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CREATIVE PAINTING

With Special Techniques

- FOR ■ EXOTIC PANEL DESIGNS
- AUTO-BODY TOUCH-UP
- MINOR BODY REPAIRS

HOUSE OF JOMIL'
consultants for
TEMPO PRODUCTS COMPANY



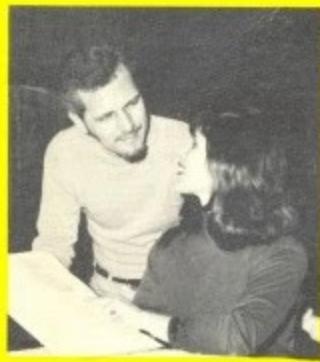
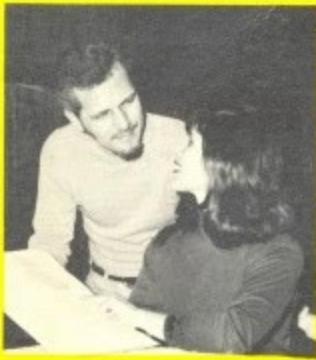
House of Jomil'
Official Seal of

*Jack and Bev Miles noted Show Car
Designers, Custom Painter
and Tempo Staff Consultant*

FRONT COVER:

Illustrated is Gerry Nimz's "Royal Flush" dragster, a show circuit favorite. Shown elsewhere in this book is Gerry's "Blue Angel" '23 "T" Show Rod which is fast becoming the nation's top show car.

about the authors



It was just four years ago that Jack Miles, a bearded artist and sculptor, decided to turn his talents to what had been a relatively artless field for more than 20 years: Custom Auto Painting.

With the help of his wife, Beverly, they have succeeded in turning Custom Auto Painting into a true art form, so

accepted that their reputation extends all the way to the West Coast.

Each job is an individual creation based on such esthetic factors as the overall shape and dimensions of the particular vehicle. As each work of art is finished, it receives their House of Jimil' signature, a coveted 3-dimensional status symbol that is recognized throughout the United States and Canada.

Jack and Bev are the Custom Builders of and/or Painters of such show stoppers as Jerry Nimz' "Royal Flush" Dragster, Blue Angel "T", Pure Hell Altered Fiat, his full custom XKE Jaguar and his Street Altered Anglia. Because of this fantastic group of show cars, Jerry was awarded the coveted Al Davis Award for the Show Car Owner of the Year by the International Show Car Association. They are also responsible for the designing and building of their own radical Corvette Pick-up, Tempo. Some of their other exotic painting creations are the Donahue Brothers' "Green With Envy", Fred Kent's "Venus Machine", Jack Swanson's "Altered 'T' Pickup", Gary Galambos' "Fantastic '55 Chevy", Mike Tambouro's "A/F Dragster" and a host of others.

Their painting methods for exotic panels has been a business secret, but now are revealed in this book in step-by-step procedures.

introduction

More and more car owners today favor automotive appearance over performance. Part of this is due to the fact that drivers are finding greater individual expression in customized car finishes.

Until recently, original car finishes made it necessary to repaint an entire car to achieve an exotic panel effect. With advances in finishes, car owners are now able to create true custom panel designs at a moderate price with aerosol paints.

Individuals may now paint their cars with Shell Patterns, Psychodellic Patterns, Swirls, Silhouettes, Endless Lines, Fade-In Patterns, Multi-Color Swirls, Reverse Swirls, Flame Patterns, Lace Patterns, etc. Step-by-step procedures for achieving these various exotic designs with Tempo's Aerosol Spray Paints are now revealed on the following pages.

Tempo has developed a full line of exotic finishes to enable you to execute the designs illustrated in this book. Tempo Metallic Flakes, Tempo Hi-Performance Colors and now . . . Tempo Candy Custom Finishes. All of these products are available under Tempo's Custom Finishes label. The use of these new translucent tints permit the user to achieve all the colors of the spectrum through overlapping.

Tempo's 20 years of aerosol experience combined with their quality products and exclusive FANSPRAY® Valve make exotic paneling a relatively simple job with Aerosol Spray Paints and these step-by-step procedures.

To help in preparing your automobile for painting, we have included a section on Repairing Minor Body Damage with step-by-step photos, a photo illustrated section on Repairing Paint Scratches, and a complete section on Touch-Up Techniques that cover preparation, priming and painting. The section certain to be of interest is entitled, "How To Spray Metallic Finishes" and get a perfect color match . . . a must for todays exotic paint finishes.



FANSPRAY!

SEE THE DIFFERENCE...

OTHERS

This is the typical round spray pattern you may get with most other aerosol spray paints. Due to its heavy concentration within a small circle, it takes an expert, and then some, to spray an even coat without spatters or runs. In addition, the can must be held 12 to 18 inches from the surface to be painted, causing excessive overspray.



OURS

See the difference! Tempo features the unique FANSPRAY® valve. The elongated pattern covers more area easier, more evenly and faster. Held 6 to 8 inches from the work surface, rather than the usual 12 to 18 inches, more paint is applied to the surface thereby greatly reducing paint overspray and waste. Whether for touch-up or refinishing of large areas, FANSPRAY produces a professional finish. The valve tip may be rotated $\frac{1}{4}$ turn to produce a horizontal spray pattern.



ORDINARY SPRAY

— DRY

FANSPRAY
Notice fine even paint distribution
less overspray—less waste

NEW ADJUSTABLE FANSPRAY® VALVE



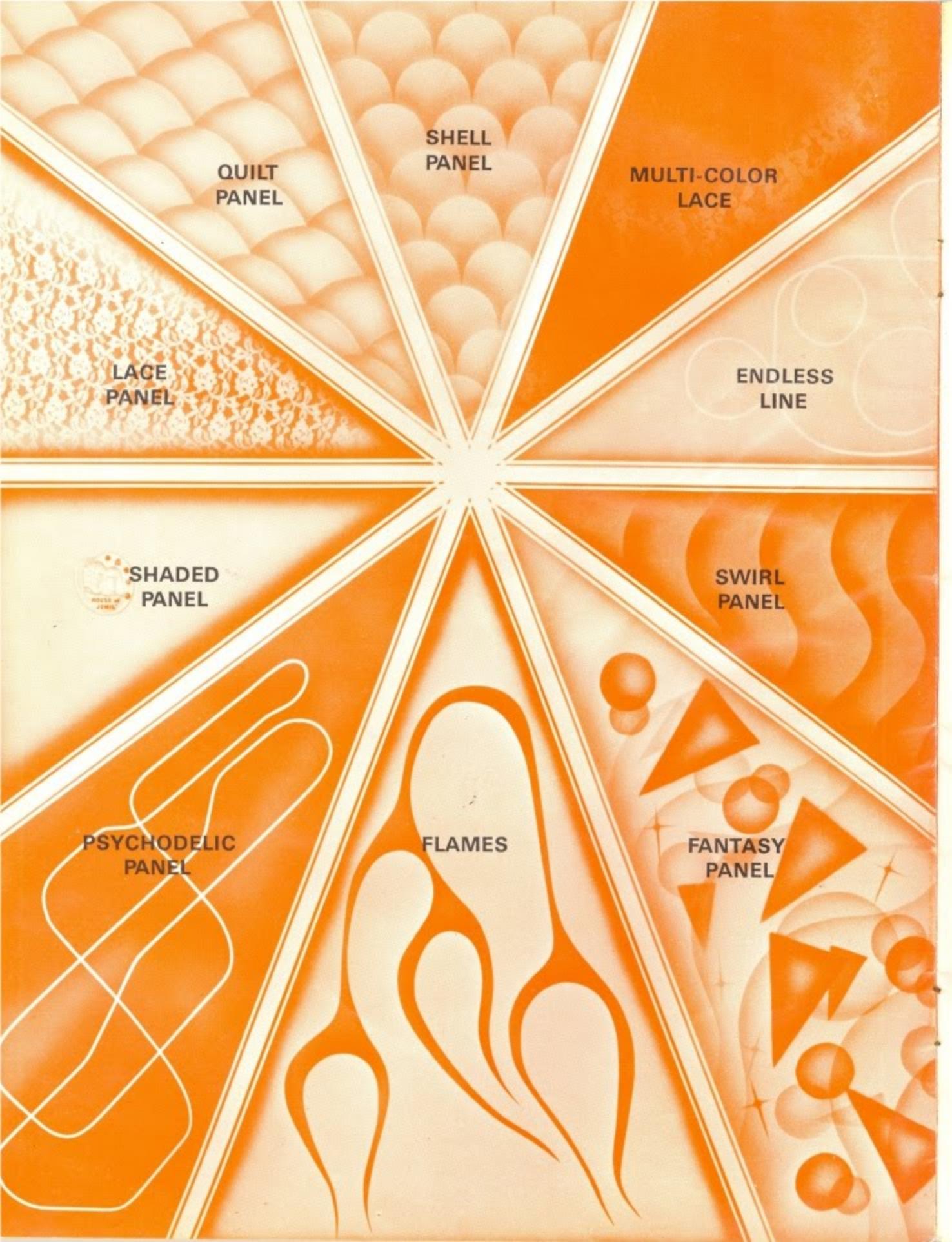
VERTICAL



HORIZONTAL

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QUILT
PANEL

SHELL
PANEL

MULTI-COLOR
LACE

LACE
PANEL

ENDLESS
LINE

SWIRL
PANEL



SHADED
PANEL

PSYCHODELIC
PANEL

FLAMES

FANTASY
PANEL

panel layout & masking



Panel Masking

The placement and shape of the panel is very important to the final appearance of the car. Attractive design lines should be accented, while attention is drawn away from unattractive lines. Various panel shapes and designs are shown on the cars in the center pictorial layout. Choose the ones that suit your fancy and go best with your car, or design your own panels to go with your own particular car.

