



1959 Magnetic Body Mounts Assembly Instructions

Disclaimer

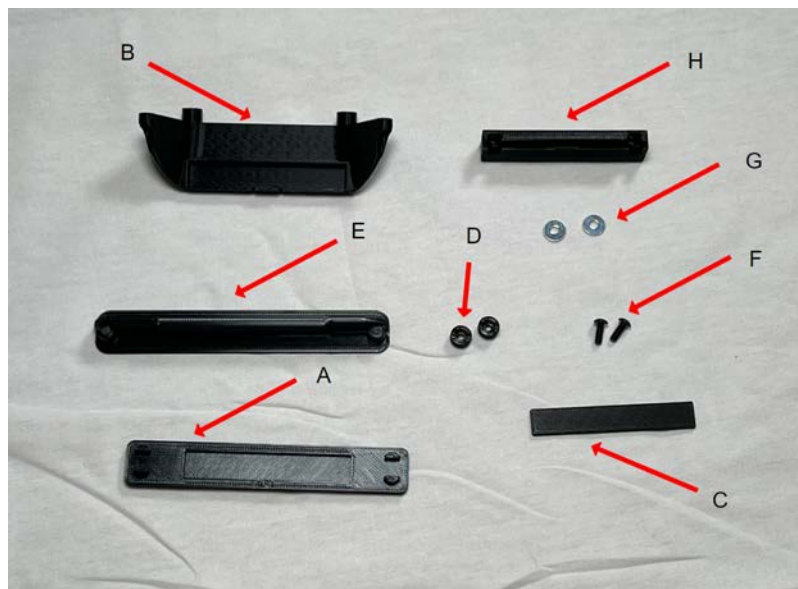
This kit contains 3D printed parts that have been specifically designed to support your vehicle's body using magnets. With that being said it's important that you refrain from bending and manipulating the parts since they are thin and have little support until the magnet is set into place. Once the magnets are installed, these parts will be plenty strong for this application. It should be noted that the magnets can fit a bit loosely within the mounts depending on the manufacturer's dimensions. The mounts are designed with this in mind and will hold the magnet in place regardless of the difference in size.

Parts/tools needed to complete the assembly

- 4 magnets will be needed with the dimensions of 60x10x3mm. We recommend using the magnets that are linked below.
- <https://www.amazon.com/LOVIMAG-Powerful-Neodymium-Magnets-Rare-Earth/dp/B08L3FVFFZ>
- 2mm hex screwdriver
- Phillips PH1 screwdriver

Parts included in the kit

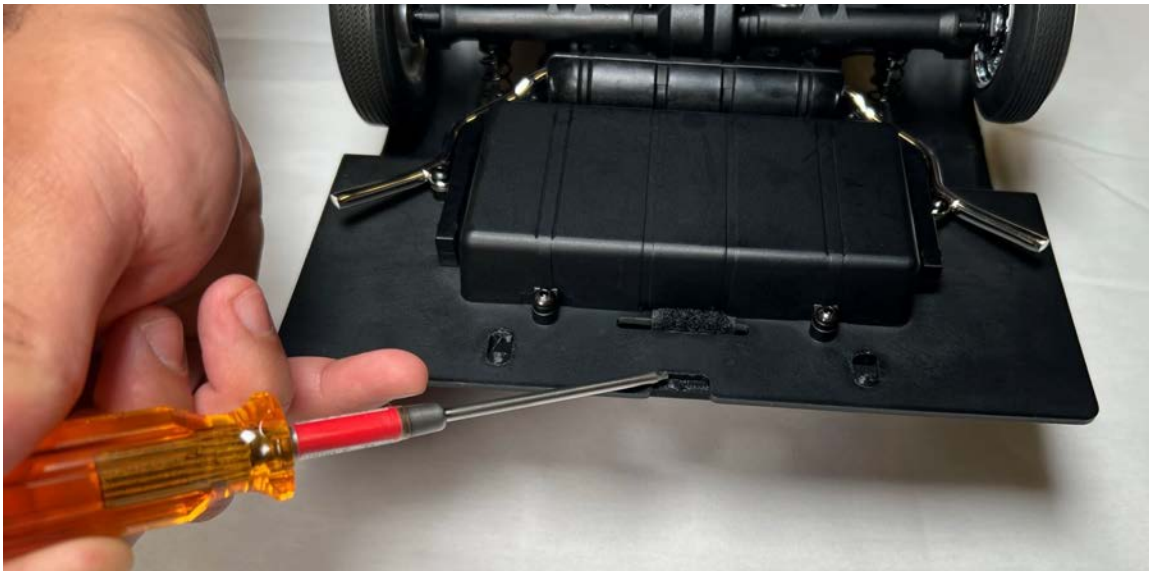
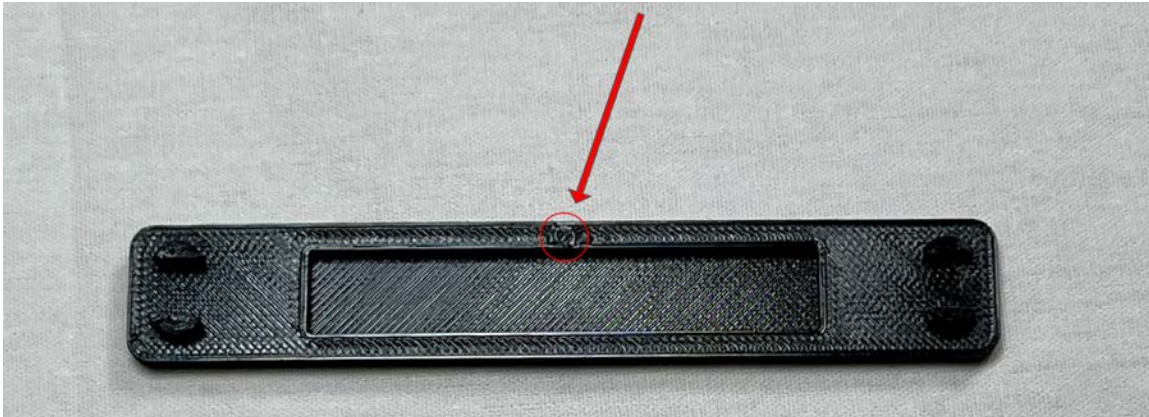
- A) 1 pc Rear Chassis Mount
- B) 1 pc Rear Body Mount
- C) 1 pc Rear Magnet Cover
- D) 2 pc Rear Spacer
- E) 1 pc Front Chassis Mount
- F) 2 pc m3x8 button head screw
- G) 2 pc Washers
- H) 1 pc Front Body Mount



