

## Installation of the Universal Mount



Congratulations on purchasing your own Aegis Air Spoiler. We greatly appreciate your business and are excited that you have taken the next step in truly "Changing the Ride." We have designed this system to have the capability to fit multiple widths and roll bar diameters for most machines on the market today. The Universal system is highly durable and offers numerous options for adjustments for multiple applications. This system has been tested in very strong windy conditions and freeway speeds. *We do however, recommend that either the spoiler is tilted down to prevent resistance or that the spoiler is removed with open trailering and freeway speeds.* This can be done simply with the removal of two bolts and a quick removal of the spoiler. The support arms can be lifted off and stored for your travel.

*Please remove all items from their individual boxes and make sure there is no damage in shipment. Any damage should be reported to Aegis immediately. We recommend that you read through the instructions first and view installation videos to understand the basic concepts and functionality of your system.*



1. Install the arc unions  and mount them to the spoiler with the included  $\frac{1}{4}$ "x  $\frac{3}{4}$ " Truss Head screws and  $\frac{1}{4}$ " nylon lock nuts. Position the spoiler facing down so you can view the underneath portion of the spoiler. Locate the three designated holes and place the curved arc unions on top. The circular keyhole union of the arc will be placed facing the lower backside of the spoiler. Place the truss head screws through from the top side of the spoiler so the finished heads of the screws will be displayed on the facing outside of the spoiler when mounted. Secure with lock nuts in all six holes (3 on each side) and ***be very cautious to not tighten too tight!*** These bolts are actually designed to have the tops pop off in case of limb contact in-order to prevent major structural damage to your air system. For this reason, there is one extra nut that is included in the hardware package.

2. It is advised to lay out your Aegis Air Spoiler in a manner that represents the top photo. This will give you further visual clues to how the system should look upon completion. You can now start to mount the adjoining



support arms  that have a twist in the top. You will mount these support arms by installing the  $\frac{3}{8}$ " x  $1\frac{1}{2}$ " carriage bolt and nylon lock nut in the top hole of the support arm and through the circular keyhole union



of the arc union.  Do not over tighten as you will need to adjust and rotate while mounting this on your UTV for final angle adjustment. When mounting the support arms to the arc union, you will want to mount

the support arms on the inside of the arc union. You want both sides to match so make sure that each support arm is mounted the same on each side.

3. **Set the spoiler assembly aside for now**, continue by assembling the universal telescoping bar. There are three

key parts to this assembly. You have two end bars  and a center bar



design to hold and mount the support arms and spoiler assembly. Gently insert the two end bars into each end of the center bar design and adjust evenly the spacing for each side. The middle aegis decal is a reference point for the positioning of the center. The center bar design is constructed with set screws for each side to firmly tighten once desired positioning is construed. We suggest again that you lay out your bar assembly in a manner that represents the top photo to make ease of assembly more simplistic. Once the bar is



temporarily intact, you can begin to locate and install the end billets to the end bars.



. If your roll bars are at a slight angle in any direction, we have included two plastic angled washers to be placed between the tabbed billet side, and the end bar. You can insert the carriage bolt down from the top of the billet, through the plastic washer and finishing through the end bar, to which you would secure with the nylon lock nut. This angled washer is designed to take out the angle and stress on the mounting positioning between the billets and the end bars when mounted at an angle. If there is no angle, you still can use the washer or just mount the tabbed billet directly onto the end bar.

To complete this step you will need to locate the hardware package and separate billet parts to begin the install



for the mounting billets. The billets will come in four parts, two end billets and two carriage bolt notched tabbed billets, as seen in the previous photo. When installing the billets it is recommended to only install one side of the billet with the included 3/8" x 1 1/2" carriage bolt and nylon nut. When installing that one side, do not tighten the bolt all the way down, leave pretty loose so you have enough spacing to mount to the roll bar. This is because when mounting to the machine, you will need one side of the billet open so you can slide around the designated roll bar to secure your mounting position. Once the billets are partially installed and together, you can mount the tabbed portion of the billet end to the actual end of the two telescoping bar ends.



