

# 3M LEATHER & VINYL REPAIR KIT

08579

## Kit Includes:

- 7 – Heat Cure Repair Compounds (Black, Brown, Red, Yellow, Green, Blue, & White, 1/8 fl oz/3.7mL each)
- 2 – Vinyl Adhesives (1/8 fl oz/3.7mL each)
- 1 – Backing Fabric piece (3 x 3 in/7.6 cm x 7.6 cm)
- 3 – Grain Papers (3 x 3 inch/7.6 cm x 7.6 cm)
- 1 – Practice Vinyl piece (3 x 3 inch/7.6 cm x 7.6 cm)
- 1 – Mixing Spatula
- 1 – Empty Mixing Cup
- 1 – Heat Transfer Tool
- Color Match Guide
- Directions for Use

**CAUTION!** May cause eye and skin irritation. May cause nose and throat irritation.

**CONTAINS – Heat Cure Repair Compounds:** Dinonyl Phthalate, Branched and Linear (68515-45-7); Diheptyl Phthalate, Branched and Linear (68515-44-6); Poly(vinyl Chloride) (9002-86-2); Di(heptyl, nonyl) Phthalate, Branched and Linear (111381-89-6); Di(heptyl, undecyl) Phthalate, Branched and Linear (111381-90-9); Di(nonyl, undecyl) Phthalate, Branched and Linear (111381-91-0); 1,2-Benzenedicarboxylic Acid, Diundecyl Ester, Branched and Linear (85507-79-5); Iron Oxide (FE3O4) (1317-61-9); C.I. Pigment Green 7 (1328-53-6); C.I. Pigment Blue 15 (147-14-8); Titanium Dioxide (13463-67-7); C.I. Pigment Red 170 (2786-76-7); C.I. Pigment Yellow 3 (6486-23-3). **Vinyl Adhesive:** Vinyl acetate/acrylic copolymer (Mixture); Water (7732-18-5).

## PROTECT FROM FREEZING.

**VOC INFORMATION:** Please consult Federal, State and Local Regulations. Heat Cure Repair Compounds: VOC < 1%. Vinyl Adhesive: VOC < 1%

**PRECAUTIONS:** Avoid eye and prolonged skin contact. Avoid breathing of vapors. Use only with adequate ventilation. Do not swallow. Wash thoroughly after handling. Close container after each use.

## KEEP OUT OF REACH OF CHILDREN.

**FIRST AID INFORMATION:** **Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention. **Skin Contact:** Wash affected area with soap and water. If signs/symptoms develop, get medical attention. **Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention. **If Swallowed:** Do not induce vomiting. Get medical attention.

READ INSTRUCTIONS THOROUGHLY AND PRACTICE ON THE VINYL PIECE INCLUDED PRIOR TO THE ACTUAL REPAIR JOB. THE VINYL PIECE INCLUDED IN THIS KIT IS ONLY TO BE USED FOR PRACTICING PURPOSES AND IS NOT INTENDED TO MAKE THE ACTUAL REPAIR.

1. **CLEAN AREA:** Clean the damaged area using a non-soapy cleaner to remove any dirt or grime from the surface. Carefully trim any frayed, excess threads, or charred material (if burn damage) with razor or knife.



Damage



Cleaning Damage

2. **BACKING FABRIC:** **Note:** For repairs greater than ¼ inch, use backing fabric. (Cuts, burns or holes that are less than ¼ inch do not require cloth backing fabric). Cut the enclosed fabric slightly larger than the damage. Use the spatula to insert the fabric into and under the damage. This will provide support for the repair compound. Use the vinyl adhesive to glue the backing fabric in place. Important: Adhesive requires a four hour dry time. **Note:** For rips and tears, apply the vinyl adhesive under both edges and the center to hold backing fabric in place.



a.



b.



c.



d.

3. **SELECT GRAIN PAPER:** Enclosed are three grain paper patterns. Select the grain paper closest to that of your damaged leather/vinyl. On the top center of the grain paper, draw an outline of the damaged area. This will allow you to position the heat transfer tool accurately over the repair compound in step 7.



4. **FILL DAMAGE:** For deep damages (for example in a vinyl dashboard), use the spatula to apply small amounts of the vinyl adhesive into the damaged area until the surface is level. **Important:** Adhesive requires a four hour dry time. The vinyl adhesive will shrink slightly as it dries, leaving a void. This will be filled in with the color repair compound.



a. Applying adhesive



b. Void adhesive leaves after it's dry

5. **MATCH COLOR:** Using the color match guide and the empty mixing cup, mix very small amounts of compound to obtain the desired color needed. **Note:** White will lighten colors; yellow will brighten colors; black and brown will darken colors; brown can be made using red as the base and adding black and yellow. Use the practice vinyl and your color match compound in order to compare it to your color vinyl or leather.



