

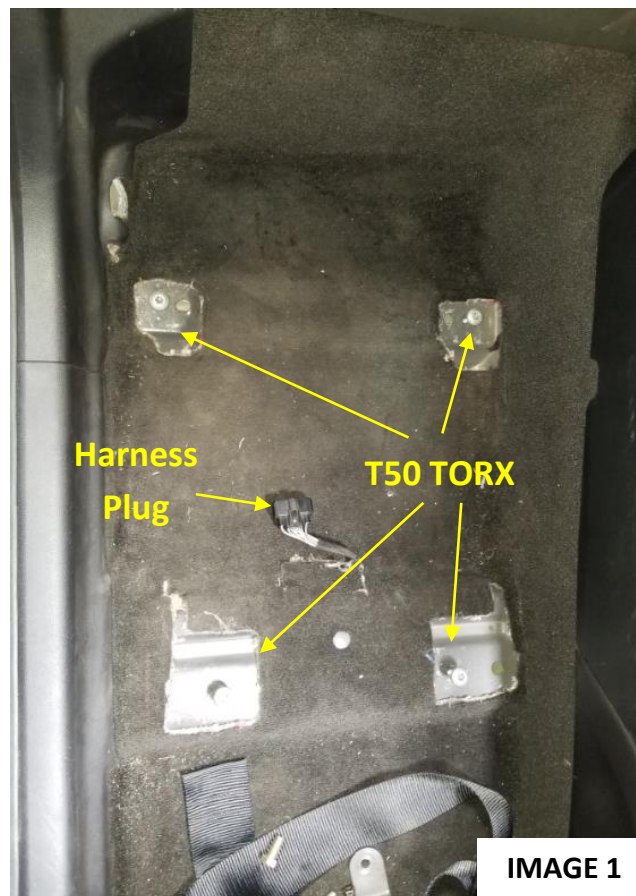
## HB760 – Harness Bar and Mounts for 2015-2019 S550 Mustang

### REQUIRED TOOLS:

- Trim Removal Tool
- T50 Torx Bit Socket
- Basic sockets/wrenches

### HARNESS BAR INSTALLATION:

1. Move both seats forward and tilt the seat-back forward to maximize room to work *or* remove all-together with a T50 Torx as shown in **IMAGE 1**. Disconnect wiring harness from each seat.
2. Remove the trim surrounding the bottom of the door jam using a trim tool. There are plastic clips holding this panel in place. Un fasten this panel but you do not need to remove the weather stripping as shown in **IMAGE 2**.
3. Remove the rear bench seat. Under each side there is a plastic catch, push and pull in order to release the seat. Once each catch is removed on each side, the seat is easily removed.
4. Lower the rear seat-back.



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5. Once the rear seat is lowered, remove the rear quarter panel trim. They have plastic clips and Velcro holding them in place. Using the trim tool to pry or carefully using your hands, remove the whole panel. If all of the clips are disconnected the panel should be easily removed. **DO NOT TUG OR PULL ON THE PANEL IF IT IS STUCK.**

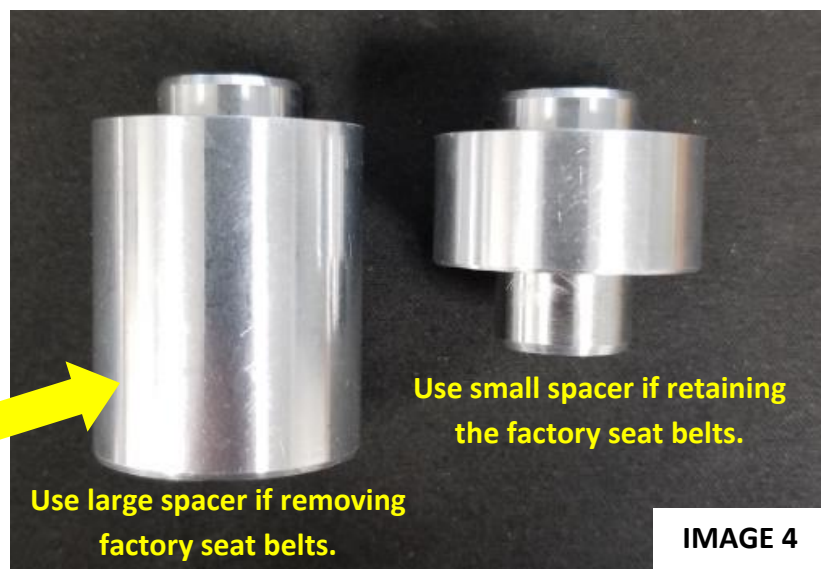
6. Once the rear quarter panels have been removed, you can raise and re-secure the rear seat-back.

