

Pivot Type Quarter Window

PART
42-33

SUBJECT	PAGE	SUBJECT	PAGE
REMOVAL AND INSTALLATION		REMOVAL AND INSTALLATION (Cont'd.)	
Glass	33-1	Quarter Window Assembly	33-2
Latch	33-2		

CR2027-2B

REMOVAL AND INSTALLATION

Refer to Part 43-01 for fixed Quarter Windows.

GLASS

PINTO AND BOBCAT (EXCEPT WAGON)

Removal

1. Remove the latch trim cover (Fig. 1).
2. Remove two screws attaching the latch to the roof side.
3. With an assistant, press on each side of the hinge,

and pull the hinge from the body. Repeat this procedure for the other hinge.

4. Push the hinge pin from each hinge with a small diameter rod inserted through the hole in the bottom of the hinge. Then, remove the hinges from the glass frame.

Installation

1. Install the latch bolt and nut on the glass.
2. Position latch to the latch bolt and install the pin.

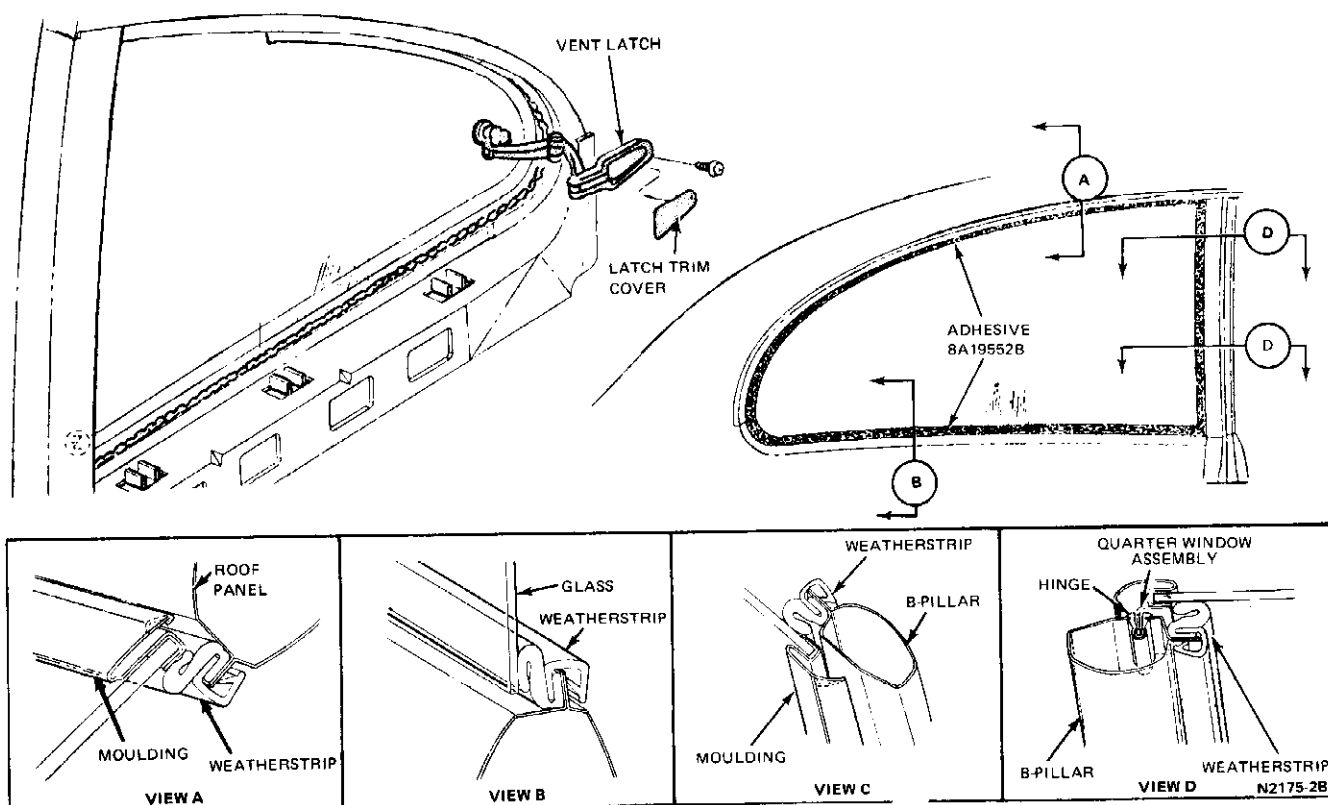


FIG. 1 Quarter Vent Window—Pinto and Bobcat (Except Wagon)

