

MM Engine Support Beam, 2005-14 (MMT-11)

This Kit Contains

Description	QTY
Engine Support Beam, Driver Side	1
Engine Support Beam, Passenger Side	1

Component Identification



Congratulations on purchasing Maximum Motorsports' MMT-11 Engine Support Beam for 2005-14 Mustangs. We designed this unique tool to make installation of the MM K-member much easier.

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

WARNING: Do **NOT** lay directly beneath the engine while it is supported with the ratchet straps, serious injury or death may result if they fail.

Required Tools

- Standard assortment of hand tools
- 3/8" Torque Wrench

Required Supplemental Items

- Two ratchet straps are required, each with a 600-lb. minimum work load rating. The MMT-11 Engine Support Beam will accommodate 1" and 2" wide straps.

Engine Support Beam Passenger Side



Engine Support Beam Driver Side

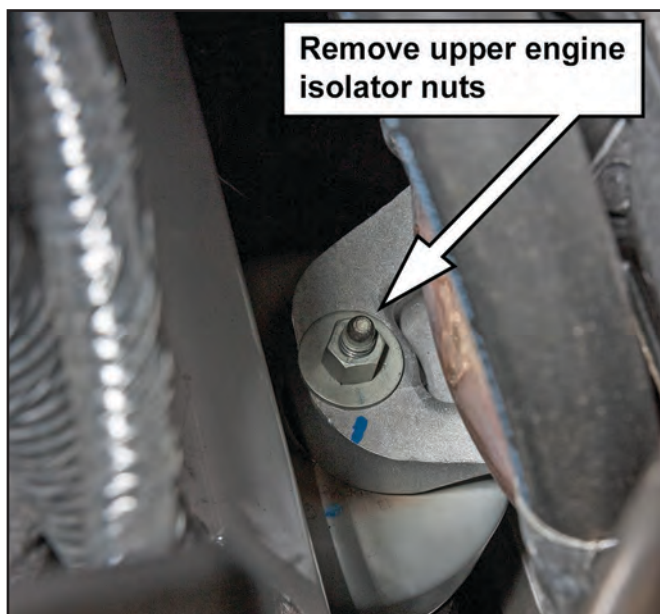


Installation

NOTE: These instructions assume the vehicle is safely supported off the ground.



1. If not already done, remove the two upper engine isolator nuts using a deep 15mm socket (one on each side of car).



2. Remove the two inboard, upper strut mount nuts (and washers if present) from each strut tower.

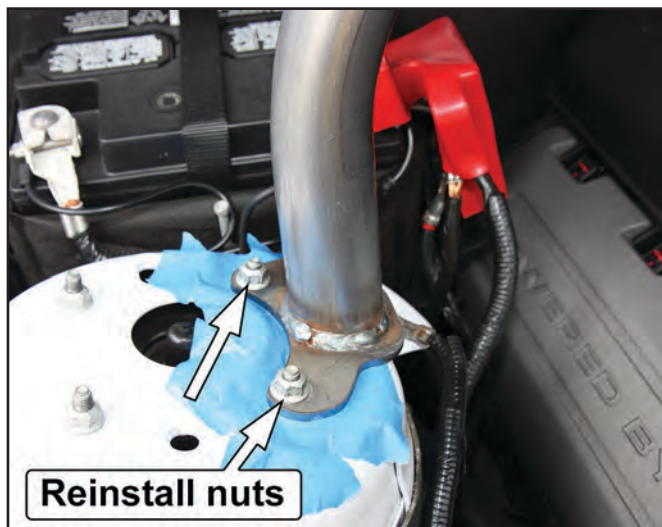


3. If present, remove the strut tower brace.
4. To prevent scratching the paint, place some masking tape on the strut tower, where the engine support beam mounting pads will rest.



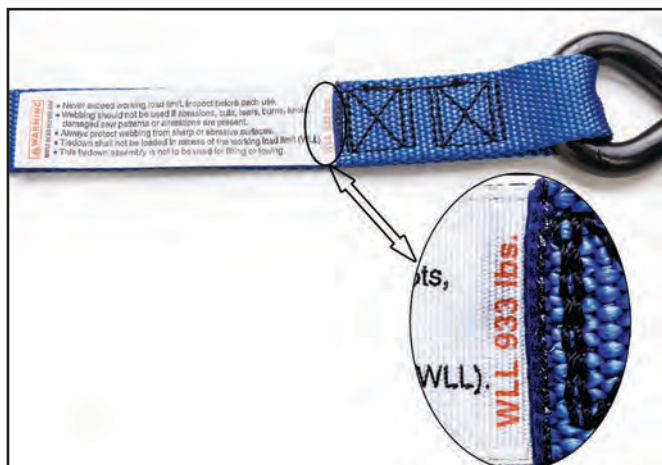
5. Assemble the two halves of the engine support beam and place the mounting pads over the inboard studs of the upper strut mount. The beam is telescopic to accommodate variations in strut tower widths.

