

**IMPORTANT: LAMIN-X FILM TEMPERATURES MUST BE GREATER THAN 70 °F (21 °C) FOR PROPER INSTALL!**

**Tools Required:**

- Spray Bottle with Filtered Water
- Blow Dryer or Heat Gun
- X-acto or Breakaway Knife
- Squeegee (wrap with a cloth to prevent scuffs)
- Soft, Lint-Free Towels



## STEP 1 PREP WORK

Clean the surface and all edges of the lens thoroughly before applying film. **PLEASE USE FILTERED, NON-CHLORINATED WATER ONLY. DO NOT USE ANY ALCOHOL SOLUTION OR CHEMICAL CLEANERS TO CLEAN THE LENS!** After this is done, clean it again with filtered water. Keep the area and film free from dirt, debris, or any contaminants. Our adhesive loves to stick to everything. Wash your hands thoroughly before handling the film then always keep your fingers saturated/wet during the install to prevent permanent fingerprints in the adhesive.

## STEP 2 LIGHT MIST

**IMPORTANT: ONLY SPRAY A VERY LIGHT MIST OF FILTERED, NON-CHLORINATED WATER ONTO THE LENS (1-2 SPRAYS MAX). JUST ENOUGH FOR TINY DROPLETS, BUT NOT DRIPPING!** Do not over-saturate, as doing so will prevent the adhesive from gripping! The film installs much differently than window tint or graphics. The film should not slide or float into place. If it does then you have too much solution! In this case, pull the film off and let air dry before reinstalling.

## STEP 3 PEEL N' TACK

Before you begin the actual installation, take the time to think about how you will apply and maneuver the film across any compound curved areas. The objective is to keep the film from bunching up or wrinkling in any one area. You want to evenly and smoothly distribute the film, so as to prevent any wrinkles (fingers). **NOTE: Warming the film with the blow dryer or heat gun is crucial to tackling those difficult areas.**

After misting the lens, remove the backing liner then align the film (using the handling tabs & wet fingers) to a lens edge and/or flat surface. NOTE: It is best to start at the flattest areas with the longest straight lines then work to the more difficult or curved sections. Align the film as accurately as possible during this step as it will effect the alignment of the rest of the installation. After getting the alignment right, just lightly tack the film down. If the alignment is off, just pull it back up and re-tack until alignment is near perfect.

## STEP 4 LUBE IT

After the film is tacked on, liberally saturate the outside of the film (the non-adhesive side) to create a lubrication layer for the squeegee to easily glide over.

## STEP 5 THE HARD PART \*

**IMPORTANT: USE OF A BLOW DRYER OR HEAT GUN TO SOFTEN & WARM THE FILM MAY BE NECESSARY FOR DIFFICULT INSTALLATIONS!**

After the film is aligned and tacked down. Its time to squeegee! Always use smooth, sweeping

windscreen-wiper like motions. This is especially important in the curved areas! To force the water out from underneath the film, squeegee towards the outside edges of the lens. Do this across the remainder of the light. NOTE: The film will move and shift according to your squeegee direction and pulling pressure or angle. So be aware of this and correct and/or re-apply the film as necessary if misalignment occurs. The film's adhesive is very forgiving, which will allow you to pull the film up numerous times in order to get the best fitment possible! If any large air bubbles are present or the film is becoming misaligned, you may peel up the film to that area and apply again. However, this is only possible during the initial installation procedure!

NOTE: If you get wrinkles ("fingers") in any area. Wet your fingers, then pull the film up around that problem area. Then re-apply by distributing the film evenly over a larger area. It may be necessary to soften the film using the blow dryer or heat gun.

## STEP 6 TRIM IT UP

Some trimming may be needed to be performed for all films and kits (including precut kit handling tabs and bulk sheets). No worries though, trimming is easy. For trimming, you may use an X-acto knife, breakaway blade, or razor blade. To start, gently score the outside layers of the film. Use the edge of the light as a smooth guide for your hand and blade. Go as slow as needed for an accurate cut. There is no need to cut all the way through the film except for one small 1/2" section at the beginning or end. Once you have finished scoring the film, pull the excess film off starting at that 1/2" incision.

## STEP 7 HOLDING OUT

**IMPORTANT: PRESS DOWN ALL EDGES OF THE FILM AGAIN, 24 HOURS AFTER INITIAL INSTALLATION! DO NOT CAR WASH YOUR HEADLIGHTS FOR AT LEAST 48 HOURS!**

If all moisture has not been evacuated/squeegeed out from under film then some fogginess of the film will occur. This is completely normal. The film is breathable and porous – cloudiness/fog will evaporate within few weeks, depending on film thickness and sunlight/heat exposure. So be patient! Any surface texture, scratches, or ripples will also disappear during this curing process. If you have a large air or water bubble, you may poke it with a sewing needle. The film is self-annealing, so that hole will eventually heal back up.

## STEP 8 TENDER LOVING CARE

The film can be washed with soap and water just as you would use on your car's finish. Light scrubbing is okay, as well as a mild solvent if needed. It is important to use either Sentinel Vinyl Conditioner or a synthetic carnauba based wax on the film once every 2 months. These products have a U.V. Inhibitor in them that will maintain the films softness and color\*\*

\*\* If you are having installation difficulties or fitment issues then take some digital images of the installed difficulty areas then e-mail us at: [install@lamin-x.com](mailto:install@lamin-x.com) and/or contact us immediately at 706-955-0677. Do not remove or discard the film until instructed by Lamin-x or warranty will be void. Images and information is required for proper assistance. Gunsmoke film may appear purple during the curing process, this is normal and fades over time. Uninstalled film is non returnable after 30days. If you have questions regarding our return policy please check out the details on the website [www.lamin-x.com](http://www.lamin-x.com). Everything you receive from Lamin-x Protective Films is custom made upon ordering. We take pride in customer service and assisting with your installation questions.