3. Position the hinges to the glass and install the hinge pins. The large hole in the hinge must be on top when installed.
4. Position the glass and hinges to the body. Press the hinges firmly into place.
5. Position the latch to the roof side rail and install the two attaching screws.
6. Install the latch trim cover.

PINTO AND BOBCAT WAGON

Removal

1. Mark the position of the latch on the body. Then, remove three screws attaching the latch to the body (Fig. 2).
2. With an assistant, depress each side of the hinge, and pull the hinge from the body. Repeat this procedure for the other hinge.
3. Push the hinge pin from each hinge with a small diameter rod inserted through the hole in the bottom of the hinge. Then, remove the hinges from the glass frame.
4. Remove the latch from the glass.

Installation

1. Install the latch on the glass.
2. Position the hinges to the glass and install the hinge pins. The large hole in the hinge must be on the top when installed.
3. Position the hinges to the body and press them firmly into place.
4. Position the latch to the body in the exact same location as it was before being removed. Failure to properly position the latch could result in glass failure.
5. Install the three latch attaching screws.

LATCH

1. Remove the latch trim cover (Fig. 1).
2. Remove two screws attaching the latch to the roof side.
3. Remove the pin from the latch retainer and latch at the glass. Then, remove the latch from the retainer.
4. Position the latch to the retainer and install the pin.
5. Position the latch to the roof side, and install the two attaching screws.
6. Install the latch trim cover.

QUARTER WINDOW ASSEMBLY

Mustang II

The Mustang II 3-door model quarter window is replaced as a window assembly (Fig. 3).

Removal

1. Remove the window upper retaining screws (3).

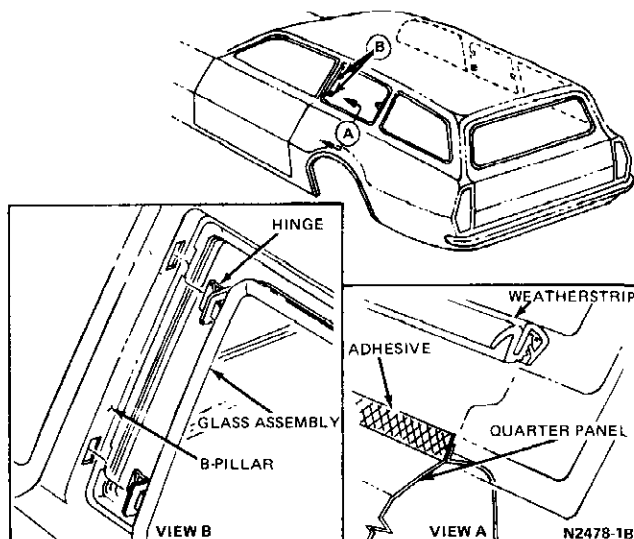
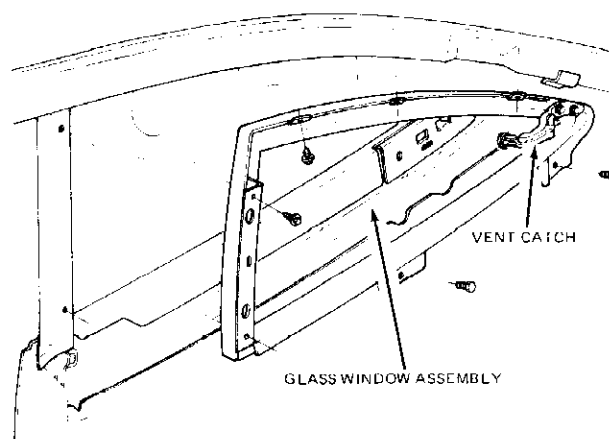


FIG. 2 Quarter Window—Pinto and Bobcat Station Wagon



N2511-1A

FIG. 3 Quarter Window—Mustang II 3-Door Model

2. Remove the window front retaining screws (3).
3. Remove the window lower retaining bolts (2).
4. Remove the quarter window assembly.

