

Porter Cable 7424 7335 7336



These tools are essentially identical in that they **all use the same body**. The difference lies in how these tools are outfitted. Therefore, if you own any one of the above models you have the **capability to convert** it into either a 5" or 6" sander/polisher. But before you can proceed you must understand that depending on the pad diameter one of two counterweights is used.



The **counterweight** is a half-moon shaped piece of metal attached to the rotating shaft of the tool. This **smooths out the random orbit action** by providing a counter balance to the elliptical orbit of the rotating backing pad. If you **change the pad size** you must also **change the counterweight** or suffer unnecessary vibration and possible damage to the tool. There are two different counter-weights which are clearly marked to indicate use with either the 5" or 6" backing pad. Therefore if you decide to outfit the **7335 5"** Sander with a 6" backing pad for sanding or polishing you must switch to the counterweight used with 6" backing pads. The same goes for the **7336 6"** Sander. If you decide to outfit it for 5" sanding or polishing you must switch to the counterweight used with 5" backing pads.

Links:

<http://www.coastaltool.com/cgi-bin/SoftCart.exe/a/port/7424-dvd.htm?L+coastest+xrqh8103ffa1afa+1191161350>

<http://www.deltaportercable.com/Products/ProductDetail.aspx?ProductID=11080>

<http://www.toolpartsdirect.com/cgi-bin/schematic.cgi/portercable/7335/>

Pad Application Guide - Lake Country Mfg. Products



		DEM & Cured Paint	Fresh Paint																														
STEP 2	Final Finishing	POLISH / SEALANT																															
	Swirls, Hazes	MACHINE GLAZE																															
STEP 1	Very Fine Scratches	*Finer Than 2000 Grit Abrasives												<p>PAD AGGRESSION SCALE ← MOST → LEAST</p> <p>4-PLY TWISTED WOOL 50/50 WOOL/ACRYLIC YELLOW WOOL/ACRYLIC SINGLE-PLY WOOL/ACRYLIC FOAMED WOOL ELECTRIFIED SHEEPSKIN PREWASHED LAMBSWOOL YELLOW FOAM ORANGE FOAM GREEN FOAM WHITE FOAM BLACK FOAM BLUE FOAM</p>																			
		POLISH																															
	Fine Scratches Light Oxidation	*2000 Grit Abrasives																															
		COMPOUND / POLISH																															
		LIGHT DUTY COMPOUND																															
		HEAVY DUTY COMPOUND																															
		COMPOUND / POLISH																															
		LIGHT DUTY COMPOUND / POLISH																															
Medium Scratches Medium Oxidation Dust Nibs Water Spots	*1500 grit Abrasives																																
	LIGHT DUTY COMPOUND																																
Deep Scratches Heavy Oxidation Paint Runs, orange Peel & Acid Rain	*1200 Grit Abrasives																																
	HEAVY DUTY COMPOUND																																
<p>How to use this guide:</p> <ol style="list-style-type: none"> Determine paint type; Fresh or OEM & Cured Choose surface defect and corresponding compound / polish / sealant Follow path to recommended pads 																																	

* Variations in compounds and polishes may produce different results.

LAKE COUNTRY MFG.

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Pad Aggression Scale:

- Yellow Cutting Pad 78-54650C:** For deeper scratches and swirls you may need a pad with more cutting power than an orange light cutting pad or less aggressive options. This pad is Lake Country's firmest foam pad designed to work with any standard Velcro backing plate. We recommend using this pad after you have exhausted your polishing possibilities with less aggressive polishes and pads. Use the yellow cutting pad with a compound or heavy cutting polish for deep polishing power. This pad is designed to cut in to the clear coat so you can remove deep imperfections which will leave the surface with a light haze. This haze is to be expected and can be removed with lighter pads and polishing combinations. The Lake Country Yellow Cutting Pad is a great pad to help restore your paint to a brilliant shine, but only use it as needed. <http://www.detailedimage.com/Lake-Country-M7/Yellow-Cutting-Pad-P59/> \$7.99

