

RALLY ARMOR
INSTALLATION INSTRUCTIONS

Rally Armor 2008+ Subaru Impreza 2.5i/WIXX –Mud flap Mounting Instructions.

Please read the instructions thoroughly before attempting to mount your mud flaps. Rally armor recommends following proper safety precautions when installing your mud flaps. Rally Armor always recommends professional installation.

Your mud flap set contains 4 flaps total *2 front (2 mounting points) and *2 rear (3 mounting points).

Your mounting hardware has been checked at our facilities. It consists of:

4 Round Edge Clips for the front.....	(Item R6C)
6 Polygon Edge Clips for the rear.....	(Item PolCI)
10 Washers.....	(Item FerWash)
6 Short Stainless Steel Screws (used for Rear).....	(Item 1.5SS)
4 Long Stainless Steel Screws (used for Front).....	(Item 1.5SS)
2 Rear Spacers.....	(Item 1.2SP)
2 Rear Clamps (for drill-less installation).....	(Item RRCMFWIX)
2 Front brackets (if kit sets only).....	(Item RWRK008)

Recommended tools: Phillips screwdriver (short and/or offset Phillips) - Flat head screwdriver.

For the rear wheel area there are two options available:

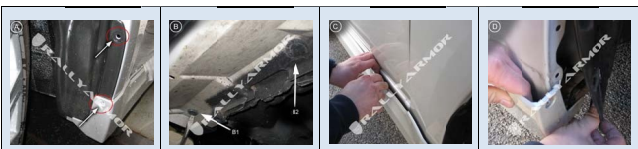
- **Option #1** (Drill-less): Rubber mallet or hammer for clamp, (optional- can of rubberized undercoating or equivalent) - if using clamp installation method for the rear.
- **Option #2** (Extra secure Rear drill installation recommended for competitive driving, light off road or lowered vehicles): Drill (Phillips driver) 1/8" or smaller drill bit if using full secure installation method.

Front Mud Flap Installation

Summary- In this section you will:

- Remove the stock clips that attach the fender liner (front of side skirt) to the vehicle.
- Separate the liner from the body of the vehicle.
- Place clips over the mounting holes.
- Replace liner/side pieces
- Align and bolt mud flap on the vehicle using hardware.

Start: Begin by turning the steering wheel all the way towards the side you are working on and remove the stock fender liner clips from the vehicle (Figure "A" below). For vehicles equipped with a side skirt piece (Figure (B)), remove the first two plugs underneath the side skirt. The clips can be removed by unscrewing (B1) or prying (B2) the inner piece out first, then prying the whole assembly out of the side skirt area. To gain access to the area behind the fender liner, the front portion of the side skirt will temporarily need to be detached slightly from the vehicle. Starting from the front end of the vehicle, slowly pry the side clips out by gently separating the skirt (Figure "C" below) from the body, they will detach individually as you work your way towards the rear of the vehicle. Only the first few clips are required (enough to gain access to the wheel well area and pull back the fender liner (figure "D" below) is needed).



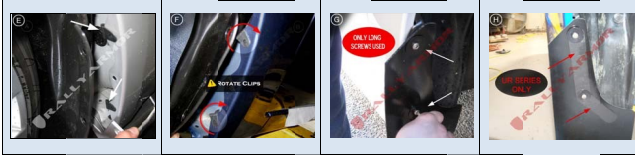
Tip #1: Be careful not to tear the wheel well plastic, especially the upper regions where it meets the fender. It tears easily if mishandled.

Tip #2: To Remove the various clips on the vehicle:

<p>For the fenders with screw type head strips, unscrew the inner screws enough to unlock the clips and pry the clips out. The clips are not meant to be removed. They are only used to hold the clips in place.</p>	<p>For the side skirt (not type assembly usually found on the side skirt) pushing the rear portion in with a small jack or screwdriver, will unlock the assembly and allow it to be removed.</p>
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Place the round edge clips (term# RoC) over the two mounting holes (Figure "E" below). The middle hole is NOT utilized. In order to allow close/flush mounting of the fender liner, you must rotate the clips upwards (for both sides of the vehicle) before replacing the liner (Figure "F" below). Replace liner and side skirt back to original state, place front flap against mounting holes (logo facing backward) and hand thread a washer/longer screw assembly through the flap, then into the mounting slot (Figure "G" below). Adjust the mounting clips with the tip of the screw if needed to aid in aligning the mounting hole through the liner if it has shifted. **For the UR series only** place bracket between washer and flap before mounting (Figure "H" below)

The hardware is very strong and self threading but over-tightening the clips beyond their limit is not recommended.



TIP #4: You must align flap before final bolting. Rally armor recommends adjusting the mud flap, walking away from the vehicle to confirm desired position and then performing the final bolting. (Figure "I"), Front Installation Complete (Figure "J")



⚠ Rear installation: Please read this entire section below very carefully and review the 2 mounting options available before proceeding.

Rear Mud Flap Installation

The lack of a rear inner mounting point to accommodate a wide mud flap on your Impreza necessitates either:
 - A mounting assembly to be added to this Impreza (Option #1) - Easiest option
 - A hole to be created on inner wheel well for a reinforced mounting solution (Option #2). - More secure option

Option #1 Rear Mud Flap Installation- Clamp method

In summary, you will be:

1. Placing the clips on the outer two holes of the rear bumper.
2. Securing on a clamp on the inner wheel well area.
 - a. (optional but recommended) Coating rear clamp with undercoating.
3. Placing mud flap on vehicle, hand threading mounting hardware.
4. Allgning and adjusting rear mud flap until perpendicular/even with vehicle and ground.
5. Final bolting of rear mud flap.