Installation

1. Position the quarter window assembly and install the window lower retaining screws (2) hand tight.
2. Install the window front retaining screws (3).
3. Install the window upper retaining screws (3).
4. Position the quarter window, making certain that it is properly seated.
5. Tighten the screws and torque the window lower retaining bolts (2) to 6-11 ft-lbs.

Stationary Quarter Window

PART
42-38

SUBJECT	PAGE	SUBJECT	PAGE
ADJUSTMENTS	38-1	REMOVAL AND INSTALLATION	38-3

CR2030-2B

ADJUSTMENTS

Thunderbird, LTD II and Cougar

Minor inboard/outboard adjustment of the stationary quarter window-to-door glass can be done by removing the pressure relief valve from the lock pillar, to gain access to the quarter window glass bracket retaining screw. Loosening the glass bracket retaining screw allows inboard/outboard movement of the front edge of the quarter glass, so that a proper seal at the door glass is obtained (Fig. 1).

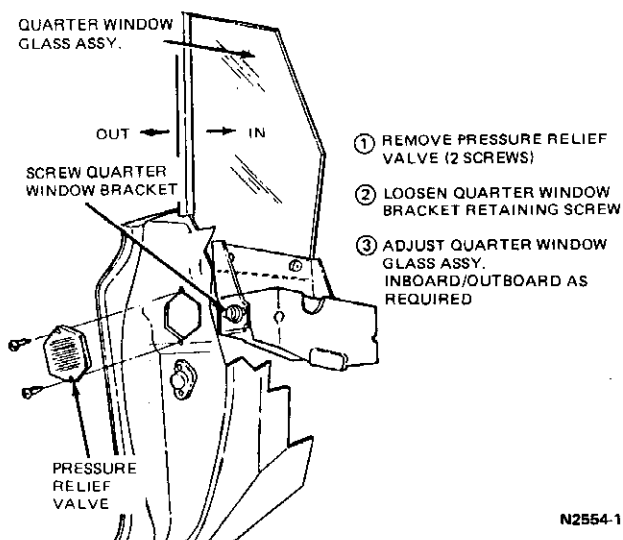


FIG. 1 Stationary Quarter Window Glass Adjustment Procedure—Thunderbird, LTD II and Cougar

GLASS IN-OUT ADJUSTMENT

To adjust, loosen the two screws attaching the guide assembly to the quarter inner panel. Move the glass inboard or outboard as necessary, to align with the door glass at the belt. Then, tighten the guide attaching screws.

GLASS FORE-AFT TILT ADJUSTMENT

To adjust, loosen the quarter window guide lower bracket-to-inner panel attaching screw. Then, tilt the glass as required to obtain a parallel fit between the quarter glass and the door glass. Tighten the lower bracket attaching screw.

GLASS IN-OUT TILT ADJUSTMENT

To adjust the in-out tilt of the top of the glass, loosen the guide-to-lower bracket attaching screw and move the lower end of the guide inboard or outboard as necessary, to align the top edge of the quarter glass with the door glass. Then, tighten the guide-to-lower bracket attaching screw.

GLASS UP-DOWN ADJUSTMENT

Loosen the front and rear up-stop screws and hex flanged nut and raise the glass until a good seal is obtained between the quarter glass, door glass and the roof rail weatherstrip. Tighten the hex flanged nut and then, position the front and rear up-stops firmly against the glass bracket and tighten the attaching screws.

GLASS IN-OUT AND FORE-AFT ADJUSTMENTS

1. To adjust, loosen the two screw and washers attaching the bracket to the inner panel at the belt line.
2. Loosen the screw and washer attaching the bottom of the bracket to the support assembly.
3. Make the necessary fore-aft and in-out adjustments assuring that the door and quarter glass is at a parallel fit with approximately 3/16" to 1/4" margin.
4. Tighten the three screw and washers to 6-11 ft-lbs torque.

GLASS FORE-AFT TILT ADJUSTMENT

1. To adjust, loosen the three screw and washers attaching the bracket to the glass.
2. Make the necessary fore-aft tilt adjustment, assuring that the door and quarter glass is at a parallel fit with approximately a 3/16" to 1/4" margin.
3. Tighten the three screw and washers to 6-11 ft-lbs torque.