2. **Orange Light Cutting Pad 78-24650C:** The light cutting pad is perfect for applying abrasive polishes and compounds that reduce and eliminate swirls and fine scratches. The Lake Country Orange Cutting Pad is a special blend of foam that allows abrasive polishes to work deep into the clear coat's surface, delivering highly effective cutting power. Cutting into the clear coat is essential for the removal of swirls and fine scratches. It will only reduce a micro thin layer of clear coat, where the majority of the swirls are. Typically you will follow up this polish and pad with a lighter polish and pad combination. Using a lighter polish and pad after helps ensure there is no haze left on the surface. This entire process is quite safe and standard for improving the aesthetics of your clear coat. After completing this process you will allow more light to pass through the clear coat and increases the brightness of your paint. Using the light cutting pad is a great way to begin a detail and create the most dramatic results. The light cutting pad is very durable and reusable with proper cleanings, so you can use it for years to come. <http://www.detailedimage.com/Lake-Country-M7/Orange-Light-Cutting-Pad-P58/> \$7.99
3. **Green Heavy Polishing Pad 78-34650C:**
4. **White Polishing Pad 78-64650C:** The Lake Country White Polishing Pad is a great buffing pad that can apply abrasive polishes, chemical polishes, paint cleansers, glazes, waxes, sealants and more. Its ideal application is probably for polishes that need good pressure and heat to be broken down and worked in properly. The Polishing Pad gives you a great balance of polishing power that works the product well in to the surface but also is gentle enough that it won't leave any hazing or marring. This pad is one of the best all around pads on the market and gets fantastic results each time. The pad is durable and reusable with proper cleanings, so you can use this pad over and over again. <http://www.detailedimage.com/Lake-Country-M7/White-Polishing-Pad-P57/> \$7.99
5. **Black Finishing Pad 78-74650C:** The Lake Country Black Finishing Pad can be used when applying light cutting polishes, chemical polishes, paint cleansers, glazes, sealants and waxes to any painted surface. The Finishing Pad is often used with chemical polishes, sealants, waxes and most commonly with glazes. This pad is very soft and can evenly distribute the exact right amount of product needed for an amazing gloss and shine. The Finishing Pad is extremely gentle and easy to use so you get great results in less time. Clean the pad regularly and you can reuse it over and over again. <http://www.detailedimage.com/Lake-Country-M7/Black-Finishing-Pad-P60/> \$7.99
6. **Blue Finishing Pad 78-94650C:** One of the softest foam materials Lake Country Manufacturing has ever created was used in the Blue Fine Finishing Pad. The Blue Pad is the perfect pad to use for applying sealants and waxes. Its ultra soft texture delicately and uniformly coats your paint for flawless coverage. Clean this pad after each use and you'll be using it for years to come. The Blue Fine Finishing Pad makes applying any sealant or wax quick and easy. <http://www.detailedimage.com/Lake-Country-M7/Blue-Fine-Finishing-Pad-P61/> \$7.99
7. **Backing Plate:** With traditional buffers you would have to screw in each pad with a wrench or deal with bonnets. This Velcro backing plate is designed to screw right into the Porter Cable 7424, so you can change and clean the standard Velcro pads with ease. After the backing plate is attached to the Porter Cable it stays firmly attached and the Velcro pads lock in place. The backing plate is semi-flexible which allows you to work on curves and tough to reach areas. Most importantly the 6-inch backing plate is perfect for the 6.5-inch pads. It allows you to get firm pressure over the entire pad, unlike 5-inch and 3-inch backing plates, where the edges of the pad become flimsy. With firm and constant pressure you can breakdown each product and work them in to the surface properly. Now your polishes will give you a deeper shine and waxes will adhere to the paint longer. Let the Velcro backing plate save you time and effort while you get better detailing results. <http://www.detailedimage.com/Lake-Country-M7/Velcro-Backing-Plate-for-PC-P56/> \$19.99

Poorboys



Poorboy's Swirl Remover 1 (SSR1) Poorboy's World SSR 1 uses tiny micro abrasives to remove oxidation, fine swirls and scratches. Buffing your paint with a good finishing polish like the SSR 1 will make a noticeable improvement in the clarity of your clear coat. Using this polish will really help make the clear coat look its best and feel extremely smooth. After polishing, a properly prepped surface will allow glazes, sealants and waxes to adhere to the clear coat much better. The SSR 1 is very safe and easy to use when applied with a buffer or by hand. This finishing polish is great after using more aggressive polishes like the SSR 2, SSR 2.5 and SSR 3 to ensure there is no haze left behind. The SSR 1 will leave the surface extremely smooth and shiny!