You will want to tighten loosely so positioning can be achieved and rotated while finalizing your mounting of the whole unit. Included in the kit are 2" rubber sticky backed pieces to be placed on each side of the inner sides of the billets to protect your roll bar. Install before mounting to roll bar.

**4. Mounting the Telescoping Bar:** It is our recommendation that you have a helper for this part. Mounting the telescoping bar assembly is critical in determining the correct height that you will want for your air spoiler. Remember when mounting the bar, the support arms attached to the spoiler have four holes for adjustment as well. In addition to the three holes of adjustment that the center bar design has, this allows for a large variance of height adjustment. It is important that you make sure that you don't mount the telescoping bar assembly too high to where the highest hole on the support arm will not fit into the lowest hole on the center bar design. **Manufacturer recommendations are to have the leading front edge of the spoiler to only be about 2-3 inches maximum above the roof line, and set at an approximate angle of 30-40% to capture as much air as possible; so adjust your telescoping bar and support arm length accordingly.** Once this location is determined, you can begin to tighten the billets to secure the bar. Depending on your machine and set-up, our billet design is developed to either mount directly (in-line), straight across, left to right from the roll bars, or (off-

set), which is where you shift the tabbed portion of the billet actually angled or perpendicular to the left and right sided roll bar to give you an additional couple inches of clearance behind the seats if needed. You can now grab the spoiler assembly and drop the attached support arms in the support arm brackets on the center bar design. Determine what hole placement on the center bar design, and which hole corresponds with that on the support arm to give you that desired height for your spoiler. This air system is designed for placement on machines with or without a roof, so adjust the recommended height accordingly. Once determined, use the included carriage bolts and lock nuts to mount and tighten the spoiler assembly to the telescoping center bar brackets. **Once the spoiler is angled and positioned correctly, it is very important to make sure, if possible, that the support arms are leaning toward the roof and not leaning out and away from the machine. This secures more integrity to the support arms as they are subject to a lot of resistance and vibration. You can determine this by looking at the assembly from the side of your machine and determining if the support arms are leaning in the right direction.** Once this is determined, complete the install by securing down the set screws firmly on the telescoping bar. This will prevent slippage of the spoiler angle and lean of the support arms. Continue to firmly tighten all bolts and hardware at each step of install to confirm safety and effective mounting. It is also suggested that after the initial ride or testing of your unit, that you re-tighten all hardware and set screws to secure any loose fittings, as to reduce further vibration and potential damage. Install is complete.

Please enjoy your Aegis Air Spoiler; we are confident it will “Change your Ride.”

**Indemnification:**

*You agree to indemnify, defend and hold harmless Aegis air Spoiler, its officers, directors, employees, agents and 3<sup>rd</sup> parties, for any losses, costs, liabilities, damages, and expenses (including Aegis air Spoiler in asserting any available defenses.) You further agree to indemnify Aegis Air Spoiler from any or all injuries that might arise through the use of any Aegis Air spoiler products.*

**Disclaimer:**

*Aegis Inc. warranties our products from defects in materials and workmanship for a period of 30 days. With proper installation, we know that the Aegis Air Spoiler dramatically reduces dust and dirt build up in the rear cargo areas and greatly reduces that “billowing affect” of dust coming in from behind the vehicle. Keeping this air moving on out behind the vehicle greatly reduces this “tailing dust” from coming back into the cab. However, most of the vehicles are open cab vehicles. Some have doors, some do not, some have sealed bottoms and various roofs and some do not. Therefore, Aegis Inc. does not warrant that the Aegis Air spoiler will remove “all” dust from the cab or even that it will remove every speck of dust/dirt from the cargo area. Aegis Inc. will only honor returns for defects in materials or workmanship for the first 30 day period. The Aegis Air Spoiler systems have been tested and used in all sorts of outdoor conditions. Our tests have rendered significant improvement in the areas we have discussed; however, Aegis Inc. is unable to control your particular situation and therefore Aegis Inc. is not held liable or accountable for individual results that you may have. Aegis Inc. is confident that the improvements in “your ride” will be well worth the investment.*