1. Lay out panel by using a yardstick or similar straight edge, measuring from reference points, such as rocker moldings, or chrome strips to be sure it is evenly placed. Then draw your lines in pencil using the straight edge. A chalk line can also be used to make long straight lines.
2. Using 3/4" masking tape, outline the panel you have marked, making certain the tape edges have been firmly pressed down. On curved edges, if tape tends to pull, use a narrower tape, such as 1/8" or 1/4".
3. Where tape overlaps at panel corners, a more professional appearance can be achieved by rounding the corners, using 1/8" masking tape or by applying 3/4" tape and cutting it with a razor blade.
4. Outline complete panel with newspaper or masking paper.

border pinstripe

1. To achieve a pinstripe effect on outside border of panel, apply 1/8" masking tape, approximately 1/8" inside panel border in a continuous line.
2. Rub fingertip along full length of tape pressing down firmly.



Border Pinstriping and Rounding Corners with 1/8" tape

panel preparation

1. Clean surface with a dewaxing agent.
2. Feather edge any bad paint spots, using a #400 grit wet sandpaper.
3. Using fine steel wool, rough up surface of panel, paying particular attention to area immediately adjacent to tape to avoid paint peeling when tape is removed.
4. Clean off dust with Tempo Tack Rag, #403 TTR.

using existing paint as background

5. Spot prime with Tempo Platinum Gray Primer #7-4000, following directions on can.
6. Using Tempo Instant Spray Auto Touch-Up Paint in your matching car color, spot spray until a uniform color is achieved, following directions on the can.

contrasting color background

1. Clean surface with a dewaxing agent.
2. Feather edge any bad paint spots, using a #400 grit wet sandpaper.
3. Using fine steel wool, rough up surface of panel, paying particular attention to area immediately adjacent to tape to avoid paint peeling when tape is removed.
4. Wipe off dust with Tempo Tack Rag, #403 TTR.
5. For best results, spray full panel surface with Tempo Platinum Gray Primer, #7-4000, following can directions, until a uniform finish is achieved.
6. Allow primer to dry 10 minutes at normal room temperature.
7. Choose a Tempo color that will give good contrast to your chosen design color and following can directions, apply enough coats to get a uniform color. Allow 5 minutes drying time between coats to avoid runs, etc.

pearlescent background

1. Follow Panel Preparation Steps 1 thru 4 (Page 5).
2. For best results, spray full panel surface with Tempo Platinum Gray Primer, #7-4000, following can directions, until a uniform finish is achieved.
3. Allow primer to dry 10 minutes at room temperature.
4. For a white pearlescent background, use Tempo Competition White, #19-1704, as a base color over the primer.
5. Using Tempo White Pearlescent, #17-1200, hold can away from surface approximately 14" and moving can quickly, fog the Pearl onto the surface until the desired pearlescent effect is achieved.

silver base background

(For Psychedelic or Multi-Color)

1. Follow Panel Preparation Steps 1 thru 4 (Page 5).
2. For best results, spray full panel surface with Tempo Platinum Gray Primer, #7-4000, following can directions, until a uniform finish is achieved.
3. Allow primer to dry 10 minutes at room temperature.
4. Using Tempo Silver Base, #17-1201, follow can directions and spray panel until a uniform silver color is achieved, allowing 5 minutes drying time between coats.
5. Allow finished panel to dry at least 5 hours before proceeding to next steps for Multi-color Lace or Psychedelic Paneling.

shaded panels

The Shading process is utilized with most panels and will be frequently referred to in other panel directions.

1. Holding can approximately 12" from the panel surface, and moving quickly, fog a light coat around outside edge of masked panel, directing the main body of the spray toward the tape at the edge of the panel, allowing the overspray to do the shading.
2. Repeat this process until desired effect is achieved.
3. Let paint dry thoroughly.
4. Finish panel as per instructions on Page 18.



Shading Panel Edge



Completed Shaded Panel

lace panels

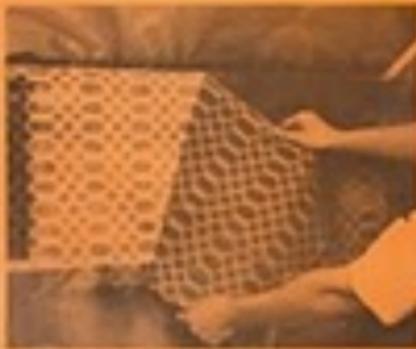
1. Cut lace to desired size and lay lace down on paper. Spray the back side of lace with a light coat of Temp-Tac Adhesive n20-201.
2. Apply lace along panel to be painted, making sure it is firmly adhered to surface by rubbing your finger over it.
3. Choose an attractive contrasting color, and hold can approximately 14" from surface. Apply a 90° dry coat, moving quickly, in a horizontal direction. Do not spray a heavy coat.
4. Repeat process. However, spray in a 45° angle to first coat.
5. Repeat Step 2.
6. Wait 5 minutes and remove lace.
7. Shade panel edge by holding can approximately 12" from the panel surface and moving quickly, fog a light coat around outside edge of masked panel, directing the main body of the spray toward the top of the edge of the panel, allowing the overspray to do the shading. Repeat this process until desired effect is achieved.
8. Finish panel as per instructions on Page 10.



