

# FACTORY WINGS

## INSTALLATION GUIDELINES

### TEST FIT THE SPOILER BEFORE PAINTING OR DRILLING ANY HOLES

#### STEP 1 Painting Instructions

##### **Materials Required:**

200/400/600 grit Sandpaper, Primer, Prep solvent, Body Filler

##### **Painting Instructions:**

Always wipe clean with prep solvent before doing sanding to remove any “mold release” or wax. Failure to do so will result in poor paint adhesion. Sand part with 200 sandpaper. Inspect surface for any imperfections. Apply one coat of primer. (Check with your supplier for a good filling primer.) Fill any imperfections with spot putty (small ones) or body filler (large ones). Apply more primer and sand with 400/600 sandpaper. Now re-inspect surface for any additional imperfections. Part is now ready for paint. Apply paint per manufacturer specifications.

##### **NOTE:**

**Do not fill in the vent holes on the underside of part.  
Do not blow air into this hole, as it will damage part.**

### READ THIS BEFORE INSTALLING

#### STEP 2 Installation Instructions

##### **Material Required:**

Electric Drill  
Phillips screw driver  
1/16 & 5/16 Drill bit  
Masking tape  
Touch-up paint or a rust inhibitor  
Rust proofing paint  
¾” Unibit (Step drill bit)  
Silicone & Alcohol  
Measuring Tape

##### **Light Installation**

Razor blade  
Needle nose pliers  
Electrical tape  
Cable ties  
Terminal pliers

#### Getting Started

##### **1. Brake Light**

Place brake light on spoiler and drill holes for screws or 3M light in place. Brake light will come with necessary hardware. To feed wire through spoiler may need hanger curved like a hook to pull wire through the pre-drilled hole, underneath pedestal.

NOTE: Hole may be enlarged with a unibit.

##### **2. Prep Trunk**

Use alcohol to clean all dirt and wax off areas where the spoiler will be mounted, especially any part using 3M tape to adhere to quarter panels.

##### **3. Gasket & Hole Locator**

Hole locators may be displayed two types “A” and “B”

Type A locator – insert plastic hole locator

Type B locator – tape cardboard strip onto spoiler

Use masking tape to hold them in place, as they tend to fall out.

##### **4. Positioning Spoiler**

Position the spoiler in the most suitable location on the trunk lid. Measure and verify that the spoiler is symmetrical from all angles. (Do not rely on factory holes.) Using masking tape, secure hole locators to trunk. Carefully remove the spoiler leaving the hole locators in place on the trunk lid.

### 5. Drilling

Drill a pilot hole (Using 1/16" drill bit) through the holes of the locators. Piercing on the first layer of metal, remove hole locators. Drill a pilot hole for the brake light wire. (Estimate the best location by measuring from hole to hole and best entrance in the trunk lid not showing wire.)

Widen the pilot holes using a 5/16" drill bit. Then drill a 1/4" hole. Depending on the trunk structure, you may have to pierce through trunk cavity through the second layer. (Do not pierce second layer of trunk lid for the wire.) Use the unibit to clean metal burrs and shavings out of holes on the top layer of the trunk lid. (Especially the wire holes.) Come up from underneath the trunk lid and widen second layer holes large enough to fit screw head through. If the cavity is large enough and allows you, widen holes up to 3/4" and this will give you plenty of room to work. (Caps can be purchased to fit on 3/4" holes.)

### 6. Rust Proofing

Treat all holes with touch up paint or a rust inhibitor. Treat the underneath half of trunk also to prevent rusting.

### 7. Bolt on Spoiler

Pull wire through trunk lid first. Using Phillips head screwdriver. Push screw through lid. If you have a hard time holding screw on Phillips head screwdriver use a little clay or something similar to hold screw on the driver. Tighten all screws by hand only. Now you're finished.

## STEP 3 WIRING INSTRUCTIONS



### Finding power source

Once the spoiler is mounted, and secured, locate the positive and negative terminal wire from the vehicle's brake light.

NOTE: Locating the positive and negative wires:

- Press the brake pedal and locate all areas of the vehicle's brake light up.
- If the vehicle has a brake light in the trunk lid, run the brake light Wires from the trunk lid and connect it to the positive and negative wires on the spoiler's LED.
- Check the 3<sup>rd</sup> brake light for power source. If the wiring is incased in metal, do not run wires to the third brake light. Search elsewhere for power source. (3<sup>rd</sup> brake light is most common place.)
- Check quarter panels leading to the brake light most often you will always find a source here. Run wire to here. Once you've located where you are going to connect, run wire to this location.

### Running Wire

In most vehicles, there is a wiring harness running down from the trunk lid. Locate it and run your wires parallel with it, using cable ties to secure it in place as you go. If there is no wire harness, run along trunk lid arms down into the trunk. Hide the wire as best as possible. (Be creative, look professional.) Hiding the wire may sometimes require pulling left or right side of carpet away from trunk wall to hide the wires.

### Connecting

Check source to brake light using T-Cap snap, one on positive and one on negative. Be sure T-cap is completely closed. Strip ends of spoiler wire by about 1/4". Fold over and twist each end. Place male connector on wire and crimp with terminal pliers. Plug in male to T-Caps (positive to positive, negative to negative.) Press on brake pedal to check if brake lights are working.