

Rally Armor Mud flap Mounting Instructions – 2004-09 Mazda and Speed 3

Please read the instructions thoroughly before attempting to mount your mud flaps. Rally Armor always recommends professional installation. For high resolution images please visit our mounting instructions area on <http://www.rallyarmor.com>

To protect and extend the life of your Rally Armor mud flap set, care must be taken during parking and reversing. Each mud flap set contains 4 flaps for all four tires of the vehicle. Front mud flap (4 holes) - Rear mud flap (3 holes) Your mounting hardware has been checked at our facilities.

It consists of:

- 8 Polygon Edge Clips (Item PoICl)
- 4 Round Edge Clips (Item RoICl)
- 14 Washers (Item FenWash)
- 12 Short Stainless Steel Screws (Item 1SS)
- 2 Long Stainless Steel Screws..... (Item 1.5SS)
- 2 Inserts..... (Item HMF-7)
- 2 Rear Spacers..... (Item .5SP)
- 2 Rear "L" Brackets..... (Item RBRKT1)

Recommended tools: Phillips Screwdriver (short and **offset/ratcheting** Phillips), flat head screwdriver, pliers, drill & drill bit set and marker.

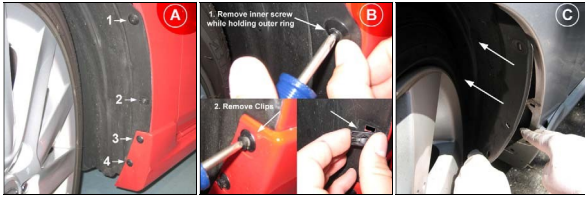
Cautionary Tip: The hardware is quite strong and self threading but over-tightening the clips beyond their limit is not recommended.

Front Mud Flap Installation

Step 1) Begin by parking the vehicle on an even surface. Turn the steering wheel towards the side you are working on to gain access to the wheel well area.

Step 2) Remove the 4 wheel well clips (#1-4) that secure the fender liner to the vehicle (Figure A).

Tip: To remove clips #1, #3, and #4, unscrew the inner plastic screw and remove the complete assembly by prying the outer ring. To remove clip #2 remove inner screw and pry the complete assembly off the fender liner using a flathead screwdriver or pliers (Figure B). Pull liner away from the body of the vehicle as to gain access to the inner areas and the liner (Figure C).



Step 3) Place 3 Polygon clips (Item PoICl) over the mounting points on the inner fender area. Clips #3 & #4 install behind the side skirt. Place fender liner over polygon clips. On clips #3 & #4 place liner portion between side skirt and clips (Figure D).

Tip: The clips may shift during the liner installation. Using a small screwdriver or pick you can realign the clips behind the liner.

Step 4) Place front mud flap against the vehicle with logo side facing the rear and the outer edge mounting holes of the mud flap aligned with the corresponding holes on the vehicle. Place short screw (1SS) into a washer (FenWash) and the washer/screw into the corresponding mounting point in the flap (**note: the side skirt edge must pass through**). Thread screws into holes #2, #3, #4 until slightly snug. **"Do not fully tighten."** You will need to **adjust the mud flap before final bolting** (Figure F).



Step 5 Align your mud flaps by walking away to view the mud flap from the rear of the vehicle. Confirm the edges of the flap are **perpendicular to the ground**. If needed, make slight adjustments by shifting the upper/lower portions of the flap. Always check each adjustment by walking away from the vehicle and assessing the mud flap in relation to the ground and the body of the vehicle. When flap is **correctly aligned**, tighten hardware **only until snug** (Figure G).

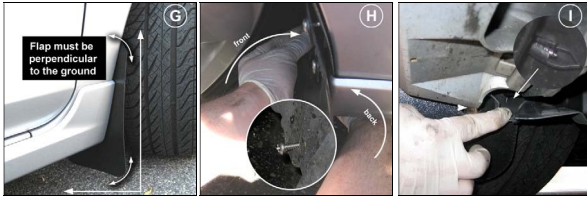
Tip: The hardware is quite strong and self threading but over-tightening the clips beyond their limit is not recommended.
Note: The inner well of the MazdaSpeed 3 lacks an OEM mounting point to accommodate a wider, more protective mud flap therefore a mounting point must be created.