Spraying Lace Pattern



Removing Lace Pattern



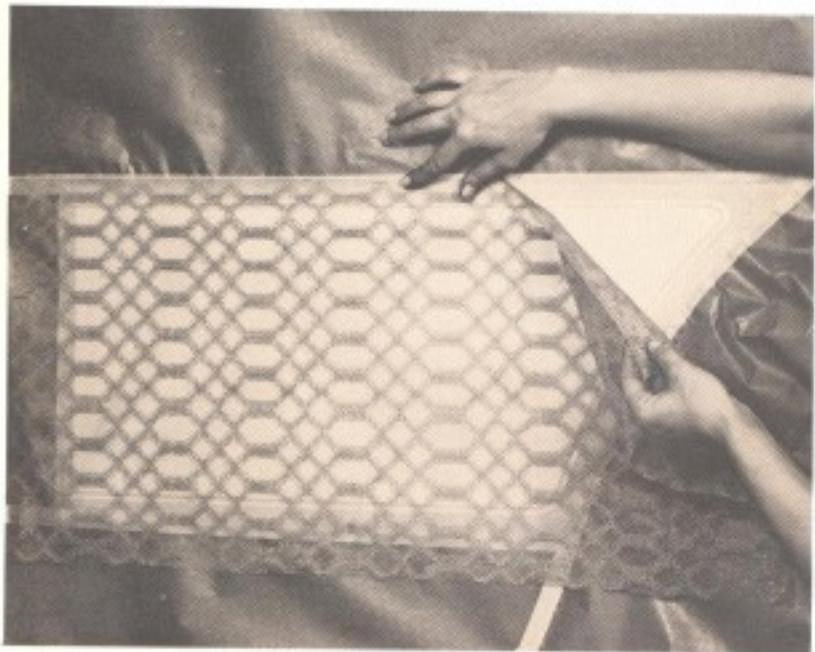
Removing Lace From Panel



Finished Lace Panel

multi-color lace

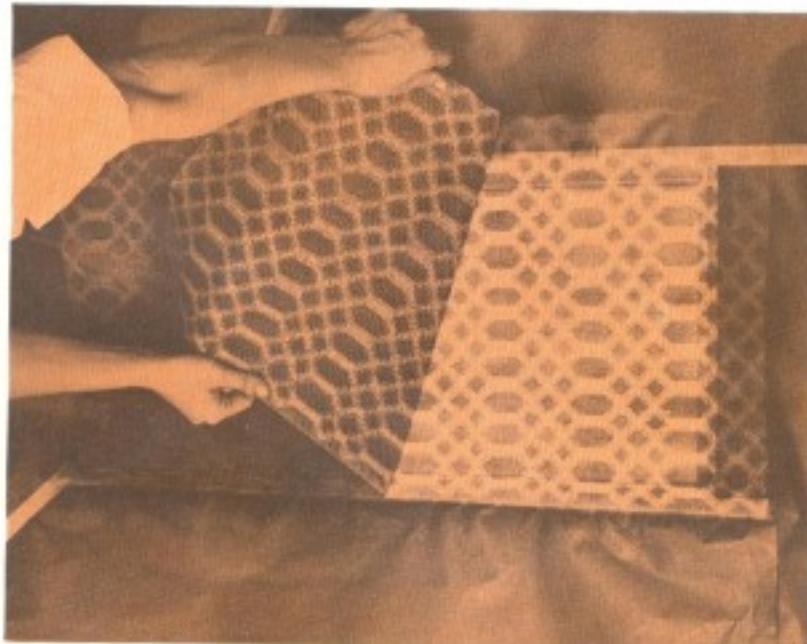
1. Apply silver base as per instructions for Contrasting Color Background on Page 6.
2. Using Tempo Competition Hood Black #19-1702, follow instructions for Lace Panel on Page 7 Steps 1 thru 6.
3. Using Tempo Candy Blue, #17-1205, shade the edge of the panel by holding the can approximately 12" from the surface, and moving quickly, fog a light coat around outside edge of masked panel, directing the main body of the spray toward the tape at the edge of the panel. Allow the overspray to do the shading. Shade a broad band of approximately 3" wide. (If car is blue, substitute Candy Yellow).



Applying Lace Pattern



Spraying Over Lace



8 Removing Lace from Panel



Spraying 3" Wide Border (Step 3)

endless line

- 4.. Repeat this process until desired effect is achieved.
5. Using Tempo Candy Red, #17-1206, fog spray random patches in a fog coat, approximately 12" x 6" across panel, covering about half of the surface, and overlapping into the blue slightly.
6. Fog 2 more coats over the patches or until a uniform red color is achieved.
7. Using Tempo Candy Yellow, #17-1204, fog coat the remaining silver areas, overlapping slightly onto the blue and red. Repeat until a uniform color is achieved.
8. Finish panel, as per instructions on Page 18.

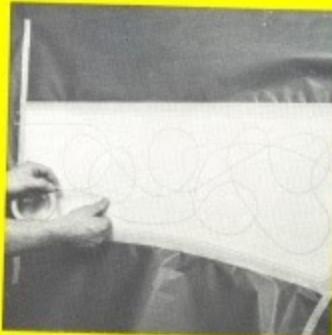


Spraying Random Patches (Steps 4 and 6)



Finished Multi-Color Lace Panel

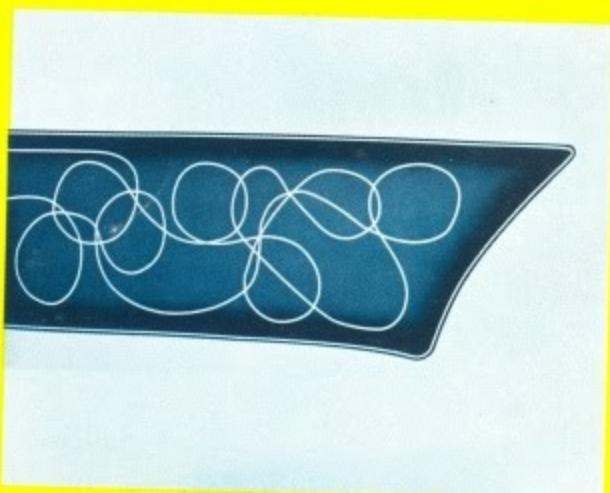
1. Using 1/8" masking tape, apply in a random pattern, making sure that the tape is firmly adhered. Your imagination is the only limitation to the design. Some examples can be seen in center pictorial spread, but create the design that turns you on.
2. Using a contrasting color, spray panel evenly, as per can instructions, as though tape was not there.
3. Allowing 5 minutes drying time between coats, repeat procedure until an even color is achieved.
4. Shade panel edge by holding can approximately 12" from the surface and moving quickly, fog a light coat around the outside edge of masked panel, directing the main body of the spray toward the tape at the edge of panel, allowing the overspray to do the shading. Repeat this process as desired.
5. Allow 4 hours drying time and then carefully remove tape.
6. Finish panel as per instructions on Page 18.



Applying 1/8" Tape

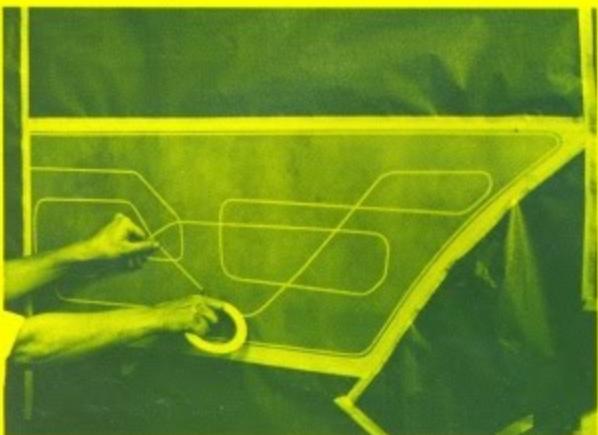


Spraying Entire Panel

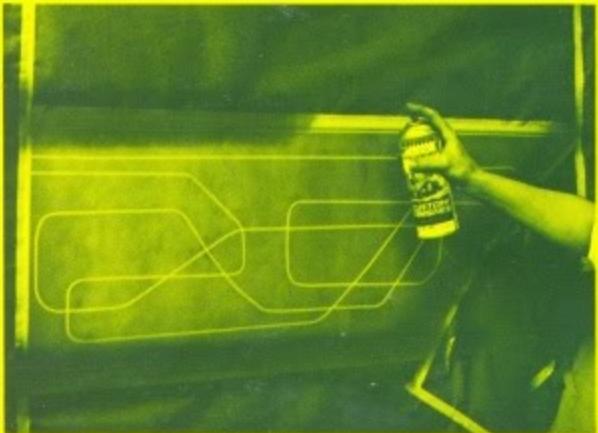


Completed Pattern with Shaded Edges

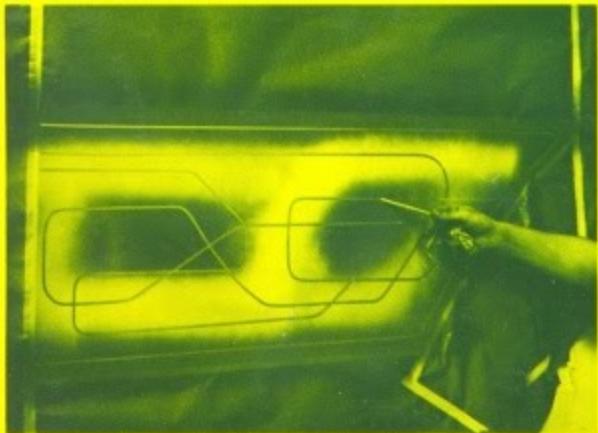
psychedelic panel



Applying 1/8" Tape Random Design



Shading Panel Edge

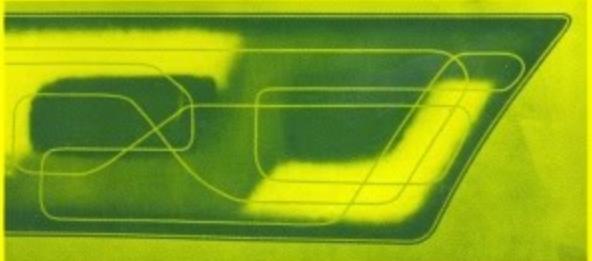


Removing Tape

1. Apply Silver Base as per Background instructions on Page 5.
2. Using 1/8" masking tape, apply in a random pattern, making sure that the tape is firmly adhered. Your imagination is the only limitation to the design. Some samples can be seen in center pictorial spread, but create the design that turns you on.
3. Using Tempo Candy Blue, #17-1205, for a 3" band around outside edge of panel. Repeat until a uniform blue color is achieved. (If base color of car is blue, use Candy Yellow for this step and Candy Blue for step 4).
4. Using Tempo Candy Yellow, #17-1204, spray random patches approximately 12" x 6" across panel, covering approximately half of the remaining silver surface.
5. Repeat process until a uniform yellow color is achieved.
6. Using Candy Red, #17-1206, fog coat the remaining areas, overlapping slightly onto the red and blue.
7. Repeat process until a uniform red color is achieved.
8. Allow 4 hours drying time, and then carefully remove tape.
9. Finish panel as per instructions on Page 18.



