

M7 R56 Carbon Fiber & Tegriss Splitter Factory Aero Bumper (Model years 2011-2013) Installation Guide

M7 Tuning engineers and manufactures the highest quality MINI accessories and performance parts available anywhere on the planet! Please read these instructions completely BEFORE attempting to install this product. If you are not confident you can do the work described or do not have the tools necessary please contact a local M7 dealer (listed on or website www.m7tuning.com) or a local accessory installation center to perform this work.

CONTENTS:

Qty	M7 P/N	Description
1		Splitter (Carbon Fiber or Tegriss)
13	95-9006	#12 Truss Head Self Tapping Screw (1 extra)
13	95-4001	Expanding Retainer-Black Plastic (1 extra)
1	95-9005	AVK Insert Tool #10-32
3	95-5002	#10-32 Expanding NutSert
2	95-9012	APR Strut Rod
10	95-9013	Rubber washers 3/4" OD x 1/4" ID
1	95-2009-SS	#10-32 x 1 1/2" Button Head SS
4	95-3004-SS	#10-32 x 5/8" SHCS SS
9	95-7001-SS	#10 x 3/4" OD Flat fender washer
2	95-8019	#10-32 Half Height Nyloc Nut
1	99-1000	Sticker Pack

TOOLS NEEDED:

- #2 Phillips screw driver (power nut driver recommended)
- Electric drill
- 1/8" drill bit
- 1/4" drill bit
- 3/8" drill bit
- 3/8" open end wrench
- 7mm open end wrench
- 8mm open end wrench
- 5/32" Allen wrench
- Red Loctite (Thread locker)
- A friend to help



CAUTION:

WHEN WORKING UNDER YOUR CAR ALWAYS USE THE RIGHT EQUIPMENT FOR THE JOB. DON'T BE TEMPTED TO TAKE SHORT CUTS OR USE INAPPROPRIATE SUPPORTS SUCH AS CONCRETE BLOCKS, BRICKS OR WOOD. NEVER WORK UNDERNEATH A VEHICLE THAT IS ONLY SUPPORTED BY A JACK. ONLY USE AXLE APPROVED STANDS OR CAR RAMPS THAT ARE IN GOOD CONDITION AND PROPERLY RATED FOR YOUR VEHICLE'S WEIGHT.

INSTALLATION:

1. Raise your car onto axle-stands or ramps that so you can easily work under the front bumper of your vehicle.
2. Clean the underside of the bumper to remove any loose dirt or damaged hanging plastic bits caused by run-ins with parking lot curbs or ?. A smooth surface is desired.
3. Place a piece of masking tape on your bumper nose at the point it wraps and goes underneath. Determine the centerline of the bumper by measuring the full width the grill opening and dividing by 2. (Grill width/2) Mark this point on the masking tape.
4. Place a piece of masking tape in the approximate center on the splitter. Determine and mark the centerline of the splitter.
5. Place the splitter up to the bottom side of your bumper, aligning the back edge of the splitter with the rear vertical lip on the underside of the bumper and the centerline marks on the bumper and splitter. Position the splitter so there is no gap between the splitter and the back edge on the underside of your bumper. (A friend is very helpful at this point) If you want more splitter showing slide the splitter toward the front of the car to get the desired overhang. Verify the splitter is centered and the overhang is equal left and right.
6. Using a ¼" drill bit or a silver Sharpie® and the splitter as a template guide, mark the bottom of your bumper cover at the thirteen (13) locations shown below. See Figure #1.



Check three (3) times that the marks and the splitter are aligned correctly before drilling!

