

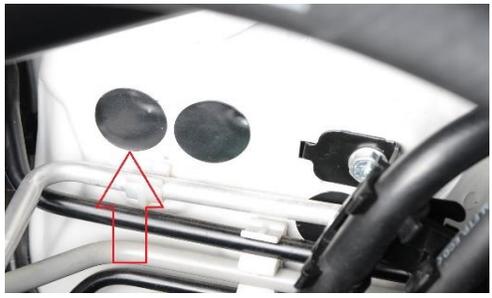
# INSTALLATION INSTRUCTIONS MASTER CYLINDER BRACE

2012+ SUBARU BRZ, SCION FR-S, Toyota GT86/GR86

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## LEFT-HAND DRIVE ONLY

To make installation easier, it is recommended (but not necessary) to remove the tubular brace connecting the LH strut tower to the firewall.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1		On the LH strut tower, locate the small stickers covering threaded holes. Remove the sticker closest to the brake master cylinder.	
2	10mm Socket	<p>Remove the M6 screw holding the bracket to the strut tower. This bracket may look slightly different depending on vehicle model and year.</p> <p>On the Gen2 vehicles (2022+), unclip the air conditioning line from the plastic clip on the strut tower (it will not be re-clipped).</p>	
3		On the Gen2 vehicles, unclip the plastic fuel line holder from the metal bracket. Remove the metal bracket, as shown.	
4		Find the master cylinder brace (MCB) in the kit. Screw in the anodized bolt all the way (do not tighten lock nut).	

5	10mm Socket	For vehicles with an automatic transmission, the metal bracket supporting the wiring harness shown in the photo will have to be permanently removed.	
		Reroute the wiring loom to make clearance for the MCB.	
6	4mm Allen Wrench	Insert 1 of the included screws into the mounting hole closest to the Radium Engineering logo. Place the MCB in the location on the strut tower and thread this screw into the hole that was previously covered by one of the stickers.	
		Run the screw into the hole, do not fully tighten.	
7	4mm Allen Wrench	<b>Gen1 Cars (12-21) ONLY</b>  Install the second provided screw into the other MCB mounting hole, sandwiching the fuel line bracket (as shown). Run the screw down but do not fully tighten.  Skip to step 12.	
8	4mm Allen Wrench	<b>Gen2 Cars ONLY</b>  Insert the second provided screw through the mounting hole of the bracket removed in Step 3.	
9	4mm Allen Wrench	<b>Gen2 Cars ONLY</b>  Insert the fuel line bracket in place, lining up the screw to the second mounting hole in the MCB.  Insert a long Allen wrench between the fuel lines and run the screw into the threaded hole on the strut tower. Make sure the tang on the metal bracket lines up with the relief cut on the MCB.	
10		<b>Gen2 Cars ONLY</b>  Clip the plastic fuel line holder into the metal bracket, using the original clip point.	

11		<b>Gen2 Cars ONLY</b>	
		Push down on the aluminum A/C pipe (in area shown) to create clearance with the MCB. This will bend the pipe slightly. Make sure the pipe is not rubbing on the MCB.	
12	4mm Allen Torque Wrench	Tighten both MCB mounting screws to 12-16 N-m (106-140 in-lbs.)	
13	1/2" Wrench	Unscrew the aluminum bolt until the head is in contact with the end of the brake master cylinder. To lock the bolt in position, tighten the jam nut down on the MCB.	
		<b>CAUTION:</b> Overtightening the jam nut can break the aluminum bolt. Tighten very carefully. Only minimal torque is required for the jam nut.	
		<b>INSTALLATION COMPLETE</b>	



Final installation, Gen1 vehicle



Final installation, Gen2 vehicle