Spraying Random Patches of Blue and Yellow



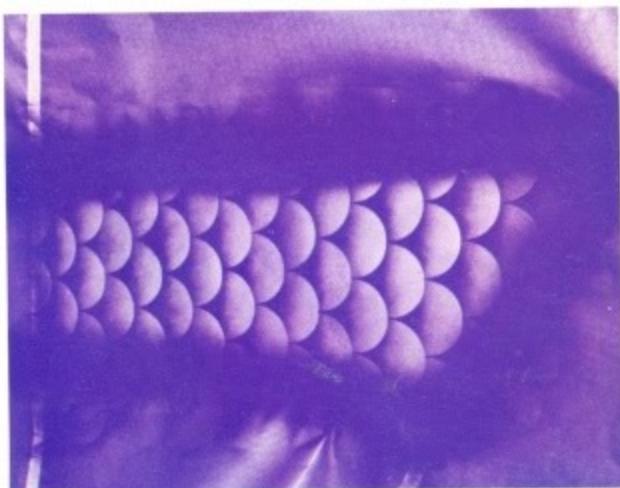
Finished Panel

shell panel

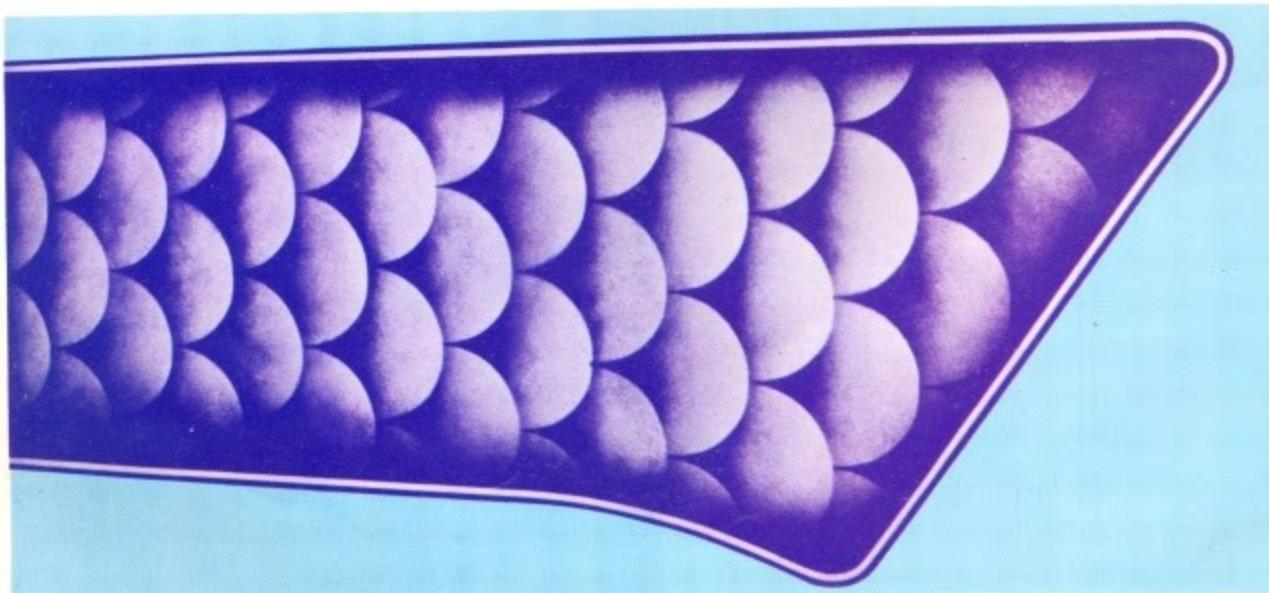
1. Take Shell template in your left hand and the Tempo spray can, color of your choice, in your right.
2. Start at extreme right edge of the panel, holding the template tightly to the surface.
3. Holding the can at a 45° angle, fog coat along the edge of the template, moving your hand quickly and directing the main body of the spray onto the edge of the template, so that the overspray achieves the pattern. Without moving the template, spray a second coat.
4. Carefully move the template to the left and up and align centers of the shell with rear peaks of the design just applied. Repeat spraying procedure in Step 3.
5. Carefully move template to the left and down, align and once again repeat spraying procedure.
6. When template appears to be getting loaded with wet paint, (after approximately 10 spray passes) set it aside to dry and use the second template supplied.
7. Repeat spray procedure until complete panel is covered.
8. Shade panel edge by holding can approximately 12" from the surface and moving quickly, fog a light coat around outside edge of masked panel, directing the main body of the spray toward the tape at the edge of the panel, allowing the overspray to do the shading. Repeat this process until desired effect is achieved.
9. Finish panel as per instructions on Page 18.



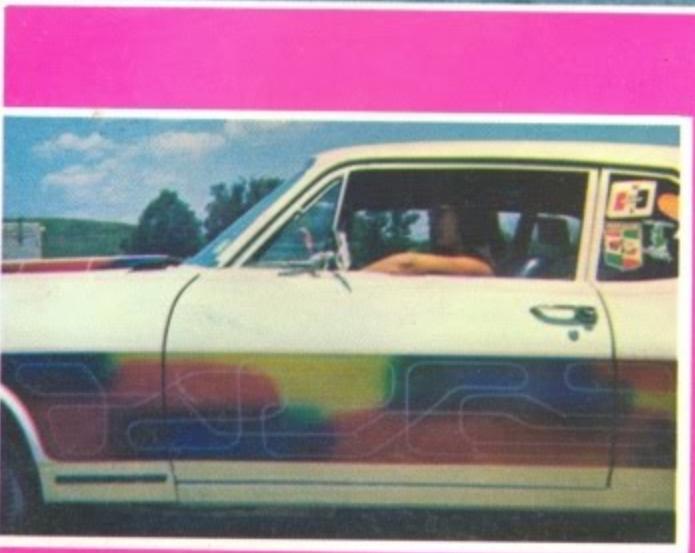
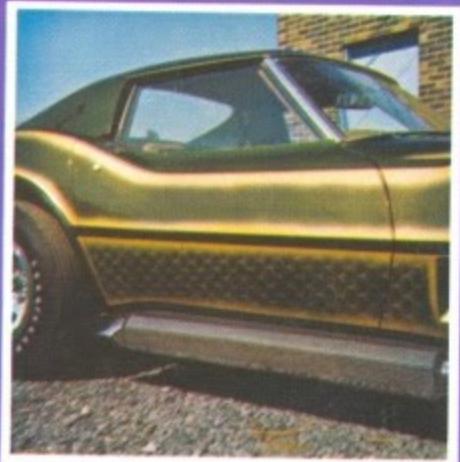
Positioning Shell Template

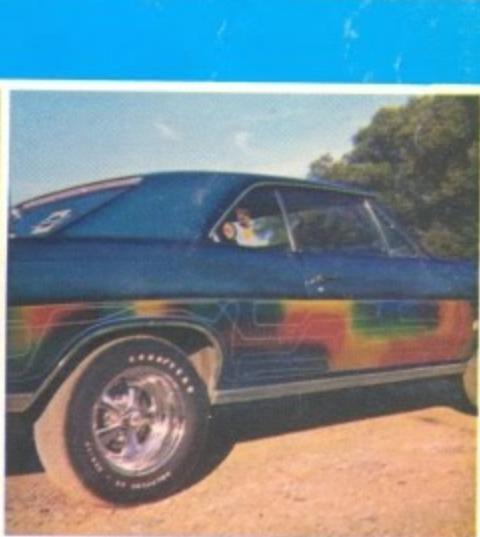
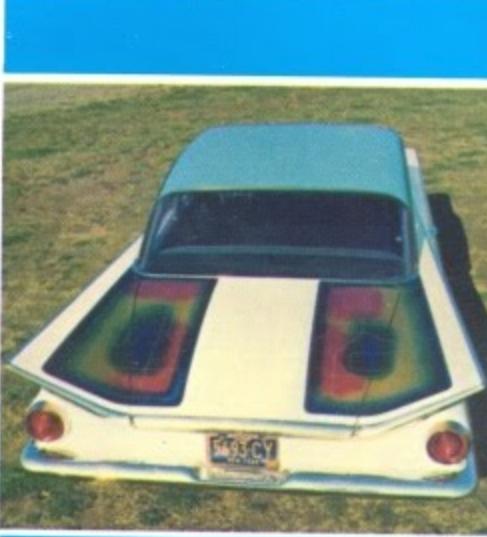
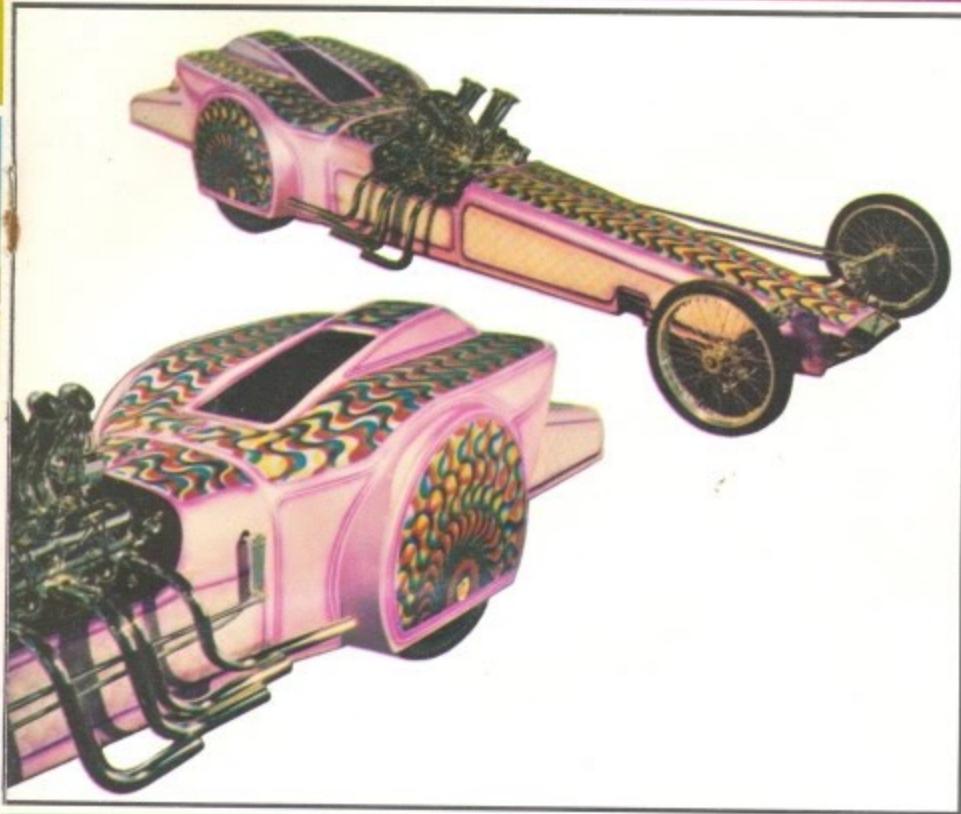