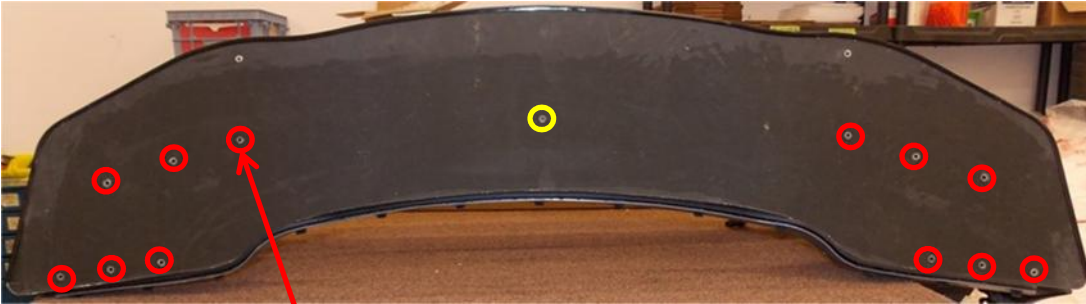


Figure 1

USE THESE 13 HOLES AS A GUID TO
DRILL FOR RETAINER CLIPS



CAUTION: STOP AS SOON AS THE DRILL BREAKS THROUGH. THERE IS LIMITED CLEARANCE ABOVE THE BUMPER COVER.

7. Remove the splitter and set it to the side.
8. Pilot drill the thirteen (13) marked holes with a 1/8" drill first. Final drill twelve (12) holes indicated by the **RED circles to 3/8" diameter**. Do not make the holes any larger than 3/8". Final drill the one (1) center hole indicated by the **YELLOW circle to 1/4" diameter**. Clean away any remaining burrs.



CAUTION: STOP AS SOON AS THE DRILL BREAKS THROUGH. THERE IS LIMITED CLEARANCE ABOVE THE BUMPER COVER.

9. Insert the twelve (12) plastic retainers into the 3/8" diameter holes. Push the retainers into the holes until they snap in and are flush with the bottom side of the bumper. It is a tight fit by design. Do not make the holes any larger than 3/8".
10. Insert one of the metal threaded inserts into the center 1/4" diameter hole. Install the insert per the directions that are with the supplied nutsert tool.

ATTACH THE SPLITTER:

11. Remove the masking tape from the splitter and bumper. Place the splitter to the underside of your bumper.
12. Align all the holes and install the supplied Black Truss Head screws in the twelve (12) plastic retaining clips.
13. Tighten all the fasteners once you are satisfied with the splitter position.



CAUTION: DO NOT OVER TIGHTEN. USE A HAND SCREW DRIVER TO FINAL TIGHTEN. REMEMBER-----YOUR ARE WORKING WITH PLASTIC MATERIALS!

SPLITTER CENTER SUPPORT:

14. At the center of the bumper/splitter measure the gap between the top of the splitter and the bottom of the bumper lip at the splitter center hole (Ref: YELLOW hole in Figure #1). Create a stack of rubber washers and (2) SS fender washers to match (fill) the measured gap.

15. Install this pre-measured stack of rubber washers and (2) SS flat washers over the center hole in the splitter (Ref: YELLOW hole in Figure #1). Insert the #10 x 1 ½" lg. button head SS screw and (1) #10 flat washer through the bottom of the splitter. A drop of RED Loctite is highly recommended on this #10 screw to keep the screw secure.

STRUT ROD INSTALLATION:

16. Plan where you want your adjustable rod links to connect to your bumper. General placement is approximately 1" either side of the lower grill, 4 ¾" up from the splitter. We advise you apply masking tape in the general area where your attachment points will be on bumper cover to mark this location before drilling any holes. The strut rod holes are pre-drilled in the splitter for you.

