2002 Mercury Mountaineer Four-Door Utility

Vital Info

NAGS® Number DW1417 GBY

This comes with the molding attached.

Windshield Removal

- 1. Pre-inspect vehicle with customer present or with pre-inspection worksheet. Note all damage to exterior, interior, and mechanical devices pertaining to windshield replacement. See The Seven Steps of Installation step 1 for further information.
- 2. Double check for correct glass parts, moldings, and miscellaneous supplies.
- 3. Put on all personal protection equipment (PPE) to reduce injury.
- 4. Protect the vehicle interior and exterior surfaces from possible damage. See The Seven Steps of Installation step 2 for further information.
- 5. As parts are removed from the vehicle, place them in an area where they will not be damaged or misplaced.
- 6. Remove the rearview mirror by grasping the mirror at the base and peel the mirror off the pad. This model has an electrochromatic mirror and wires are attached. Be careful not to damage the wiring harness.
- 7. Remove wipers by raising the wiper arm, pull out release, relax arm, and remove from wiper post.
- 8. Remove the two-piece cowl. Remove the six retainers at the leading edge of the cowl panel. Then remove panel.
- 9. The top and side moldings are vinyl coated metal. Cut the flexible edge from the remaining molding. Then

either pull off the remaining molding or leave in place.

- 10. Prior to removing the glass from the vehicle, remove any debris from between the glass and the body.
- 11. Cut out glass part with tools of choice.
- 12. Attach vacuum cups to the outside surface of the glass after wiping the surface clean.
- 13. Dry-set the new glass and create alignment markings.
- 14. Remove all but 1-2 mm (1/16 inch) of existing adhesive from the pinchweld area.

Caution: Do not touch or contaminate the existing adhesive once it is trimmed.

Installation

It is absolutely necessary to use an adhesive system. Do not mix products. This can include, but is not limited to, preps, primers, cleaners, and adhesive. Follow all installation procedures recommended by the vehicle or adhesive manufacturer.

Note: Depending on the technician's decision on where to apply the adhesive, pinchweld or glass, steps 2 and 4 may be reversed to allow proper time for the primers and preps to dry.

- 1. Remove safety gloves and put on nitrile gloves.
- 2. Apply metal primer to any exposed paint and/or scratches caused by the removal process. Allow to dry thoroughly according to adhesive manufacturer's recommendations.
- 3. Clean the glass with a lint-free disposable cloth.
- 4. Apply any or all preps and/or

primers to the bonding surface of the glass. Allow to dry thoroughly.

- 5. Apply a V bead of adhesive to the glass or pinchweld. Make sure that the height of the V and the size of the bead are consistent with the vehicle manufacturer's requirements.
- 6. Set the glass using vacuum cups and apply pressure to assure contact is made between the two bonding surfaces. Do not apply too much pressure.
- 7. Check for leaks with leak detector or water.
- 8. Re-install all other parts in reverse order.
- 9. Clean and detail vehicle.
- 10. Post-inspect the vehicle. See The Seven Steps of Installation step 7 for further information.

Installation contributed by Bob Beranek, Automotive Glass Consultants.

NOTES	