<http://www.detailedimage.com/Poorboys-World-M1/Super-Swirl-Remover-1-SSR-1-P19/> \$14.99

Poorboy's Swirl Remover 2 (SSR2) Poorboy's World SSR 2 is a light to medium cutting polish that permanently reduces the appearance of swirls and fine scratches. The micro abrasives in the SSR 2 help even out the variable height of the clear coat. By reducing the appearance of swirls and scratches the clear coat will be more transparent, so the paint looks very bright. SSR 2 will leave the clear coat very smooth, which allows waxes and sealants to adhere to the clear coat better so they protect and shine longer. The SSR 2 should be followed up with the SSR 1 or a lighter finishing polish to ensure there is no hazing and the surface has optimal gloss. <http://www.detailedimage.com/Poorboys-World-M1/Super-Swirl-Remover-2-SSR-2-P20/> \$14.99

Poorboy's Super Swirl Remover 2.5 (SSR 2.5) This medium cutting polish will help significantly reduce and eliminate the appearance of swirls and scratches in the clear coat. The Poorboy's World SSR 2.5 contains micro abrasives that will remove a micro thin layer of the clear coat, which buffs out imperfections in the clear coat. It also cleans the clear coat while removing oxidation to brighten the appearance of the paint significantly. This process is quite safe and it produces dramatic results that can transform paint in any condition. The SSR 2.5 should be followed up with the SSR 1 to ensure there is no hazing and the clear coat is smooth and transparent. <http://www.detailedimage.com/Poorboys-World-M1/Super-Swirl-Remover-25-SSR-25-P21/> \$14.99

Poorboy's Super Swirl Remover 3 (SSR 3) Poorboy's World SSR 3 is well known for its power to cut in to the clear coat and restore a smooth and transparent clear coat. This product is designed for vehicles with heavy swirls and surface imperfections that need serious help. It will clean buff out imperfections while removing oxidation in the paint for greater clarity in the clear coat. When applied it makes the paint look bright and vibrant again. The SSR 3.0 should be followed up with lighter cutting polishes like the SSR 2.5 and SSR 1 for maximum results and to ensure there is no haze in the clear coat. Use the SSR 3 to restore your clear coat and get the gloss and shine you've been looking for. <http://www.detailedimage.com/Poorboys-World-M1/Super-Swirl-Remover-3-SSR-3-P22/> \$14.99

From: <http://www.detailedimage.com/auto-detailing-guide/polishing-compound.php>

Compounds and Cutting Polishes can drastically improve the condition of the clear coat. This step can help faded, oxidized, swirled and scratched clear coats look significantly better. The cutting polish helps restore a transparent clear coat, which allows for light to pass directly through the clear coat, thus creating a bright reflection with a deep shine. This step produces some of the most noticeable results that make you proud of your vehicles stunning appearance. Compounds are more aggressive and usually more abrasasive than cutting polishes and can remove deeper marks, scratches, swirls and other imperfections on the clear coat.

A cutting polish will remove a micro-thin layer of your clear coat. It helps smooth out scratches, swirls and removes watermarks that are etched into the clear coat. We suggest using a cutting polish once or twice a year or as needed to treat imperfections as they happen. Your clear coat can appear hazy from using a cutting polish. This slight haze is to be expected and will be buffed out with finer polishes, also known as finishing polishes in the next step.

Finishing Polishes are light polishes designed to really shine the paint and restore a glossy finish. As most detailers know it's how you prep the surface that really determines the end result of your detail. Finishing polishes will help remove old wax or sealant, oxidation, embedded contaminants, very fine surface imperfections and more. This process helps clean the clear coat, which allows more light to pass through, thus creating a deeper shine. Using a finishing polish will restore a brilliant gloss. Hazing that may have occurred from a more aggressive compound or cutting polished should be completely removed and the surface should be extremely smooth to the touch. This is the perfect step to take to prep your paint after using a cutting polish or before you use a glaze, sealant or wax.

Recommended Products:

- (1x) Porter Cable 7424 Buffer
- (1x) Velcro Backing Plate
- (1x) Appropriate Pads
- (1x) Compound
- (1x) Cutting Polish
- (1x) Finishing Polish

Is A Buffer Necessary?