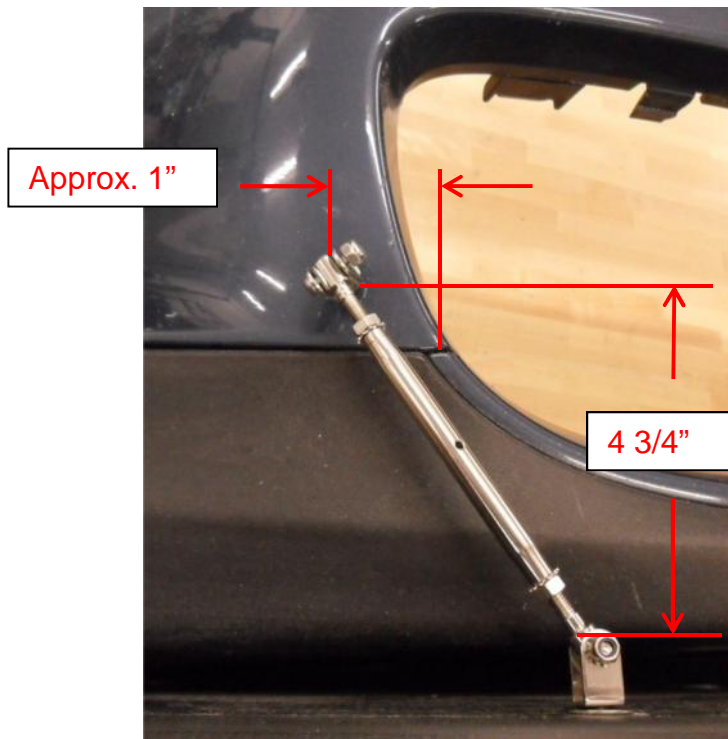


Figure 2

- Place one end of the strut rod into the pre-drilled hole in the splitter and locate where the top of the strut rod will attach to your bumper. (1" & 4 3/4" dimensions) See Figure #2.

Mark this spot on the masking tape. Before drilling any holes mock up the rod to make sure you have enough available strut rod length. Verify the clevis is screwed into each end of the rod at least 3/8" so you have adjustment available when completed. Once everything is as you want it final mark the LS and RS hole locations. Keep the RS and LS symmetrical. **REMEMBER...MEASURE 3 TIMES.....DRILL ONCE**

- Using a 1/4" drill bit, drill one single hole at each of the 2 spots you marked on the bumper in the prior step. Do not make the holes any larger than 1/4".



CAUTION: STOP AS SOON AS THE DRILL BREAKS THROUGH. THERE IS LIMITED CLEARANCE BEHIND THE BUMPER COVER.

19. Install one metal threaded insert into each of the ¼” holes flush with the bumper cover. Follow the instructions included with the tool and tighten to seat the insert in each LS & RS hole.
20. Install the strut rods. On the splitter end of the strut rod sandwich the splitter with one (1) flat washer on top and one (1) flat washer on the bottom. On the bumper end use one (1) stainless steel flat washer between the strut rod u-bracket and the threaded insert you installed in the bumper. Once everything is aligned tighten all hardware and jam nuts. Tighter the screws holding the strut rod to the bumper and splitter to 20 in-lbs (2.2Nm) MAX
21. It is advised you Loctite the four 5mm screws on the rotating joint nuts. If you Loctite any other nuts you will lose the ability to adjust or remove the strut rods in the future. See Figure #3

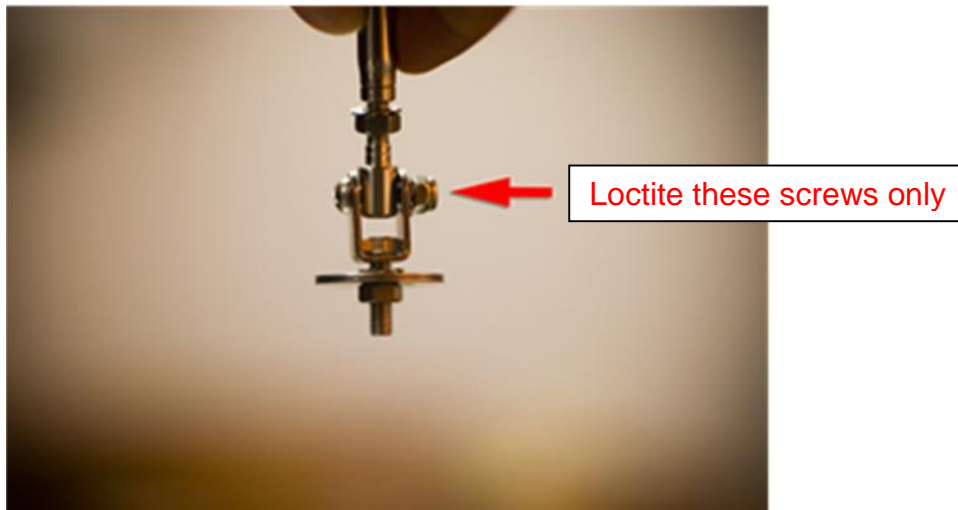


Figure 3

22. Final align the splitter by shortening or lengthening the strut rods so that it sits horizontal with the ground when your car is on a flat level surface and no free play is noticeable.
23. Check all hardware for tightness and you are Done!
Enjoy the Ride and stay **M7 Tuned**.....

Thank you
Team M7