7. Fasten the rear seat belts into their buckles to ensure that the belts do not retract fully. Using a T50 Torx bit, remove the rear seat belt tie downs. If you are retaining the rear seatbelts, you will use the provided factory fastener and fasten the formed rear mounting plate. If you are removing the rear seatbelt, you will need to remove the fastener from the seatbelt assembly and mount the rear bracket as shown in **IMAGE 3**. *Do not tighten any fastener yet!*

8. Next, we will install the harness bar loosely. Ensure not to fully tighten any bolts yet.



**IMAGE 3**



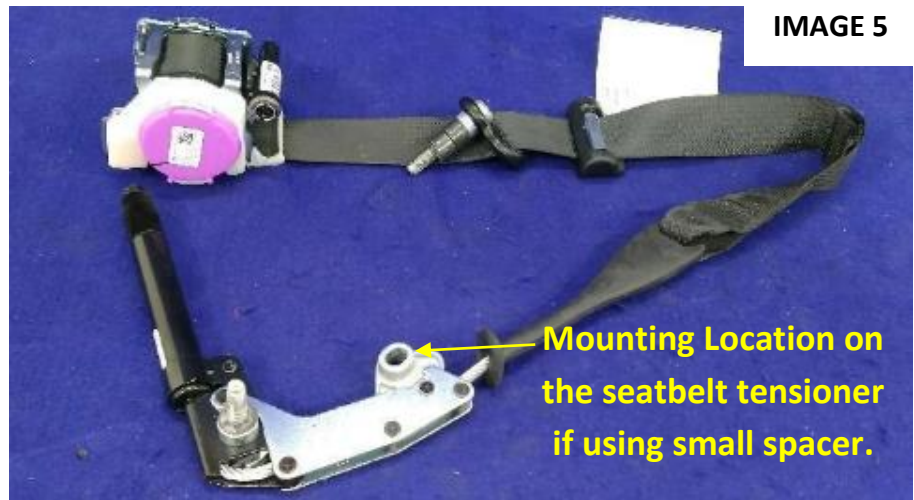
**IMAGE 4**

**These spacers fit the shank of the supplied M10 bolt with a light press fit, use a mallet to install the bolt to the assembly.**



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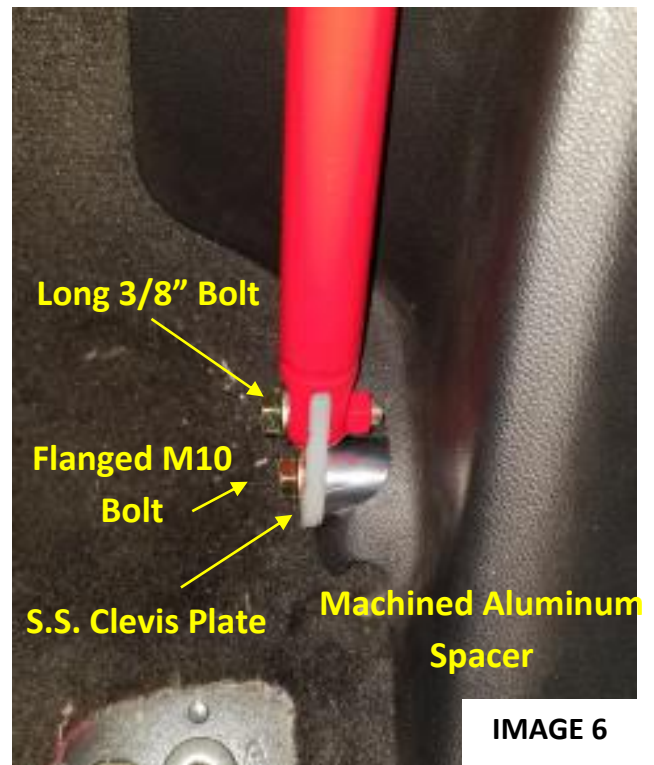
9. If you are retaining the factory seat belt, use the short aluminum spacer. If you are removing the factory seat belt use the tall aluminum spacer as shown in IMAGE 4. Bolt spacers using the provided metric flanged bolts and with the stainless clevis plate as shown in **IMAGE 4 & 6**.



