



TH21

Pinstripe

**Uniform
Procedures For
Collision Repair
UPCR**

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v.4.0



1. Description

This procedure describes methods for removing and applying pinstripes. Inspection and evaluation requirements are also included.



2. Purpose

The purpose of this procedure is to provide industry-accepted requirements for performing high-quality replacement of pinstripes. This procedure is intended for use by professionals who are qualified through training and experience.



3. Referenced Documents

The following documents are considered part of this procedure by reference.

3.1 Procedures

- HM01 Hazardous Materials
- PS01 Personnel Safety
- RF01P Surface Preparation
- RF01S Surface Preparation
- TH11 Decal

3.2 Other Information

- Equipment-specific information
- Product-specific information
- Vehicle-specific repair information



4. Equipment And Material Requirements

4.1 Equipment

The use of this equipment is included in this procedure:

- pinstripe stencil kit
- pinstripe paint-application kit
- pinstripe tape-cutting tools
- plastic razor blades
- razor knife
- heat gun
- steamer
- pinstripe paint brush
- spray gun system
- rotary tool

4.2 Materials

The use of these materials is included in this procedure:

- pinstripe tape
- adhesive remover
- chemical stripe remover
- non-abrasive disc



5. Damage Analysis

5.1 General Damage

Inspect pinstripes in the damaged area for these conditions:

- breaks or missing sections
- peeling
- fading
- sagging
- bubbling

Determine whether the pinstripes will be repaired or replaced. If they are to be replaced, determine if the repair will be sublet to a specialty facility. Also determine if a complete replacement painted pinstripe will be applied between the color coat and clearcoat. Verify the availability of replacement materials.

Note: Some pinstripes are available only in a kit, for application on the entire vehicle or one side of the vehicle.



6. Personnel Safety

6.1 General Safety

General safety information is in **PS01**.

6.2 Finishing Materials

Finishing material safety information is in **RF01P** or **RF01S**.



7. Environmental Safety

7.1 Hazardous Materials

Hazardous material safety information is in **HM01**.

7.2 Finishing Materials

Finishing material environmental safety information is in **RF01P** or **RF01S**.



8. Vehicle Protection

8.1 Pinstripe Removal

To protect the vehicle when removing pinstripe tape:

- Keep the repair area as small as possible.
- Use a plastic-bladed tool or a non-abrasive disc.
- Test a small, hidden area before applying chemical removers to a panel that is not to be refinished.

8.2 Pinstripe Application

To protect the vehicle when pinstriping:

- Follow the vehicle and paint makers' recommendations for the amount of time to wait before pinstriping a newly applied finish.
- For proper performance, do not apply pinstripes when the temperature is below 16° C (60° F). Ideally, the surface temperature should be 16–27° C (60–80° F).
- When trimming or splicing an applied pinstripe, lightly drag a razor knife over the cut line. Do not cut into the finish.



9. Repair Procedure

9.1 Removing Damaged Pinstripe Tape

To remove damaged pinstripe tape:

1. Wash the pinstripe area with a pH-neutral soap and water. Rinse and wipe dry.
2. Clean the area with wax and grease remover.
3. Remove exterior trim and hardware along the line of the pinstripe, if required for access.
4. Remove the pinstripe, using a heat gun, steamer, plastic disc, plastic razor blade, chemical remover, or any combination.
5. Clean the repair area with the proper surface cleaner. Make sure all the original adhesive is removed.

9.2 Applying Replacement Pinstripe Tape

To apply replacement pinstripe tape:

1. Wash the panels to be pinstriped with a pH-neutral soap and water. Rinse and wipe dry.
2. Clean the pinstripe area with the proper wax and grease remover.

(cont'd)



9. Repair Procedure (cont'd)

- 3. Cut a length of the proper tape slightly longer than needed.
- 4. Remove the tape backing, if required.
- 5. Align and temporarily apply the tape, leaving the extra length to extend beyond the panel. Do not overstretch the tape. Use the existing pinstripe, on adjacent panels or the opposite side of the vehicle, as an alignment reference. Sight along the length of the tape from each end, and correct any misalignment.
- 6. Firmly press down along the length of the tape to hold it in place.
- 7. Remove the protective film from the tape, if required.
- 8. Trim the excess pinstripe, or continue it around the edge of the panel, as required. Do not cut into the finish.
- 9. Install any exterior trim and hardware that was removed for access.
- 10. Continue vehicle reassembly.

9.3 Replacing Painted Pinstripe

Note: Highly complex pinstripes, with multiple colors, may be more easily replaced by applying the pinstripe colors one step at a time, masking them off, then applying the base color to the panel.

To replace painted pinstripes:

- 1. Remove existing damaged pinstripes, if required.
- 2. Wash the panels to be pinstriped with a pH-neutral soap and water. Rinse and wipe dry.
- 3. Clean the repair area with the proper wax and grease remover.
- 4. Remove exterior trim and hardware, if required for access.
- 5. If using a stencil or striping tape, cut a length of the proper stencil or striping tape slightly longer than needed.
- 6. Align and temporarily apply the stencil or striping tape, leaving the extra length to extend beyond the panel. Do not overstretch the tape. Use the existing pinstripe, on adjacent panels or the opposite side of the vehicle, for alignment reference. Sight along the length of the stencil or striping tape from each end, and correct any misalignment.
- 7. Firmly press down along the length of the stencil or striping tape to hold it in place.
- 8. Remove the pull-out pieces, if required.
- 9. Mask adjacent areas, if required.
- 10. Lightly scuff the exposed stripe areas.
- 11. Apply the proper striping color with a brush or spray gun.
- 12. Allow the finish to partially dry.
- 13. Remove any remaining stencil or striping tape.
- 14. Install any exterior trim and hardware that was removed for access.
- 15. Continue vehicle reassembly.



10. Use Of Recycled (Salvage) Parts

Does not apply.



11. Inspection And Testing

11.1 Inspection Of Applied Pinstripes

Inspect applied pinstripes for these conditions:

- proper position and alignment
- proper color and design match with existing pinstripes
- proper adhesion
- no tape lines
- no bubbles or folds
- properly trimmed or spliced

Correct any defects.