GLASS UP-DOWN ADJUSTMENT

1. To adjust, loosen the three nuts attaching the glass to the bracket.

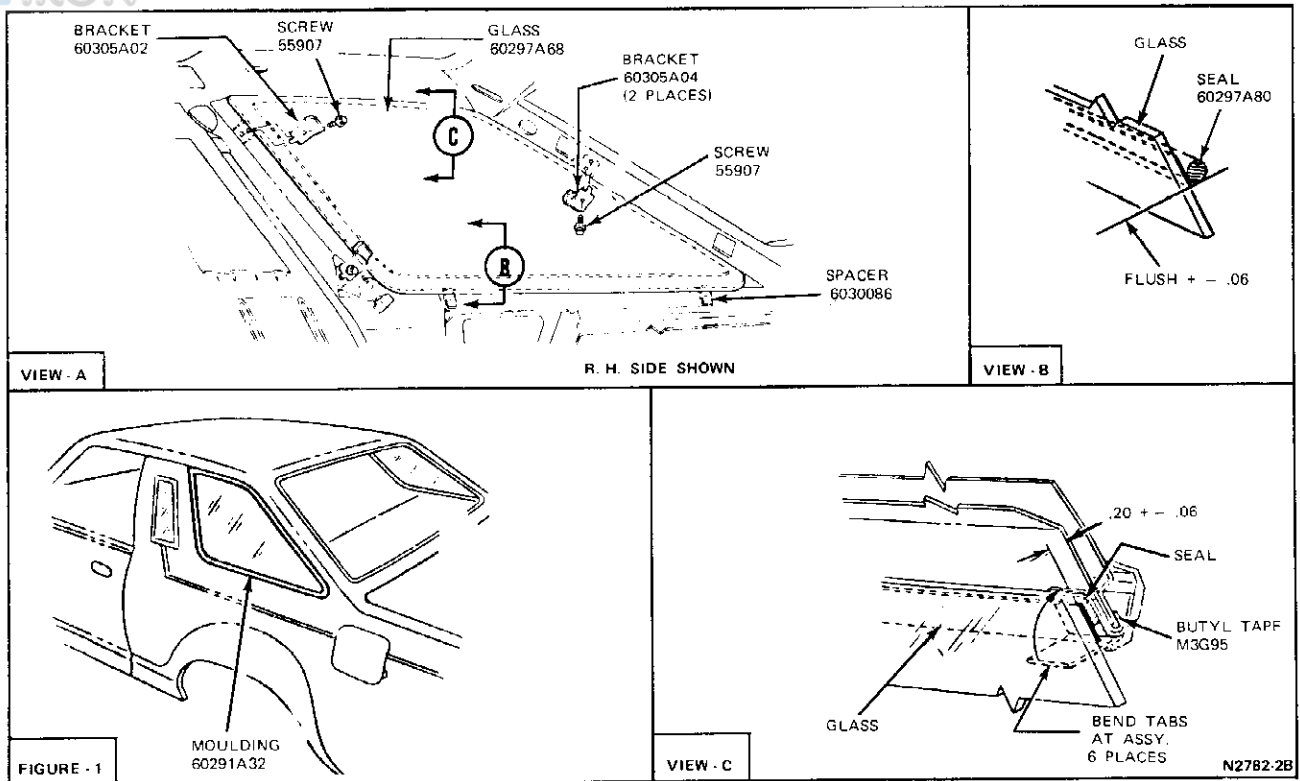


FIG. 2 Stationary Quarter Window Installation—Thunderbird

2. Raise or lower the quarter glass to obtain a proper seal between the glass and the roof rail weatherstrip, by adjusting the nut securing the glass retainer-to-tab on the quarter glass bracket.
3. Tighten the three nuts to 6-11 ft-lbs torque.

Continental Mark V

While the following adjustments can be made separately to correct specific conditions, complete adjustment is performed in the following sequence. All adjustments must be performed after the door glass is properly adjusted and with the trim panel, watershield and sound insulator removed.