Chassis Mount Installation

Rear Chassis Mount Installation

The first part that will be installed is the rear chassis mount. Start by taking the part and identifying the marking that is above where the magnet will sit. This marking will need to be pointed towards the rear of the chassis when it's installed.



Next, take the 60x10x3mm magnet and place it within the empty slot of the part (the orientation does not matter at this point however, orientation will need to be taken into consideration for the body mounts).



After the magnet is placed into the mount, it can now be installed onto the chassis. Take your index finger and place it over the middle of the magnet and place your thumb over the middle of the flat side of the mount. Now pinch the parts together (this is to ensure that the magnet will not fall out during the installation process).



While holding the mount and the magnet together, take one side of the mount and align the clips with the hole which was previously used for the rear body posts. **Remember to keep the marked portion of the mount facing towards the rear.** With your free hand, apply equal pressure on the flat side of the mount opposite to where the clips are located until there is a click which indicates that the mount was seated properly. **When installing the clips into the chassis it's recommended to go slow.**



While pressing down on the mount with your thumb you can now remove your index finger making sure that the magnet does not fall from the slot. At this point you can switch hands so that previous steps can be repeated to install the remaining clip.



Front Chassis Mount Installation

First, we will install the magnet into the front chassis mount. Take a 60x10x3mm magnet and insert it into the empty slot of the mount. It's best to start with the magnet pressing against the tab of the mount and sliding it until the tab overcomes the magnet as seen in the pictures below.



After the magnet is properly seated, the mount can be installed onto the chassis. Start by locating the M3x8mm screws and the washers from the kit. This hardware will be used to secure the front chassis mount using the existing holes from the stock front body posts. Next examine the shape of the front chassis mount. It should be noted that on one side there is a flat surface which needs to be facing the front of the chassis when the mount is installed. With this in mind

place the front mount in the orientation that matches the picture below. Make sure that the lip of the front chassis mount is flush with the front face of the chassis.



Now place the washers onto the screws and drive them into the front chassis mount. Do not tighten them all the way just yet. Perform one last check to see if the mount matches the pictures seen above. If they do not match the pictures above then adjust them and tighten the screws. **DO NOT OVER TIGHTEN!!! This can cause the part to strip and jeopardize the holding strength of the mount.**



Body Mount Installation

Rear Body Mount Installation

As stated in a prior section, the magnet orientation must now be accounted for since the magnets for the body and the chassis need to connect with each other. Start by taking a 60x10x3mm magnet and placing it over the installed rear chassis mount. Make a note on what side the magnet attracts to (It's recommended to mark the side that connects directly to the rear chassis mount with a permanent marker).



With the magnet marked, place it in the rear body mount making sure that the magnet is sitting flat. If the magnet was marked as described previously, the side that does not have a marking should be facing up within the mount. Double check and take the mount with the magnet installed and place it on the rear chassis mount. If the rear chassis mount and the rear body mount repel each other, then flip the magnet in the rear body mount. If they are attracted to each other, then move onto the next step.



Next take the magnet cover and install it onto the rear body mount. Take the lid and insert it up against the wall where the tab is. Once that side is inserted, press the back half of the lid into place which will make the lid fit flush with the outside surface.



Remove the four rear screws of the FiftyNine body which secures the original rear body mount to the bumper. Next remove the two screws of the taillight assembly that are marked in the picture below (make sure to keep all the screws in a safe place since they will be used later in the installation process). Now install the spacers which will go on the last two posts that hold the bumper which can be seen in the picture below.



Install the rear body mount using the original screws from the taillight assembly and the middle portion of the rear bumper. Use the remaining screws to fasten the posts that have the spacers installed. A picture of the installed rear body mount and spacers can be seen in the picture below.



Front Body Mount Installation

Remove the two screws that hold the front body post to the front bumper (set the screws aside they will be used to secure the new mount). Next, install the front body mount with the screws while having the thin wall side facing away from the front bumper. Make sure to have the tab of the front body mount facing towards the hood of the body.



Take a 60x10x3mm magnet and place it onto the front chassis mount. Make a note on what side the magnet is attracted to the front chassis mount (again it is recommended to mark this side with a permanent marker).



Insert the marked magnet into the empty slot of the mount having the marked side facing away from the front bumper. It's best to start with the corner of the magnet pressing against the tab and sliding it until the tab overcomes the magnet as seen in the pictures below.



Congratulations the mounts have been fully installed! When placing the FiftyNine body onto the chassis, attach the front first and swing the rear onto the chassis mount. To remove the body, take the rear off first and swing it towards the front to take it off from the chassis mount. Make sure when the body is put on to the vehicle that the fenders clear the chassis.