### NOTE:

- If you are **using the large spacer**, you must remove the entire lower seatbelt tensioner. The flat end of the spacer mounts flush to the inner rocker using the factory bolt hole where the tensioner pivot was originally. See **IMAGE 4 & 6**.
- If you are **using the small spacer**, you will need to remove the factory lower seatbelt tensioner pivot bolt using a T50 socket. The longer nub end of the spacer goes into the seat belt tensioner pivot. See **IMAGE 5**.
- These spacers should fit tight with the bolt and may require the use of a mallet to seat them thru the spacer.

10. Starting with the front down bar mount tab, install the provided M10 flanged bolt, the stainless clevis plate, the machined aluminum spacer in to the front seat belt retractor pivot hole on both sides as shown in **IMAGE 6**.



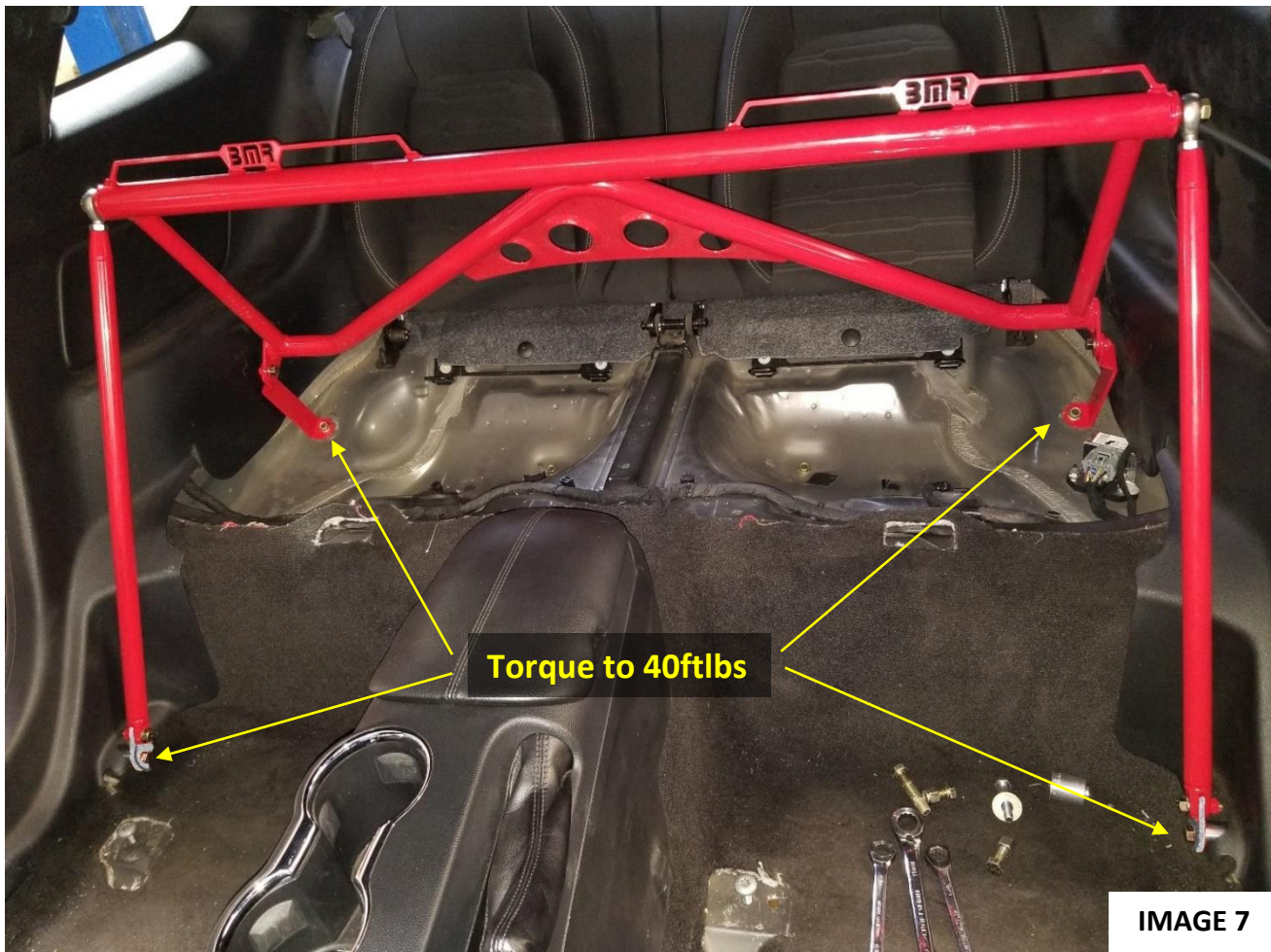
11. Next, install the rear main bar to the rear seat belt plate using the small 3/8" Bolt as shown in **IMAGE 7**. Ensure that the seat belt is angled to avoid snags in the seat belt. Install the 1/2" bolts, connecting the front down tubes to the main tube. Then use the larger 3/8" bolt to connect the clevis on the front down tubes to the stainless steel clevis plate.