Step 6 Using the center of the inner mounting point (point #5) of the flap as a guide, place sharp tip of screw against the side of the liner facing the tire with Phillips screwdriver. Place your other hand behind the liner from under the vehicle to provide resistance and perform a few firm turns to pierce the liner as shown (Figure H).

Tip: As an alternative, you can mark mounting point #5 first with a marker then remove the flap and pull the liner towards you (turning the steering wheel to the opposite direction to allow for more room to work) to ease the process of piercing the liner. Realign mud flap when utilizing this method.

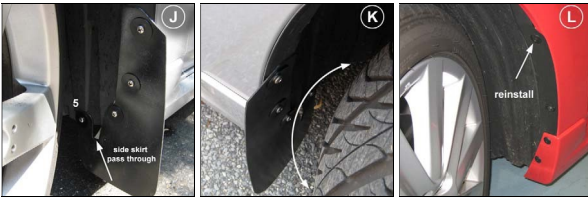
Step 7 Place short screw (1SS) and washer (FenWash) through the mud flap mounting point you have created. Turn screw until the tip is **just visible** on the liner side facing the rear of the vehicle.

Step 8 Pull back liner enough to gain access and place an insert (HMF-7) over the tip of the screw and hold against the body of the liner while continuing to bolt **only until snug** and insert is flush against the liner (Figure I).



Step 9 Confirm all hardware is properly installed and the insert is straight within the recess of the vehicle.

Note side skirt tip clearance to prevent mud flap curvature (Figure J). Check wheel clearance (as wheel offsets vary) by turning the steering wheel from lock to lock **slowly** - watching for adequate clearance between flap and tire (Figure K). Reinstall clip #1 previously removed (Figure L). Do the same for the other side and front installation is complete.



Rear Mud Flap Installation

Important Note: The MazdaSpeed 3 mud flap application utilizes two mounting points that are riveted closed from factory. In order to install the rear mud flaps, the rivets must be removed using a drill. This process can be performed without rear tire removal although some users may find it easier to remove them. **Tip:** The vehicle can be jacked up so as to avoid removing the tires. This will lower the wheel allowing for better access to the inner wheel well area.

Step 1 Drill out and completely remove the two rear factory rivet points # 6 and #7 (Figure M). **Tip:** You can start with a smaller diameter bit and gradually work towards a bigger size in order to prevent the drill bit from walking.

Step 2 Working under the rear of the vehicle, remove the liner attachment bolt using a Phillips screwdriver (Figure N). Moving back towards the area where the rivet points were removed, move the inner liner plastic bracket located behind bumper enough to allow you to place the rear portion round edge clip (RoC) over the bracket as follows (Figure O). **Tip:** There are two slots on the round edge rear installation clip. The outer slot is for the bumper while the inner opposite slot is for the liner/bracket area.



Step 3 Place the outer edge of the clip over the bumper aligning mounting points #6 & #7 and reinstall liner into the cavity of the bumper (Figure P).

Step 4 Place rear mud flap with logo facing the rear bumper. Place short screw (1SS) through washer (FenWash) then through corresponding mud flap mounting points #6 and #7. Hand thread into the round edge clips (Figure Q).

Step 5 Moving to the rear of the vehicle, install the rear mounting bracket (RBRKT1) using the OEM bolt previously removed. **Tip:** Leave OEM bolt slightly loose in order to ease final installation (Figure R).



Step 6 Slide a polygon clip (PoIC) over the side of the rear mounting bracket (Figure S).

Step 7 Place round spacer between mud flap and mounting bracket aligning the hole of the polygon clip with the spacer. Hand thread a long screw (1.5SS) through a washer (FenWash) then through mud flap, spacer (.5SP) and into polygon clip. Do not bolt fully. Allow movement in order to align mud flap (Figure T).

Step 8 Step away from the vehicle and adjust rear mud flap until perpendicular to the ground. Shift mud flap until aligned then tighten all screws until snug (Figure U). **Tip: The hardware is quite strong and self threading but over-tightening the clips beyond their limit is not recommended.** Repeat the instructions for the passenger side of the vehicle to complete installation.

