



Perfect-It™ Denibbing System

Technical Service Bulletin

The Perfect-It™ Denibbing System was design for paint that has come out of the spray booth with matching texture, no major flaws, and just a few dirt nib spots that need to be removed.

The system allows the technician to remove a very small area that the defect is located in while maintaining as much texture in the surrounding areas as possible. After removing the nib from the surface the repair area should only be the size of a quarter. This allows the technician to polish a very small area in a very short amount of time. The main benefits include:

- Micro repair area
- Virtually no sling
- No compound required
- Less clean up
- Higher quality repairs
- Lower risk with burn through
- Faster Process

Directions for use:

1. Sanding

Denibbing Abrasive – depending on the size of the dirt nibs, either the 1000 or 1500 grit Denibbing Abrasive can be used. Large dirt nibs should be removed with 1000 grit while medium to small dirt nibs can be removed with 1500. Attach the appropriate abrasive stem to the denibbing sanding tool. Do not press the stem on too hard or it will be more difficult to remove when finished.

Tool Setup – setting the tool to the appropriate speed is important for the outcome of the sanding process. If the clear is being worked on the same day it was sprayed, the slower speed will most likely work best. When sanding on fresh clear it may start to heat up and smear the clear. In this case, the technician will want to use water when sanding to keep the heat down and allow the abrasive to cut. Water can be used in any situation but keep in mind it will make the abrasive more course, it will make it hard to see, and it will cause a bit more mess in the process. Water also has some benefits when sanding. It will increase cut and it will extend the life of the abrasive. Using the abrasive dry or wet will be the technician's preference.

Sanding the Defect – with the abrasive attached and the speed dialed in, turn the tool on and sand the dirt nib. When sanding use light pressure and sand the nib from top down. Think of it as a sanding stone and shave the nib down until it is removed. If the user applies too much pressure, the abrasive will have a better chance of rounding the nib or sanding a divot into the surface. Light pressure is very important for adequate results. Use a circular motion while sanding to get a better featheredge. Sand until the shiny spot around the dirt is gone. If 1000 grit was used to

remove the nib, be sure to refine the scratch with 1500 for 7-10 seconds before moving to the polishing step. If water was used with 1000, be sure to use water with 1500 as well.

Charging the Sanding Tool – the Denibbing Tool features a battery life indicator just above the On/Off switch. When all 3 lights are illuminated, the battery is full. As the battery loses its charge, the lights will turn on off one by one. When the tool is not sanding to the desired speed it will need to be charged. The Denibbing Tool will last about 45-60 minutes on a charge. When the tool is placed into the charger, the green light will start to flash. When the green light stops flashing and turns solid, the tool is fully charged. On average, the battery will charge in 30-45 minutes. The Denibbing Tool is equipped with a lithium-ion battery. This style of battery will not develop a memory and lose charging capacity like other style batteries. The best way to use a lithium-ion battery is to charge it after each use. Unlike other batteries that need to be fully discharged, lithium-ion batteries last the longest when they are discharged as little as possible and charged up again.

2. Machine Polishing

Polisher Set up – the dual action polisher has a large throw (15mm) allowing it to polish out 1500 grit scratches while giving a high gloss finish and minimizing sling. Attach the purple polishing pad to the polisher. When using a new pad it is recommended to “pre-wet” the pad with denibbing polish. Apply a small amount to the pad and spread it out along the pad until the surface has a thin wet film. This will ensure the pad isn’t too dry when polishing. Set the polisher between 70-90 psi for optimum results.

Polish the defect – apply a small polish spot of Denibbing Polish to the defect area. Too much polish will result in excess sling. Set the polisher on the spot with medium down pressure and polish the defect for 7-10 seconds. Applying pressure will eliminate excess sling and ensure the scratches will be removed. Staying on the spot while polishing is important to be sure the scratches are completely removed. Do not try to “connect the dots” when polishing. Each nib spot needs 7-10 seconds time to adequately remove the scratches. When the proper amount of time has been spent polishing the spot, stop the tool on the surface, then lift away. This will allow the job to stay free of excess sling from lifting the polisher while the pad is still spinning. Wipe the excess polish with a 3M™ Perfect-It™ Detailing Cloth (PN06016)

3. Swirl/Haze Elimination

On some dark colored vehicles, there may be a small amount of haze left from the denibbing polish and dual action polisher. In this case use the Ultra fine Machine Polish and a Blue foam pad to remove the haze.

There are two ways this can be done. If there are only a few spots that need to be polished, the dual action polisher can be used to keep the area small. Attach the blue foam pad to the polisher and “pre-wet” the pad to make sure it isn’t too dry when polishing. Apply a small polish spot to the haze area and polish the haze for 7-10 seconds making sure the full area is polished. It may be easy to miss a haze spot in poor lighting situations. Using the small dual action polisher will cut down on excess sling. Do not polish Ultrafine Machine Polish dry. Use enough material to ensure the surface retains a wet film. Wipe the excess polish clean with a 3M™ Perfect-It™ Detailing Cloth (PN06020).

If there are several spots in a small area it may make more sense to use a full size polisher equipped with an Ultrafine Foam Polishing Pad. Polish the full area with Ultrafine Machine Polish at 1,400-2,000 RPM. This will give the best finished results and ensure that no haze spots are missed. Full size polishing may cause some excess sling. Wipe the access polish clean with a 3M™ Perfect-It™ Detailing Cloth (PN06020).

Part No.	Item	Description	Qty/case
02047	3M™ Perfect-It™ Denibbing Abrasive	P1000 Grade Trizact™ abrasive stem, 20 stems per box	4 boxes/case
02080	3M™ Perfect-It™ Denibbing Abrasive	P1500 Grade Trizact™ abrasive stem, 20 stems per box	4 boxes/case
07650	3M™ Perfect-It™ Denibbing Tool	Cordless denib sander	1/box, 4/case
07652	3M™ Denib Polisher Back Up Pad	Polisher Back Up Pad, 75mm	1 pad/pack, 5/case.
07653	3M™ Perfect-It™ Denibbing System Kit	Denibbing System Kit. Includes denib sander, charging station, abrasive stems, polisher, liquid polishes, polishing pads and detail cloths	1/case
07654	3M™ Perfect-It™ Denibbing Tool Kit	Denibbing Tool Kit - North America. Includes denib sander, charger and power cord	1/case
07657	3M™ Perfect-It™ Denibbing Tool Charger Kit	Denibbing Tool Charger Kit – North America. Includes charging station and power cord	1/case
05759	3M™ Perfect-It™ Foam Buffing Pad	Foam Buffing Pad, 3 in., Purple	2 pads/bag, 6 bags/case
05760	3M™ Perfect-It™ Ultrafine Foam Polishing Pad	Foam Polishing Pad, 3 in., Blue	2 pads/bag, 6 bags/case
39063	3M™ Perfect-It™ Denibbing Polish	Denibbing Polish, 16 oz/473 mL	6/case
39062	3M™ Perfect-It™ Ultrafine Machine Polish	Machine Polish, 16 oz/473 mL	6/case
28363	3M™ 75mm Polisher	75mm Polisher	1/case
06016	3M™ Perfect-It™ Detailing Cloth	Yellow Microfiber Cloth	6/pack
06020	3M™ Perfect-It™ Detailing Cloth	Light Blue Microfiber Cloth	6/pack

If you have any questions please feel free to contact me for additional information.

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