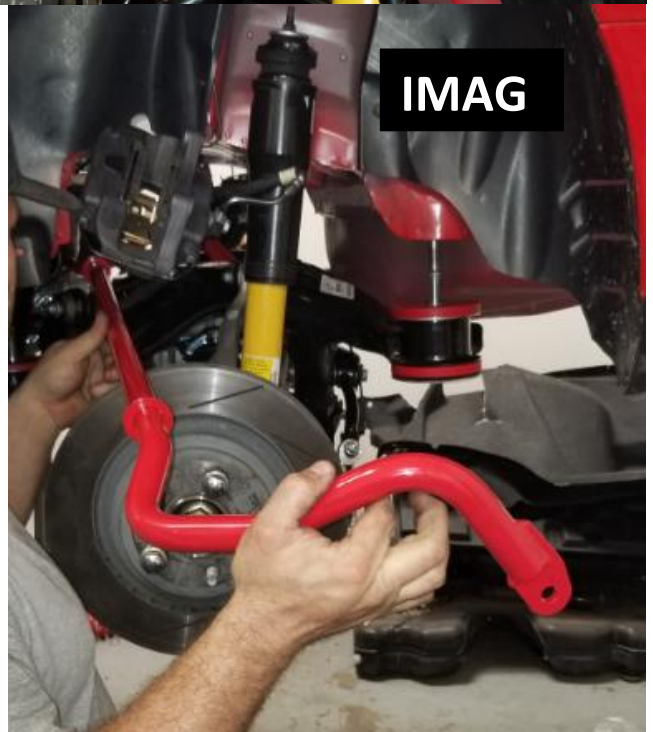
- Using a 16mm socket, remove the upper shock bolts as in **Image 8**.
- Place a jack under the rear Crossmember then loosen the four main Crossmember bolts using an 18mm socket and carefully lower the crossmember.



- Using a 15mm socket, unbolt and remove the factory rear Sway Bar Saddles and remove the stock end links using a 15 and 16 mm wrench and socket.
- Install the new sway bar (**Image 9**) using the supplied Bushings and Bushing Saddles. Use the factory bolts to reattach the Sway Bar Bushing Saddle back to the crossmember as shown in **Image 10**.
- Reinstall the end links and verify that the end of the sway bar and the end links are properly positioned and clear all of the suspension linkages.

**(NOTE: If you need additional clearance for your Sway Bar or Sway Bar End Link, push your Sway Bar Bushing Saddles back toward the rear of the vehicle as much as possible. Depending on your vehicle, you may also need to remove a small amount of material from the Lower Control Arm or Spindle using a grinder)**

- Raise and re-install the rear crossmember in reverse order and refer to the chart below that lists all rear suspension torque specifications.



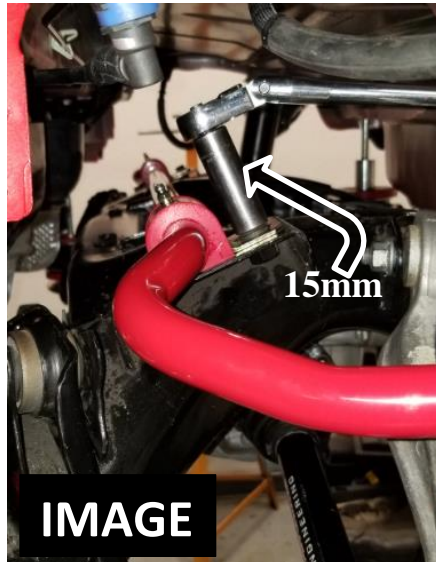
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**IMAGE**



**IMAG**

| DESCRIPTION                              | N-m | Ft. Lbs. | In. Lbs. |
|--|-----|----------|----------|
| Brake Caliper Adapter Knuckle Bolts      | 115 | 85       | —        |
| Camber Link Crossmember Bolt             | 85  | 63       | —        |
| Camber Link Knuckle Bolt                 | 98  | 72       | —        |
| Compression Link Crossmember Bolt        | 85  | 63       | —        |
| Compression Link Knuckle Bolt            | 81  | 60       | —        |
| Crossmember Mounting Bolts               | 180 | 133      | —        |
| Hub And Bearing Mounting Bolts           | 68  | 50       | —        |
| Hub Nut                                  | 213 | 157      | —        |
| Parking Brake Cable Knuckle Screw        | 8   | —        | 71       |
| Shock Absorber Mounting Bolts - Upper    | 52  | 38       | —        |
| Shock Absorber Mounting Bolt Nut - Lower | 72  | 53       | —        |
| Spring Link Crossmember Bolt             | 108 | 80       | —        |
| Spring Link Knuckle Nut                  | 142 | 105      | —        |
| Stabilizer Bar Isolator Retainer Bolts   | 61  | 45       | —        |
| Stabilizer Link Nuts                     | 61  | 45       | —        |
| Tension Link Crossmember Bolt            | 85  | 63       | —        |
| Tension Link Knuckle Bolt                | 98  | 72       | —        |
| Toe Link Crossmember Nut                 | 108 | 80       | —        |
| Toe Link Knuckle Bolt                    | 95  | 70       | —        |

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