



Part # 33601100 - GT350 Mustang MagneTuner



Recommended Tools



GT350 Mustang MagneTuner Installation Instructions

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Major ComponentsIn the box

Part #	Description	QTY
33601001	MagneTuner Suspension Controller	1
70013237	MagneTuner Mounting Bracket - assembled on MagneTuner	1
31900001	USB Cable	1
99251019	1/4-20 x 5/8" Button Head Socket Cap Screw - stainless steel	3
99253009	1/4" Flat washer - stainless steel	3
02014066	1/4"-20 Nylok Nut - stainless steel	3

Getting Started.....

Required Tools:

13mm socket wrench

1. Remove key from ignition.



2. The OEM control module is located in the Passenger rear corner of the trunk behind the trunk liner.



3. Start by removing the trunk floor cover exposing the spare tire well. This will make it easier to pull the passenger side trunk liner out of the way to access the module.



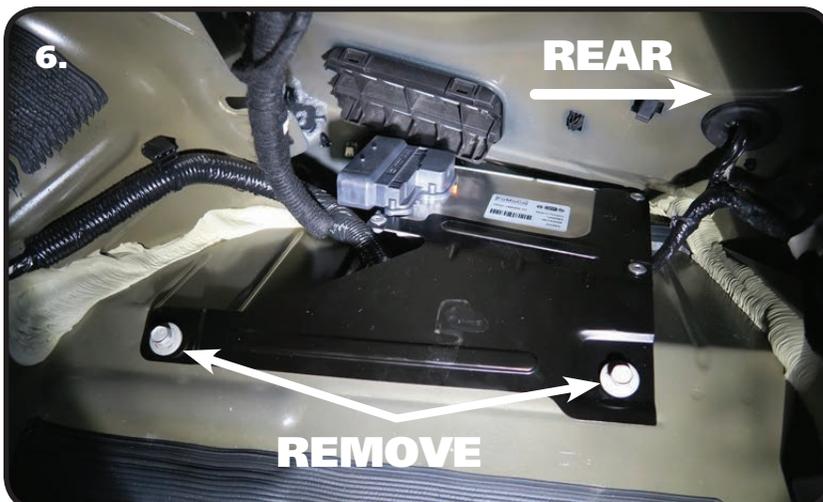
Wheel Well Removal



4. Remove the Black Retainer Plug out of the top of the passenger side trunk liner. This is located at the top of the liner, right below the trunk seal.



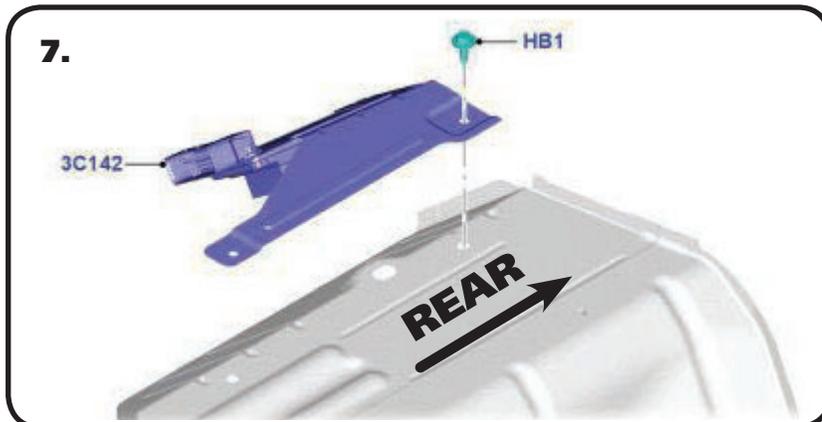
5. Remove the (2) rear panel retainers by threading them off. This will allow the corner of the panel to be pulled forward enough to pull the rear corner of the passenger liner out exposing the control module.



6. Using **Images 6 & 7** as a reference, Remove OEM bracket/controller using 13mm box/socket wrench (remove HB1 bolts). With the OEM Controller/Bracket loose, unplug the OEM controller (3C142) and remove controller/bracket assembly from vehicle. **Push the UNLOCK BUTTON, the connector will pop open. As you open this connector, it will pull the plug out of the ECU. Use light force and wiggle on the ECU and connector as you open the connector.**



MagneTuner Installation



7. **Image 7** illustrates the mounting in a CAD Model, but only shows the rear bolt.

Plugging in the MagneTuner

BEFORE CONNECTING THE MAGNETUNER CONTROLLER, you must lubricate both the MagneTuner connector and the vehicle's wiring connector with NAPA Silicone Spray (8300), WD40, or comparable lubricant.

Check the bottom of the plug to make sure everything is still in place. There is a **WHITE** cover on the bottom, make sure it hasn't popped out of place. If it has, push it back in place.

CAUTION: Check pin orientation before plugging in (note: we have heard it can be plugged in backwards)

8. As you plug the MagneTuner in to the OEM Harness, put light pressure on it as you close the lever on the OEM plug. **DO NOT** rely on the lever to pull it in unassisted.

9. Using original HB1 bolts, re-install the MagneTuner/Bracket in the stock location.

10. Reinstall the trunk liner components in reverse order they were removed.