- 6. APPLY COLOR COMPOUND:** Once vinyl adhesive is dry, use the spatula to evenly apply the color repair compound into the damaged area. Spread a thin layer onto the surface smoothly and evenly. Correct application of the color repair compound is necessary to produce an excellent repair job. Wipe up any excess from around the damage. **Note:** Do not over fill the damaged area. Filling the surface evenly is very important and care should be taken.



*Evenly filled, damaged area*

- 7. PLACE GRAIN PAPER ON REPAIR:** Place the grain paper over the un-dried color repair compound, making sure your drawn outline is directly over the damaged area. Do not move it. If repair is on a vertical surface, tape the grain paper down.



- 8. HEAT CURE:** This is a very important step in the repair process. Plug in a hot iron and allow it four minutes to heat up on high setting (approximately 300F). Place the metal tip of the heat transfer tool directly on the iron and allow several minutes to heat the tool.



**Important:** *Never let this tool directly touch the vinyl or leather.*

After the tool is heated, place the hot metal tip on the grain paper over the drawn outline of the damage. Rotate the heat tool on the grain paper outline in a circular motion for 35-45 seconds.

Care must be taken not to overheat the grain paper. Heat must be applied to each and every section where the grain paper covers the repair compound. Reheat the heat transfer

tool as needed. When repaired area cools, peel grain paper and examine repair. If the repaired area is sticky or tacky, repeat Step 8. If there are any defects or pin holes in the repair, repeat Steps 6-8.



#### Color Matching Tips:

Mix red and yellow to create orange. Orange is a secondary color.

Mix yellow and blue to create green. Green is a secondary color.

Mix blue and red to make purple. Purple is a secondary color.

Mix yellow and green to create blue green or aquamarine or turquoise. Aquamarine or turquoise are tertiary colors.

Mix blue and purple to create blue purple or violet. Violet is a tertiary color.

Mix red and purple together to create red purple or magenta. Magenta is a tertiary color.

Mix red and orange together to create yellow orange or marigold. Marigold is a tertiary color.

Mix white with a color to create a tint. For example, mix white with red to create pink.

Mix black with a color to create a shade. For example, mix black with red to create burgundy.

To create a less intense color, mix in a little bit of its complement (the color opposite of it on the color wheel). Red's compliment is green. Blue's compliment is orange. Yellow's compliment is purple. You can create dull and muddy rust orange by mixing a little bit of blue.

Mix red and green to create brown. You can add white or black to the brown to make it darker or lighter.

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**Additional Product Safety and Health Information Source:** Material Safety Data Sheet (29-0610-5) or 3M Automotive Aftermarket Division

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### 3M™ Leather & Vinyl Repair Kit Color Match Guide

Colors	Start with	Add
Pink	Red	White
Maroon	Red	Black or Brown
Regal Red	Red	Blue
Orange	Yellow	Red
Gold	Yellow	Touch of Red or Brown
Lime Green	Yellow	Blue/Black to Deepen
Grass Green	Yellow	Blue and Green
Olive Green	Green	Yellow
Light Green	Green	White/Yellow
Turquoise Green	Green	Blue
Bottle Green	Yellow	Blue
Pine Green	Green	Yellow/Black
Turquoise Blue	Blue	Touch of Green
Powder Blue	White	Blue
Wedgewood Blue	White	Blue and a Spot of Black
Royal Blue	Blue	Black and a Spot of Green
Navy Blue	Blue	Black/Green
French Navy	Blue	Black/White
Gray	White	Touch of Black
Pearl Gray	White	Touch of Blue
Golden Mustard	Yellow	Red, Black, Touch of Green
Beighe	White	Brown, Yellow to Brighten
Off White	White	Brown or Black
Charcoal Gray	White	Black
Lemon Yellow	Yellow	White, Touch of Green
Butterscotch	Yellow	White, Brown, Black
Forest Green	Green	Black
Emerald Green	Yellos	Green/White
Avocado	Yellow	Brown/Black
Dark Purple	Red	Blue/Black
Tomato Red	Red	Yellow/Brown
Mandarin Orange	Yellow	Red/Brown
Burnt Orange	White	Orange/Brown
Burgundy	Red	Brown, Black, Yellow
Raspberry	blue	White, Red
Plum	Red	White, Blue, Black
Chestnut	Yellow	Red, Black, White
Honey	White	White, Yellow, Brown
Saddle Brown	Yellow	Red, Black, White
Nutmeg	Red	Black, Red
Gunmetal Gray	Black	White, Red