Pattern and Shading Completed



Completed Shell Pattern





quilt panel

1. Take Quilt template in your left hand and the Tempo spray can, color of your choice, in your right.
2. Start at extreme right edge of the panel, holding the template tightly to the surface.
3. Holding the can at a 45° angle, fog coat along the edge of the template, moving your hand quickly and directing the main body of the spray onto the edge of the template, so that the overspray achieves the pattern. Without moving the template, spray a second coat.
4. Carefully move the template to the left and up and align centers of the Quilt with rear peaks of the design just applied. Repeat spraying procedure in Step 3.
5. Carefully move template to the left and down, align and once again repeat spraying procedure.
6. When template appears to be getting loaded with wet paint, (after approximately 10 spray passes) set it aside to dry and use the second template supplied.
7. Repeat spray procedure until complete panel is covered.
8. Shade panel edge by holding can approximately 12" from the surface and moving quickly, fog a light coat around outside edge of masked panel, directing the main body of the spray toward the tape at the edge of the panel, allowing the overspray to do the shading. Repeat this process until desired effect is achieved.
9. Finish panel as per instructions on Page 18.



Positioning Quilt Template

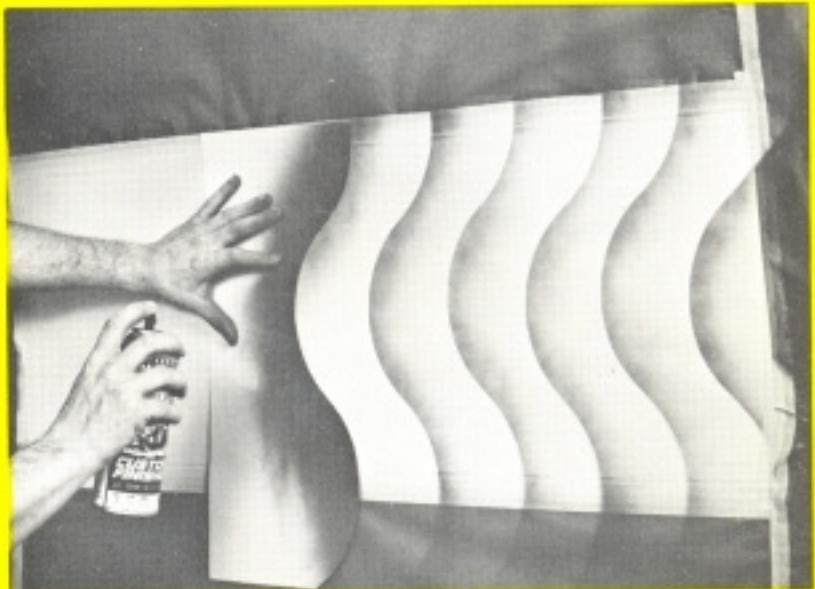


Spraying Edge of Template

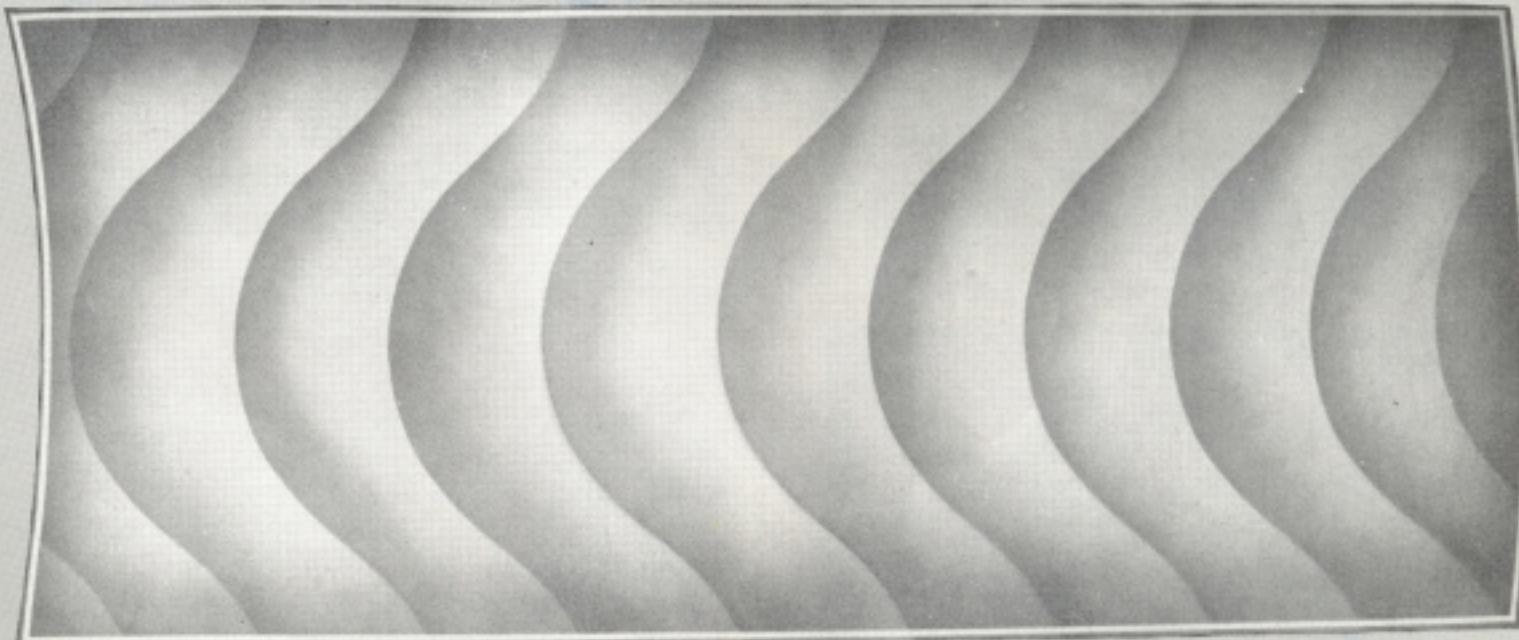


swirl panel

1. Take the Swirl template in your left hand and the Tempo can, color of your choice, in your right. Start at the extreme right edge of the panel, holding the template tightly to the surface.
2. Holding the can at a 45° angle, fog coat along the edge of the template, moving your hand quickly and directing the main body of the spray onto the edge of the template, so that the overspray achieves the pattern. Without moving the template, spray a second coat.
3. Carefully move the template to the left approximately 3" and repeat Step 2.
4. Continue moving template to the left at 3" intervals until complete panel is covered. (Alternate templates after approximately every 10 passes, or when the edge seems to be getting heavily coated with wet paint).
5. Shade the edge of the panel by holding the can approximately 12" from the surface and moving quickly, fog a light coat around the outside edge of masked panel, directing the main body of the spray toward the tape at the edge of the panel, allowing the overspray to do the shading. Repeat this process until desired effect is achieved.
6. Finish panel as per instructions on Page 18.



