

MM Radiator Core Support, 2005-14 (Mm5KM-8)

This Kit Contains



Description	QTY
Radiator Core Support	1
Air Deflector Mounting Bracket, Driver	1
Air Deflector Mounting Bracket, Passenger	1
15" Zip Tie	3
Spiral Wrap	1
M8-1.25 x 20mm Flange Bolt	8
Installation Instructions	1

Maximum Motorsports' lightweight radiator core support for 2005-14 Mustangs is more than strong enough to support front swaybar loads. This unique, versatile product also features a swaybar mounting feature; allows mounting reinforcement braces between MM Core Support and the MM K-member; and makes it easy to mount a splitter or other accessories to dedicated tabs. Welded-steel construction and a corrosion-preventing, powdercoated finish complete the package.

Read all instructions before beginning work. Following instructions in the proper sequence will ensure the best and easiest installation.

Required Tools

- Standard assortment of hand tools
- Torque wrench
- Jack and two jack stands

Installation Time

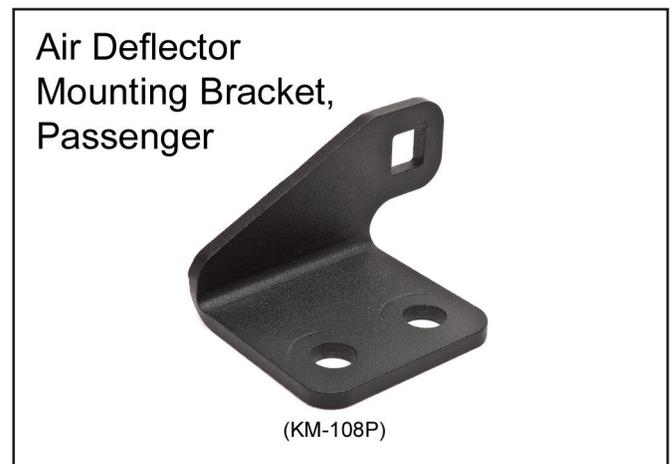
Shop: 1.0 Hours

Home Mechanic: 2.0 Hours

Supplemental Installation Notes

- A separate mounting kit is required if retaining the front swaybar. The Mm5FSB-21 or Mm5FSB-22 is designed to install a front swaybar onto the Mm5KM-8 Radiator Core Support.

Component Identification

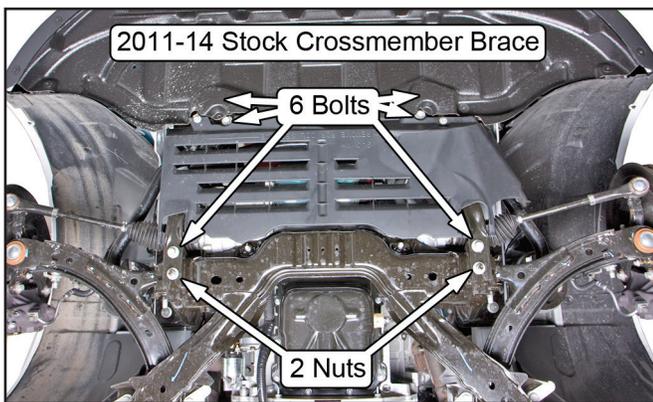


Stock Radiator Core Support Removal

1. Block the rear wheels to prevent vehicle from rolling. Raise front of car and support it using jack stands.

NOTE: Vehicle must be lifted and supported under rocker panel pinch welds (as specified in Ford service manual) to avoid damaging chassis. Do not lift by K-member.

2. (2005-10 ONLY) Remove the two bolts holding the air deflector to stock radiator core support.
3. (2011-14 ONLY) Remove front air deflector. There are 17 fasteners in total.
4. (2011-14 ONLY) Remove the stock crossmember brace and attached splash guard.



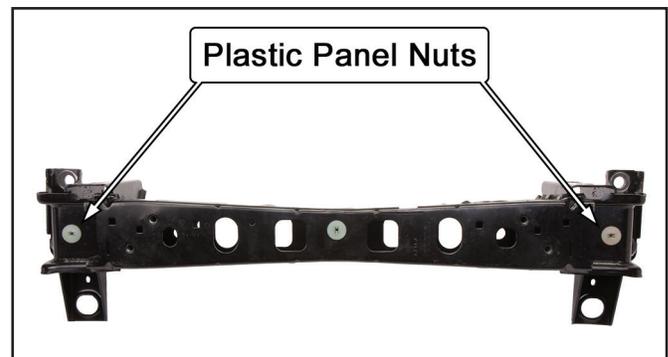
5. (2011-14 ONLY) There is a small plastic splash shield that sits in front of the swaybar on the driver side of the car. Remove the plastic fastener that attaches this to the radiator core support. It will be installed in your new MM Core Support.
6. Release brake line from the 2 clips on the stock radiator core support.
7. (2005-10 ONLY) Loosen A/C line bracket nut. Release A/C line bracket from radiator core support.
8. (2005-10 ONLY) If equipped, release power steering line locator from crossmember.
9. (2011-14 ONLY) If equipped with track pack oil cooler, remove oil filter to provide clearance for the swaybar removal.
10. Remove the 4 front swaybar mounting bracket nuts.

