

Ultimate Dive Plane Install Guide

1. Materials:
 - Shop towels
 - 99% Isopropyl Alcohol (IPA) in a spray bottle
 - [3M 4298 Adhesion Promoter](#) (comes in sponges)
 - Heat source such as a heat gun or your spouse's hair dryer
2. Prep the surface:
 - Wash the car if needed, **do not** use waxes or finishing products on the car. If the car has PPF or ceramic coat or both, use IPA to scrub off the areas that will have the dive planes.
3. Align the dive planes:
 - Use the template as Dundon outlines on their website. I use a couple bits of double-sided tape stuck to the tape on the dive planes **before** you remove the backing to tack the dive planes on the car using the template. Don't use the 3M tape, use some cheap and not so sticky double sided foam tape. Then use blue tape to mark the ends of the dive planes so you have a visual indicator of where they go without using the paper template.
 - Take off the dive planes, clean up the areas where they are to be applied with IPA one last time. Really scrub with a clean shop towel.
4. Stick on the dive planes:
 - Do this on a warm day (70 degrees plus) and at a time when you have at least 24 hours of 70 degree plus weather to allow things to set up. 3M publishes cure tables on their website that are a useful reference, the sum of them is **higher temperatures and greater pressures result in a better bond**.
 - Wipe the area with the adhesion promoter sponge, let that dry.
 - Heat the area with a heat gun or hair dryer, get it over 100 degrees F but be careful to not harm your paint or distort the bumper cover.
 - Remove the backing of the tape on the dive plane. Heat the tape with a heat gun or hair dryer, be careful to not melt the tape. I heat both sides of the dive plane, the one with the tape on it and the other side that is carbon, the idea being to get enough heat into it so the entire dive plane is hot to the touch. **Don't melt things!**
 - Stick on the dive plane, and then press **HARD** on the dive plane for 5-10 minutes, basically as long as you can tolerate. The tape works by having the glue "flow" to fill pore spaces on the paint, you want to really compress things so that glue gets moving and sticks well.
 - Repeat for all dive planes unless you want your friends at the track to make fun of you.
 - Let the car sit for at least 24 hours in a warm area to have things set up.

Note that you can apply over PPF, but it is a case-by-case basis. Many detail shops can apply PPF around the dive planes, so if possible install them and then have PPF installed.

Also be careful washing the car, try to avoid more aggressive cleaners like track rubber remover from soaking into the 3M tape. Use a wetted rag in those areas to remove track rubber marks rather than spraying liberally on that part of the car.