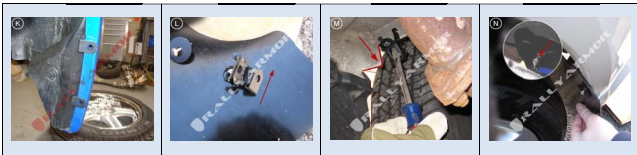
Start: Place two polygon clips (Item PoCI) over the two outer mounting holes (Figure "K" below). Place polygon clip over mounting arm as shown (Figure "L" below). Align clamp (Item RRCLMPWRK) with clip facing forwards right next to the visible indentation on the body (the arm swivels should you require). Place clamp right next to the red outlined portion (See Figure "M" below) and hammer with a mallet upwards until flush with body (see tip #5, #6 and #7). Bolt the mud flap up using all mounting points and short screws (utilize lower inner rear mounting point on flap for the clamp), until washer meets the flap, but allows for slight adjustment (Figure "N" below). When correctly adjusted, (Figure "O" below) fully tighten down all 3 bolts to complete installation (Figure "P" below).

TIP #5: You can place the mud flap temporarily against the bumper to familiarize yourself with the mounting point before installing the clamp. Your flap is designed to mount properly when placed right next to first indentation in the wheel well.

TIP #6: To avoid hitting the clamp directly, it is recommended that a flat head screwdriver be placed within the clamp and the handle is used as the striking point. After hammering, the clamp will embed itself into undercoating & body of the vehicle.

TIP #7: The steel clamp is the only non stainless component of your hardware and has been coated with a rust resistant coating from our facility. To help prevent potential surface rust, spraying additional undercoating spray over the clamp & area surrounding is recommended before completing the installation. This extra step helps to protect the surface of the clamp and assist in reinforcing the area when fully dried (usually about 15 minutes to touch). The spray is readily available in most auto parts stores and can also be added after the installation as well.

TIP #8: An offset or ratcheting screwdriver is recommended as it allows you to complete the installation with the narrow clearance between the tire and the body. Alternatively, you can jack the rear portion of the vehicle up and allow the rear tire to drop to ease access without tire removal.



The hardware is very strong and self threading but over-tightening the clips beyond their limit is not recommended.



Option #2 Rear Mud Flap Installation- More Secure method

Although an additional step in the mounting process, this option is recommended as more of a secure way to mount your rear flap on the vehicle. This is most useful for lowered/tracked/rally and extreme conditions. The mud flaps feature an additional rear "upper" mounting point that will allow you to mark and drill a mounting point inside the rear wheel well of the vehicle.

In summary, you will be:

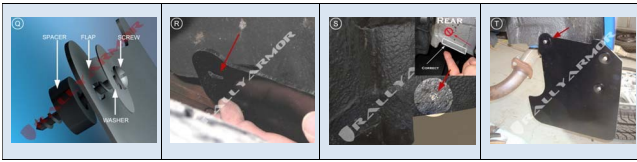
1. Bolting the mud flap on the rear bumper by utilizing the two outer holes, aligning the mud flap so that it is exactly perpendicular to the vehicle and ground.
2. Raising and securing the vehicle, and removing tire/wheel.
3. Placing the hardware on the rear upper mounting point, bolting mud flap using two outer holes and properly aligning it first.
4. Marking the appropriate pilot-hole area.
5. Drilling a smaller than the screw pilot-hole on the mark you created.
6. Bolting the screw through the new pilot hole created with all the hardware completing the installation.

Start: Mount the rear flap utilizing the two outer mounting points on the vehicle by placing the polygon clips over the rear bumper mounting holes, and mounting to your vehicle via the short screw/washer combination. (See Figures "K" and "N" in Clamp method above). You must align flap until perpendicular to the vehicle/ground, and tighten bolts until snug.

TIP #9: While drilling the pilot point for mounting point, confirm that the area opposite to where you are creating the point is clear and in the tabbed area projecting out of the vehicle

TIP #10: Rally armor recommends adjusting the mud flap, setting away from the vehicle to confirm desired position and then performing the final bolting. *It is recommended you verify the alignment is correct multiple times before creating mounting hole as this will be not be adjustable after the hole is created.*

Place screw, washer through flap, and 1 spacer on the other side of flap (see Figure "Q" below). Push inner portion of flap and mounting pieces against flush against vehicle body (see Figure "R" below- *note screw/assembly not shown in image*). The tip of the screw will be pushed up against body when flush. **Place a mark where tip of screw meets the body.** The tip of screw can be utilized by pushing it in as it will leave a mark in the undercoating if needed. Pull flap back away from drilling area as to not interfere with this part of the process. Create a 1/8" or smaller pilot mounting hole on the mark you have just created (Figure "S" below). Place the screw/washer and spacer combination again through flap (Figure "Q" below) and fasten the assembly into the hole you have created. The threads will work their way into the smaller hole and will tighten the entire assembly into the body, and fasten all screws only until snug. (Figure "T" below)



Rear installation is now complete.



Repeat the Installation for the other side of the vehicle to complete your installation.