Below are some of the major benefits of using the Porter Cable 7424 with the velcro backing plate. The velcro backing plate screws directly into the PC7424 and allows you to easily swap pads on and off. The velcro backing plate is also 6" in diameter, which evenly distributes pressure from the buffer throughout the entire 6.5" diameter of the pad. Here are some other benefits:

A) It saves you time and energy. When applying coat after coat by hand, you tend to get tired and slow down. Your fingertips exert pressure over a very small area so it requires many passes just to cover a small area. The 6.5" circular pad on the Porter Cable 7424 can cover a larger surface area quickly and easily. The Porter Cable is only 6lbs and has two comfortable places for your hands to guide the buffer. The buffer completes 2,500 to 6,000 orbits per minute, which creates plenty of pressure that's nearly impossible to duplicate by hand. On average the buffer can help you complete a coat in 50% - 75% of the time it takes to complete hand applications.

B) You achieve more consistent results. When you guide the buffer across the clear coat it creates pressure that breaks down the product and works it into the clear coat. Alternatively, hand applications force you to attempt to apply the same exact force through a multiple step detailing process. Most hand applications yield varying levels of pressure that may leave the process looking slightly inconsistent or blotchy. You are exerting a lot of energy during hand applications, especially for polishes, which require steady pressure to perform their best. The Porter Cable comes with a dial that controls the buffer's speed, so you get the exact same results throughout each coat.

C) You obtain *better* results. Because of the Porter Cable's random orbit pattern you will not risk burning the paint like you would with traditional rotary buffers. The even distribution of heat and pressure will break down the product evenly so the results are perfectly uniform. This uniform application is essential for even protection and shine over all the clear-coated surfaces. The PC 7424 is compatible with a variety of different pads that help best work in certain products. Sealants and waxes should generally be applied with a soft finishing pad. The correct pad selection is crucial to achieving maximum results.

Polishing How-To

Polishing can yield the most dramatic results when detailing. It does so by smoothing out the dips and valleys in the clear coat, aka swirls and scratches, allowing light to reflect the true depth and gloss of the paint underneath.

Prep Stage:

At this point the vehicle should be freshly washed, dried and already treated with clay bar and a cutting polish if desired. For ease of use and best results the vehicle should be worked on in a shaded area where the paint is cool to the touch. Attach the appropriate pad to the Porter Cable 7424, centering the pad on the backing plate. Whether doing the application by hand or with a buffer be sure to match the aggressiveness of the product with the aggressiveness of the pad

Instructions for Polishing:

1. Dispense a few dabs of product around the outer edge of the pad. (Note: If the pad is brand new add a little extra product)
2. With the PC off smear the product over a 18" x 18" area on the clear coat.
3. To help spread the product thinly and evenly, turn the PC unit on at a low speed setting (about speed setting 3) and spread the product out evenly over the 18" x 18" section
4. Increase the speed setting to 5 or 6 and begin to apply light to medium pressure to the head of the PC unit. If the PC bogs down, you are applying too much pressure. (More experienced users may want use higher speed settings to attain better results. Newer users should start at lower speed levels until comfortable.)
5. Start in the top left corner of your 18" x 18" area and move the PC from left to right at a pace of 1" per second. As you reach the far side of your box, move the PC down enough so that you would overlap the previous pass by about 50%. Continue this pattern until you have passed over each part of the 18" x 18" box. Proceed to follow the same pattern with verticle passes and move the buffer left to right until the entire 18" x 18" area has been buffed.
6. With the PC still on, continue to work the buffer from top to bottom a second time, still moving at 1" per second, and overlapping each pass by 50%. This time around, use little to no pressure so the pad spins

freely for this set of passes. Continue this pattern until the entire 18" x 18" area has been completed for the second time as described in step 5, just using the weight of the buffer as the pressure. After completing the 18" x 18" area turn the buffer off. (Note: At this time the entire 18" x 18" panel should have received eight passes. If the polish dusts excessively, the product was overworked and can be stopped prior to eight complete passes.)

7. After completing a section or panel use a paint safe microfiber towel to wipe off any remaining excess product. Replace towel if it smears or becomes saturated with product. On average we recommend allocating 3 towels per coat to ensure no streaking from excess product build up.
8. After a few panels take the time to remove excess product from the pad so it does not get saturated, or ideally, replace the pad with a fresh one at this time. To clean the pad, simply spin the buffer on a low speed and agitate it with a clean soft bristled toothbrush to remove product build up in the pores of the foam pad.
9. Continue this entire process until the entire vehicle has been buffed.

When finished, clean your pads immediately to extend the life of your pads and maintain the highest quality results possible.

Link: <http://www.autopia-carcare.com/inf-porter-cable-7424-car-polisher.html>