11. Remove the swaybar and mounting brackets from the OEM core support. If retaining swaybar, it can hang freely from the swaybar endlinks. If not retaining the swaybar, remove the endlinks from their mounts on the struts and remove swaybar from vehicle.

12. Supporting the crossmember with a jack, remove the 4 nuts holding it to the front frame rails. Carefully lower crossmember.

NOTE: During removal of core support, the radiator may drop slightly but will remain in position without further support.

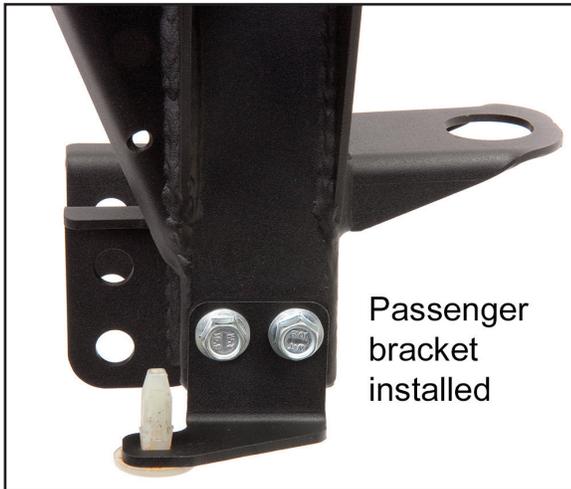
13. If reinstalling the front swaybar, remove the 4 swaybar bolts from the stock radiator core support for later reuse.
14. (2011-14 ONLY) Remove 2 plastic panel nuts from the stock radiator core support that are used to retain the air deflector.



15. Remove the rubber radiator isolators.

MM Radiator Core Support Installation

16. (2011-14 ONLY) Install plastic panel nuts removed in Step 14 into the provided air deflector mounting brackets.
17. (2011-14 ONLY) Install the air deflector mounting brackets onto the MM Radiator Core Support so the plastic panel nuts are oriented toward the rear of the car. Torque the supplied 8mm flange bolts to 22 Nm (16 lb-ft).



18. Install rubber radiator isolators in the MM Radiator Core Support.
19. If a front swaybar will not be reinstalled, thread the remaining 4 provided 8mm flange bolts into the angled faces of the MM Radiator Core Support and torque to 22 Nm (16 lb-ft).
20. Slowly lift the MM Radiator Core Support into position, making sure the 4 mounting holes are correctly aligned with the studs in the frame rail and that the radiator is properly aligned with the lower rubber isolators in the MM Core Support. You can use a jack to help lift the radiator core support into place.
21. Torque the 4 radiator core support nuts to 115 Nm (85 lb-ft).

NOTE: If installing the Mm5FSB-22 Reinforcing Arms, leave the core support mounting nuts loose.

22. Attach brake line to tab in the middle of the crossmember. Using the supplied spiral wrap around the brake line and then zip-tie it to secure the line to the tab.



23. Reattach the small plastic splash shield on the driver side of the core support.

Swaybar Installation

24. If you're not reinstalling the front swaybar, skip to the "Air Deflector Installation" section of these instructions.
25. If you are installing a front swaybar, the Mm5FSB-21, or -22 kit will need to be installed now. Please follow the installation instructions included with those products.

Air Deflector Installation

26. (2005-10 ONLY) Attach the air deflector to the MM Radiator Core Support using two of the provided zip-ties.
27. (2011-14 ONLY) Reinstall the air deflector and secure it to the front air dam using 14 of the original 17 fasteners.
28. (2011-14 ONLY) Using either a small drill bit or sharp scribe, make two new holes to attach the rear portion of the air deflector to the provided air deflector L-brackets installed in Step 17.



29. (2011-14 ONLY) Attach the air deflector to the L-brackets using two of the remaining fasteners. There will be one remaining fastener that is no longer used and can be discarded.
30. Safely lower the vehicle to the ground.
31. Test drive and enjoy!