Positioning of Swirl Pattern



Completed Swirl Pattern

fantasy panel

1. Use Tempo White Pearlescent, #17-1200, for a background. For best effect, follow instructions for Pearlescent Background on Page 5.
2. Using Tempo Hi-Performance Lime Green, #19-1701, take the Swirl template in your left hand and the can in your right. Start at the extreme right edge of the panel, holding the template tightly to the surface.
3. Holding the can at a 45° angle, fog coat along the edge of the template, moving your hand quickly and directing the main body of the spray onto the edge of the template, so that the overspray achieves the pattern. Without moving the template, spray a second coat.
4. Carefully move the template to the left approximately 4" and repeat Step 2.
5. Continue moving template to the left at 4" intervals until complete panel is covered. (Alternate templates after approximately every 10 passes, or when the edge seems to be getting heavily coated with wet paint.)
6. Shade the edge of the panel by holding the can approximately 12" from the surface and moving quickly, fog a light coat around the outside edge of masked panel, directing the main body of the spray toward the tape at the edge of the panel, allowing the overspray to do the shading. Repeat this process until desired effect is achieved.



Large and Small Circle Patterns

17. Take the large triangle template in your left hand and can of Tempo Fluorescent Red Orange, #18-1301, in the right. Hold the template flat against the panel and lightly fog paint on the edges of the template, directing the main body of the spray onto the template and letting the overspray achieve the effect. Repeat the procedure, spraying the large triangles at random angles between them.
18. Using the small triangle template and Tempo Candy Yellow, #17-1204, repeat the procedure in Step 7, overlapping the large triangles at random angles.
9. Using Tempo Candy Blue, #17-1205, and the large circle, repeat the procedure in Step 7.
10. Using Tempo Candy Red, #17-1206, and the small circle, repeat Step 7, overlapping the large circle at random spots.
11. Using the Star, repeat the procedure in Step 7, using each of the preceding colors and overlapping at random onto the other patterns.
12. Using Tempo Candy Yellow or Hi-Performance Lime Green, shade edge of panel by holding the can approximately 12" from the surface and moving quickly, fog a light coat around the outside edge of masked panel, directing the main body of the spray toward the tape at the edge of the panel, allowing the overspray to do the shading. Repeat this process until desired effect is achieved.
13. Finish panel as per instructions on Page 18.



Large and Small Triangle Patterns



16 Spraying Star Template



Complete Fantasy Panel

flames



Tracing the Template



Masking the Flame



Spraying the Flame Tips



Completed Flame

1. Press Flame template firmly against car and trace out the desired pattern with a pencil.
2. Following the edges of the pencil line, outline the complete pattern with 1/8" masking tape.
3. Go over all tape with your fingertips, pressing firmly to be sure tape is smooth and firmly adhered.
4. Using 3/4" and 2" masking tape, mask off all areas between and around flames.
5. Mask off outer areas with newspaper or masking paper.
6. Using fine steel wool, rough up all areas to be painted, paying close attention to areas immediately adjacent to the tape to avoid paint peel-

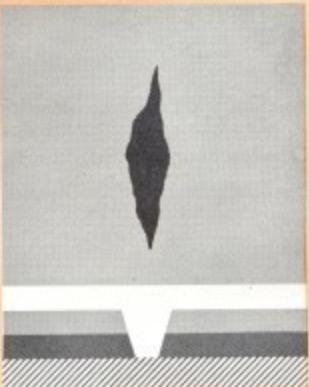
ing when tape is removed.

7. Wipe area to be painted with a Tempo Tack Rag, #403 TTR.
8. Using Tempo Hi-Performance Lemon Twist, #19-1706, fog coat the exposed areas.
9. Repeat procedure until an even color is achieved.
10. Using Tempo Candy Red, #17-1206, lightly fog spray tips and lower inside border until desired effect is achieved.
11. Wait 5 minutes and then spray 2 coats of Tempo Clear Lacquer, #17-1202, allowing 10 minutes drying time between coats.
12. Allow 3 hours drying time before carefully removing the masking.

touch-up

PREPARATION

A typical scratch.
Lower view is a
cross-section,
enlarged.

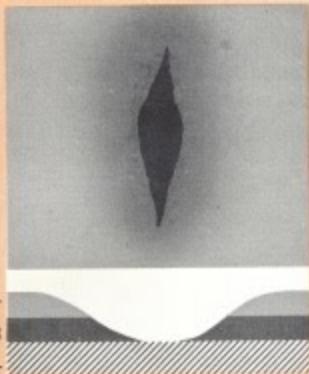


SURFACE PREPARATION

Proper preparation of the damaged area and the surrounding surface is of the greatest importance.

Sand lightly with No. 400 wet or dry sandpaper and water. Sand along the scratch until it is gone, taking off no more paint than is necessary. Then feather outward for a half inch on each side of the scratch, using a light rotary motion and tapering out to the full thickness of the paint. Keep the sanded area as small as possible.

The scratch after
sanding. Note
feathering of
paint.



For nicks or round spots use a rotary sanding motion and sand as described above.

Avoid sanding through to bare metal if at all possible. On edges and corners sand very lightly, as it is very easy to expose bare metal at these points.

When the area is thoroughly sanded and feathered and feels smooth, wipe it clean with oil-free naptha. Mask the area with paper and masking tape to avoid spraying more than necessary.

Wipe the entire surface to be painted with a Tempo Tack Rag #403TTR to remove all dust and lint. Now you are ready to apply Tempo Instant Spray Auto Touch-Up Paint in your exact matching color.

panel finishing

1. Allow at least 3 hours drying time before finishing panels.
2. If a 1/8" masked pinstripe border has been used, carefully remove this tape, now.
3. Using Tempo Clear Acrylic Enamel, #17-1203, and following the directions on the can, spray an even coat over panel.
4. Wait 10 minutes and repeat Step 3.
5. If a smoother surface is desired, wait 3 days and then hand rub the panel with a polishing compound. Your dealer can recommend a good one.
6. After 30 days, wax panel.

super show finishing

1. Allow at least 3 hours drying time before finishing panels.
2. If a 1/8" masked pinstripe border has been used, carefully remove this tape, now.
3. Using Tempo Clear Acrylic Lacquer, #17-1202, spray an even wet coat over complete panel, following can directions.
4. Waiting 10 minutes between coats, apply 5 more coats.
5. After 2 days set-up time, carefully wet sand the panel with #600 paper.
6. Clean and dry panel and wipe with a Tempo Tack Rag, #403 TTR.
7. Apply 1 more wet coat of Tempo Clear Acrylic Lacquer.
8. After overnight drying, hand rub briskly with a good hand rubbing compound until desired gloss is achieved.
9. After 30 days, wax.

technique

preparation/priming/painting

OF METAL

After applying aerosol primer.

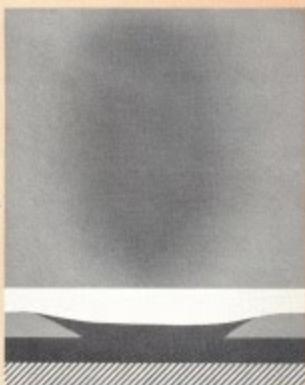


WHEN TO USE PRIMER

If bare metal should be exposed when sanding out a deep scratch, then an appropriate Tempo aerosol primer should be used before applying the finished top coat.

Spray on several light coats of primer following the directions on the can. Allow five minutes drying time between coats.

Primer has been sanded, primer overspray removed.



Wet sand lightly with #400 sandpaper and water. Any primer overspray outside the prepared area should be removed with rubbing compound. Prior to applying the finished color coat, wipe the entire area with a Tempo Tack Rag.

The surface is now ready to be painted with the color coat. Select the exact-match car color from Tempo's wide selection of Instant Spray Auto Touch-Up Paints. Techniques for performing minor touch-up jobs are described elsewhere in this book.

TOUCH UP SHIELD

For speedy touch-up of *very small nicks or scratches*, use a Touch-Up Shield. This shield allows you to spray the paint just where you want it and keeps it off any surrounding area or trim. By using this shield, you can eliminate any elaborate masking of chrome trim and avoid having any overspray dust.

STEP 1

In the center of a stiff piece of paper, cardboard or shirtboard about letter size or larger, cut a slit about the size of the scratch to be painted.