- Reinstall the nuts (and washers if present) onto the inboard studs of the upper strut mount. Tighten them to 27 Nm (20 lb-ft).

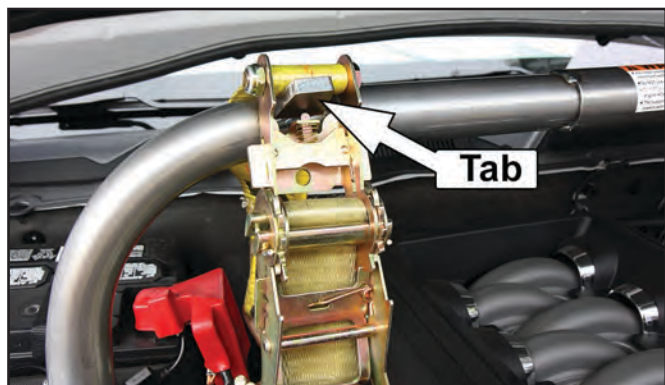


Ratchet Strap Installation

WARNING: The straps must be ratcheting and have a minimum working load limit (WLL) of 600 lb. each.

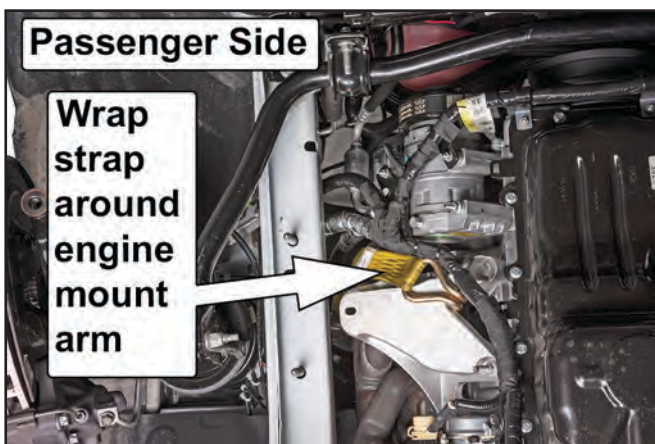
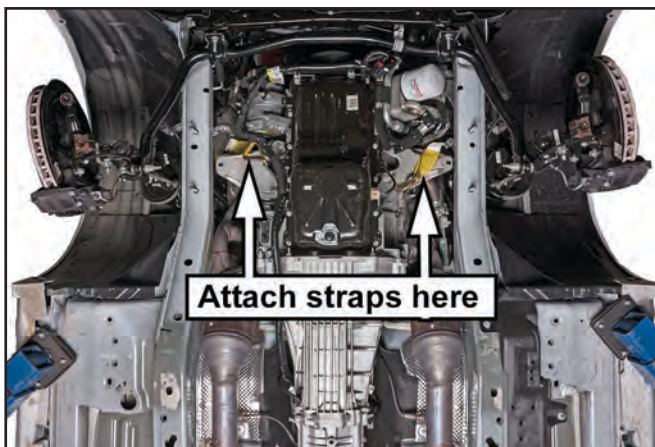


- Starting on the passenger side, take a ratchet strap and hook the non-adjustable end of the ratcheting body onto the tab welded onto the front of the engine support beam.



- Take the adjustable end and route it in front of the engine mount, taking care that it will not pinch any wires or hoses against the engine block when it is tightened.
- Reach up from beneath the vehicle and hook the end of the strap onto the bottom of the engine mount arm.

NOTE: The engine mount arms vary slightly depending on the model/year of the vehicle. Make sure that the hook is firmly attached to the bottom of the engine mount arm.



10. Pull the slack from the strap and lift the engine up ~1/2" using the ratcheting mechanism of the strap.
11. Repeat Steps 7-10 on the driver side of the vehicle.



Removal

12. Once work beneath the vehicle has been completed, loosen each ratchet strap to lower the engine onto the engine isolators.
13. Remove the ratchet straps.
14. Reinstall the mounting nuts onto the top of each engine isolator mount. Torque to 63 Nm (46 lb-ft).
15. Remove the two inboard, upper strut mount nuts (and washers if present) from each strut tower.
16. Remove the engine support beam.
17. Reinstall the strut tower brace if originally present.
18. Reinstall the nuts (and washers if present) onto the inboard studs of the upper strut mount.
 - For Maximum Motorsports camber plates, tighten the nuts to 27 Nm (20 lb-ft).
 - For OEM upper strut mounts, tighten the nuts to 35 Nm (26 lb-ft).
 - For all other upper strut mounts, refer to the manufacturer's recommendations.