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12. Once the harness bar is installed and square, you can now adjust the height of the front down bars to best suit your seat using the threaded rod end. Your shoulder straps should mount level to around 4" below shoulder height.
13. Once a proper height has been set use a  $\frac{3}{4}$ " wrench and tighten the jam nuts. Snug all of the  $\frac{3}{8}$ " and  $\frac{1}{2}$ " bolts. **Then tighten the main bolts shown above in IMAGE 7.**
14. To reinsert the plastic trim, you must remove the main cross bar and the front down tubes. This is done easily by removing all four (4)  $\frac{3}{8}$ " bolts and removing the harness bar as an assembly.

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15. Mark and trim the interior rear quarter panel trim panels to fit over the aluminum spacers and clevis as shown in **IMAGE 8**.
16. Re-install the interior trim and rear seat.
17. Re-install the harness bars, torque the **3/8" bolts to 30ftlbs** and the **1/2" bolts to 50ftlbs**.

**NOTE:** This harness bar quickly and easily connects and disconnects with the full interior, front and rear seats fully installed simply by removing all (4) 3/8" bolts. This allows the use of the back seat, full access to the interior or in order to be removed for street driving (*ONLY* when retaining the factory 3-point seatbelts).

**NOTE:** This harness bar was designed to use a 4-point harness that *wraps* the main bar for the *shoulder straps* and has *bolt-in tabs* on the *lap belt* portion. It can also be used with a BMR Crotch strap mount (CS760) to use a 5-point harness.

### LOWER BELT MOUNTING BRACKET INSTRUCTIONS:

- 1) Included are four (4) formed stainless steel harness belt mounting brackets. These are used to fasten the lap belt portion of 4-point harness'. They use the **remaining 1/2" bolts and nuts to fasten to the harness belt loop**.
- 2) It is recommended that you install these brackets using the rear two (2) driver and passenger seat bolts as shown below in **IMAGE 8**. They can be used in any orientation to best suit your vehicles needs.
- 3) Torque seat bolts to 45ftlbs.



**IMAGE 8**

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