STEP 2

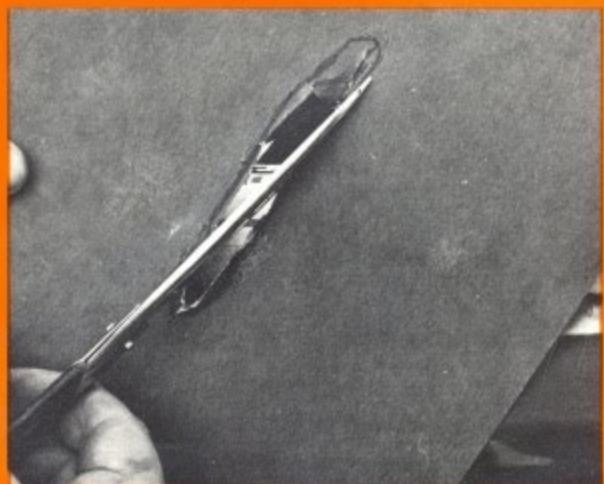
Hold the Touch-Up Shield about 1/2" to 1" away from the car surface with the slot lined up with the area to be painted. Hold the shield back as illustrated.

STEP 3

When ready to paint, start to spray on the left side of the hole, moving across the shield and passing the hole. Stop the spray on the shield after passing the hole. Allow the paint to dry a few minutes, then apply a second or third coat as necessary.

STEP 4

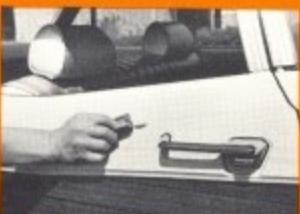
Holding the shield back from the surface to be painted allows the spray to hit only the spot to be painted with enough overspray to blend into the original paint with a smooth feather edge without any sharp laps or lines.



REPAIRING SCRATCHES



1 — Section of door panel showing paint chipped off to bare metal.



2 — Sand scratched area to feather-edge. Wipe area with Tempo Tack Rag #403TTR.



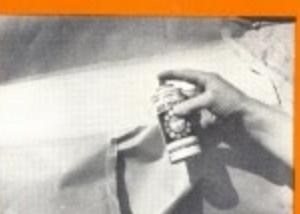
3 — Hold touch-up shield about $\frac{1}{2}$ " away from surface, spray Tempo Primer #6-11A through hole onto sanded area.



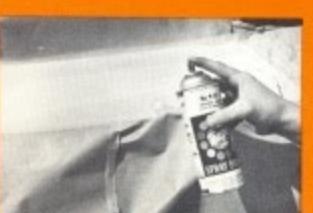
4 — Primed spot is sanded with #400 wet or dry sandpaper.



5 — Primed spot and surrounding area is wiped free of dust with Tempo Tack Rag and is ready for finish color coat.



6 — Apply Tempo Touch-Up Paint in factory matching Dupont color. It's easy with Tempo's unique Fanspray® Valve.



7 — After drying for about 10 minutes, spray the repaired spot and surrounding area with Tempo Overspray Leveler #9-10 to eliminate overspray dust.



8 — Finished door section... identical to original finish.

PREPARATION OF METAL FOR TOUCH-UP PAINTING

BEFORE ANY SANDING . . . the surface should be wiped free of any wax, grease, dirt or polish with a cloth soaked in oil free naptha or paint thinner. Then wiped clean of any residue with a clean dry cloth.

SILICONE POLISHES — Waxes and polishes containing silicones are difficult to remove completely from any painted surface. It is imperative that these silicone polishes be removed completely because even the slightest residue will cause improper adhesion of the repaint film and will produce "fish eyes", "craters", and spots almost immediately in the new paint film. If a surface is thought to have silicone wax on it or if these unusual effects show themselves on a test area touch-up, then the special cleaning treatment is recommended as follows:

1. Wash off the area to be painted with a clean rag saturated with a good solvent made for cleaning silicones, or with oil free naptha. While still wet, switch to dry clean rags and wipe thoroughly. Change rags frequently.
2. If any sanding is necessary, water sanding is preferred, since it will keep down any silicone dust. After sanding, wash off with water and dry thoroughly.
3. Repeat operation (1) above.

SANDING . . . of the damaged spot should be done with a #400 Wetordry type abrasive paper using water. Wet sanding is accomplished by dipping the sandpaper in water before using and occasionally dipping the sandpaper in water while using it to keep the paper clean and to maintain the best abrasive cutting action. Sharp edges should be smoothed down or "feathered in" for about 1/2" around bare spots. It is better to take a few light strokes than to try and hurry the job with less strokes and heavy pressure.

1. **Straight or line scratches:** Sand lightly along the scratch until the finish at the edge is very thin, but do not make the area larger than necessary. Exercise care to avoid cutting through to bare metal. Finish sanding with a light rotary motion along the edge to smooth it down to a feather edge.

preparation/priming/painting (continued)

2. **Round Spot:** Sand as before but use a rotary motion only.
3. **Edges and Corners:** A straight sanding motion should give a satisfactory feather edge. Care should be taken to sand very lightly on edges and corners, as cutting is more rapid on such small surfaces and exposing bare metal should be avoided.

WIPE THE AREA THOROUGHLY . . . with a lint free cloth and oil free naptha or paint solvent. Then wipe entire area with Tempo Tack Rag.

PROTECTION OF SURROUNDING SURFACES

1. The use of masking tape and newspaper to protect nearby surfaces such as chrome and other colors not to be painted is recommended because of the slight spray dust.
2. Where it is necessary to use primer or on small spots, the use of the touch-up shield is recommended.
3. On touch-up areas where the color coat only is being used, it is not advisable to use masking tape and newspaper, except on chrome and nearby areas of a different color. Any overspray dust can be cleared up by the use of the Leveler and rubbing compound. Overspray Leveler #9-10.

USE OF PRIMER

1. Where bare metal is exposed, a primer should be used to insure good adhesion and long life of the finish. Apply primer according to directions on the can and allow the final prime coat to dry at least 30 minutes before sanding with #400 Wetordry type sandpaper and water. Any overspray dust from the primer should be removed with rubbing compound before applying the color coat. Use oil free naptha to remove all traces of rubbing compound.
2. If the primer does not build up the damaged area to the level of the surrounding area, use pyroxylin lacquer putty filler and #400 Wetordry type sandpaper.

(CAUTION: Do not use Leveler as a thinner for cleaning up, as it softens the primer and putty, and freshly lacquered finishes.)

Wipe entire area with a Tempo Tack Rag prior to spraying.

USE OF TEMPO INSTANT SPRAY

1. Shake well, allowing the internal metal agitator to thoroughly mix the contents. You can hear the ball clicking as you shake well.
2. Make sure the can is not too cold, keep at room temperature.
3. Do not use lacquers over air dry enamel.
4. Remove protective cover. Then depress the valve completely with the forefinger. Partial valve opening produces droplets and faulty atomization.
5. **ABSOLUTE MUST!** Hold the tool no closer than 6" to 10" from the surface. If held too close, paint will pile up on surface and bubble because the propellant has not been allowed to escape. Held too far away, the spray will be too thin and results will be spotty.
6. Practice briefly on another surface. This is important to get the feel of spraying.
7. Do not attempt to cover with one heavy coat. Sags and runs will result. Use quick, short strokes, allowing the paint to become tacky between coats. Where possible, position the work horizontally. This requires less skill and time.

FINAL APPEARANCE

1. The touched up area should be oversprayed with a light mist coat of LEVELER to blend in any dry overspray dust ring around the touch-up area. Apply Leveler sparingly after the paint has had time to set up. If properly applied, the need for any further rubbing is largely eliminated.
2. Allow to dry 4 hours.
3. If any overspray dust is noticed on the surrounding areas, fine rubbing compound may be used to remove it, or to finish off the actual touch-up area if necessary. On appliances too much rubbing will remove the porcelain-like effect of the paint touch-up, leaving a too-smooth surface.
4. Allow 30 days for the finish to thoroughly season before waxing.

HOW TO SPRAY METALLIC FINISHES

With the availability of Automotive Touch-Up Paint in spray cans, getting perfect color matches and a smooth professional-like finish is relatively simple with solid colors, as long as the proper color is selected.

However, in the last few years, the automotive industry has gone to many glamorous high metallic finishes that may require special attention in touch-up or even large panel repair by both the professional and amateur alike. The finish in the can can be scientifically matched to the car maker's standards and still not accurately match the original finish. Here are some reasons why.

As the name applies, metallic finishes contain a quantity of metal particles which combine with the color pigment to impart varying color effects of the finish. The color effect depends on how these particles arrange themselves on the surface of the paint film. In production, if the original finish was sprayed *dry*, then the particles are trapped at various angles near the surface. The resulting color effect will be highly metallic and light in appearance.

If, on the other hand, the finish is sprayed *wet* the particles will have time to settle in the paint film and this will allow more color to be reflected and the color effect will have less metallic reflection and, therefore, appear darker.

TO MATCH METALLICS the trick is to simply spray the touch-up job in the same manner that the finish was sprayed originally. That is, with the same

degree of dryness or wetness in the spray technique. It is helpful to practice on an inconspicuous spot in the trunk or on a door jam first, to get the proper spray technique to exactly match the original finish. The following pointers may prove helpful.

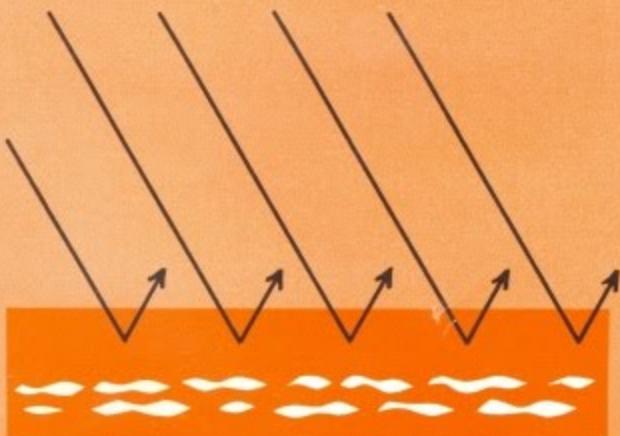
First, remember to always double-check the part number, color name, model and code on the can against the car being used. Also check colored cap against car finish. Then thoroughly agitate the can for several minutes by holding the can on the top and rotating the can so the metal ball rolls around the bottom of the can and also by pumping the can up and down for several minutes as well.

If the touch-up color appears too dark, it may be lightened by creating more of a dry spray as follows:

- Make sure that the surface to be sprayed is 70°F. or warmer and that the can is not chilled. The touch-up can itself can be warmed to 70° by placing in a can of luke warm water for a few minutes.
- Increase the distance the can is held from the surface.
- Speed up the spray stroke.
- Increase the flash time (drying time) between coats.

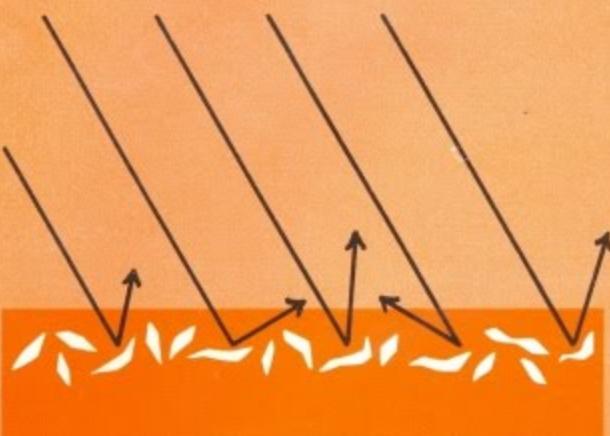
If the color appears too light, it may be darkened by a wetter spray technique as follows:

- Decrease the distance from the surface.
- Slow down the spray stroke.
- Decrease the flash time (drying time) between coats.



WET SPRAY PAINT FILM

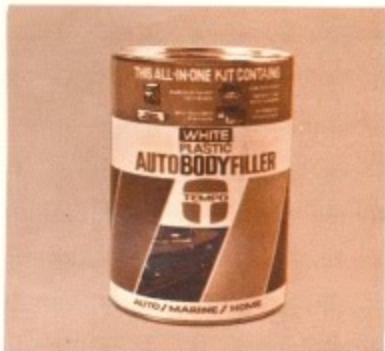
Less light reflected — as metallic particles have time to settle in paint film. *Color appears darker.*



DRY SPRAY PAINT FILM

More reflected light in metallic particles trapped near surface at various angles. *Color appears lighter.*

REPAIR OF MINOR DENTS



Tempo's All-In-One Kit of Auto Body Filler in black or white plastic or in fiberglass reinforced for body repairs or redesigning.



Photo 1 — Clean surface around damaged area with a wax and grease remover to prevent possible paint failure.



Photo 2 — Sand the damaged area by hand or with a power sander to remove all paint. Feather the paint edges with #400 wet or dry sandpaper.



Photo 3 — Mix sufficient amount of Tempo Plastic Body Filler to level the dented area. Apply the Filler to the damaged area, overlapping onto the surrounding metal surface.



Photo 4 — When the Filler cures, sand and shape with medium grade sandpaper. Finish sand with #400 wet or dry sandpaper.



Photo 5 — Prior to priming, remove all dust by wiping with Tempo Tack Rag #403TTR and apply Tempo Platinum Gray Primer #7-4000.



Photo 6 — When dry, sand the primed area with #400 wet or dry sandpaper until smooth.



Photo 7 — Prior to finish painting, wipe the dust from the entire area with Tempo Tack Rag.



Photo 8 — Choose your exact-match Tempo Auto Touch-Up Paint and paint the repaired area to match the rest of the car.

reconditioning hints

The following are suggestions on "Car Grooming" from the ground up. Everything needed to recondition your special Rod or the old family car is available in handy Tempo aerosol packages.

TIRES:

Use either Tempo Black or Clear Tire and Mat Dressing for the Brand new look.

WHEELS:

Tempo Hi-Performance Black or your choice of dozens of other colors in Tempo Lacquers or Enamels.

FRAME:

Tempo Silver, Aluminum or White Enamel or Lacquer or dozens of other bright colors.

UNDERBODY:

Automotive Undercoat for maximum rust protection and sound deadening.

ENGINE:

Tempo Engine Degreaser for cleaning in preparation of painting. Paint to match original finish with one of 22 factory-match engine enamels.

ENGINE COMPARTMENT:

Restore to new appearance with Tempo Flat Chassis Black.

ALTERNATOR:

Flush grease and dirt away in one easy operation with Tempo Alternator Generator Cleaner.

BATTERY:

Clean away power robbing corrosion with fast-acting Tempo Battery Cleaner. When dry, spray with Tempo Battery Protector for long lasting service. Stop power loss on top of battery case by spraying with Tempo Red Insulating Varnish.

IGNITION:

Spray wires and distributor with Tempo Ignition Spray to waterproof.

RUSTED NUTS and BOLTS:

Loosen with Tempo Penetrating Oil in handy aerosol.

CHROME WHEELS and BUMPERS:

Tempo Penetrol MAG Wheel Spray. Seals out and controls rust and oxidation.

INSIDE CAR:

Clean dirty carpets and fabric seats with Tempo Vinyl/Fabric Cleaner.

VINYL SEATS and DOOR PANELS:

Clean with Tempo Vinyl Solvent Cleaner and spray a new matching or contrasting finish with Tempo Color Sprays for Vinyl. Not a paint but a special vinyl coating.

RUBBER PARTS and WEATHER-STRIPPING

Use pure Tempo Silicone Spray to lubricate and stop squeaks.

VINYL TOP:

Clean with Tempo Vinyl Solvent Cleaner and re-color with Tempo Top Color, a specially formulated exterior vinyl coating.

BODY FINISH:

Touch-up nicks and scratches with exact matching Tempo Instant Spray Auto Touch-Up Paint in 300 original factory-match colors.

CREATIVE PANELS:

Follow the techniques illustrated in this book for a Custom Show Car effect using Tempo's Custom Finishes.

HOOD FINISH:

For a racey Custom Car look use Tempo Hi-Performance Low-Sheen Hood Black on hood and spoilers.

For a complete listing of all of Tempo's aerosol products and part numbers, write for free catalog No. AC-69 and color chip card No. CC-71.

RECONDITIONING PAINT AND PRODUCTS BY



TEMPO INSTANT SPRAY

The finest paint touch-up tool ever devised — is available to you. The complete self-pressurized spray container provides the perfect way to reproduce the original factory finish on automobile scratches, rust spots or mars.

CHECK THESE FEATURES:

- Original automobile paint in factory colors.
- Fanspray Valve for "Pro" results.
- Dries in minutes.
- Produces a glossy durable finish
- Will not dry out or lose pressure in the can.
- No brushes, therefore no brush marks or laps.
- Always ready to use in seconds.

AVAILABLE IN FACTORY MATCHED COLORS FOR:

GENERAL MOTORS CORP. CHRYSLER CORP.
FORD MOTOR COMPANY

Made from DuPont "Duco"® and "Lucite"® Lacquers

ALSO AVAILABLE IN TEMPO INSTANT SPRAY

Automotive Primers

Metallic Flake Custom Finishes

Hi-Performance "Hot" Colors

Automotive Engine Enamels

Ultra-High Temperature Paints (1200°)

A complete line of 16 oz. enamels

Color Spray for Vinyls in Automotive OEM Colors

*Popular Specialty Items such as Trunk Speckle Paints,
Ignition Spray, Smooth Silicone Spray Lubricant,
Degreasers, Chrome Protector Spray, etc.*





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THE CORPORATE PARTNERSHIP
6200 Cochran Road, Cleveland, Ohio 44139

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