GLASS UP-DOWN AND FORE-AFT TILT ADJUSTMENTS

1. Loosen the two screw and washer assemblies attaching the quarter window glass bracket upper support assembly to the quarter inner panel (Fig. 2).
2. Loosen the one screw and washer assembly attaching the quarter window glass bracket lower support assembly to the quarter inner panel.
3. Manually, raise or lower the quarter window to obtain a seal condition into the pocket of the roof rail weatherstrip.

4. Make sure that the door and quarter glass is at a parallel fit with approximately 3/16" to 1/4" margin.
5. Tighten the three screw and washer assemblies to 6-11 ft-lbs torque.

GLASS FORE-AFT AND IN-OUT TILT ADJUSTMENTS

1. Loosen the two screw and washer assemblies attaching the quarter window glass bracket upper support assembly to the quarter inner panel (Fig. 2).
2. Loosen the one screw and washer assembly attaching the quarter window glass bracket assembly to the quarter window glass bracket lower support assembly.
3. Make the necessary fore-aft and in-out tilt adjustments assuring that the door and quarter glass is at a parallel fit with approximately a 3/16" to 1/4" margin.
4. Tighten the three attaching screw and washer assemblies to 6-11 ft-lbs torque.

REMOVAL AND INSTALLATION

QUARTER WINDOW ASSEMBLY

Mercury

Removal

1. Remove the rear seat cushion, quarter arm rest, roof side inner rear moulding, quarter trim panel and watershield.
2. Remove the two screw and washers attaching the bracket to the inner panel at the belt line.
3. Remove the three nut and washers attaching the bracket to the glass.
4. Using caution so the quarter glass and bracket does not fall, remove the remaining screw and washer attaching the support assembly to the quarter inner panel.
5. Separate the glass from the bracket and remove the glass between the inner and outer quarter panels at the belt line.
6. Remove the bracket and support assembly through the access hole in the inner panel.
7. Then, remove the weatherstrip and glass-to-bracket attachments from the glass.

Installation

1. Install the mounting tape, retainer and weatherstrip on the front edge of the glass.
2. Install one bolt, washer, bushing and teenut into each of the three holes in the glass and tighten 6-11 ft-lbs torque.
3. Install one spring nut to the support assembly.
4. Install two spring nuts at the two holes in the top flange of the bracket.
5. Attach the support assembly to the bracket with one screw and washer.
6. Then, install the bracket and support assembly through the access hole in the quarter inner panel and assemble the lower support attachment to the inner panel with one screw and washer (loosely).
7. Install the window assembly between the inner and outer quarter panels (at the belt line) and insert the three studs on the window assembly into the bracket slots.
8. Insert the threaded end of the retainer through the hole in the tab on the glass bracket and engage the hole in the retainer on to the lower stud of the three hole pattern of the glass.
9. Assemble the retainer loosely, with the two nut and washers.
10. Assemble the upper two attachments of the bracket to the inner panel (at the belt line) with two screw and washers (loosely).
11. Refer to the Adjustment Procedures and adjust the window as required.
12. Install the water shield, quarter trim panel, roof side inner moulding, arm rest and rear seat cushion assembly.

Continental Mark V (Fig. 3)

Removal

1. Remove the rear seat cushion assembly, quarter arm rest, quarter trim panel (upper and lower), watershield, sound insulator, roof side inner mouldings (front and rear), shoulder strap (at roof rail) and the roof side rear trim panel.
2. Remove the four screws attaching the quarter lock pillar-to-window frame seal assembly to the quarter lock pillar.
3. Remove the one screw attaching the bottom end of the quarter glass at belt inside weatherstrip assembly to the quarter panel assembly.
4. Remove the seven tapping screws attaching the rear roof quarter window housing and the glass at belt inside weatherstrip assembly.
5. Remove the two screw and washer assemblies attaching the quarter window glass bracket assembly to the quarter window glass bracket upper support assembly.
6. Remove one screw and washer assembly attaching the quarter window glass bracket assembly to the quarter window glass bracket lower support assembly and carefully lower the window assembly to rest at the bottom of the quarter panel.
7. Remove the five screws attaching the quarter window outside moulding assembly to the quarter panel.
8. Remove the window bracket assembly through the opening between the inner and outer quarter panel at the belt line.

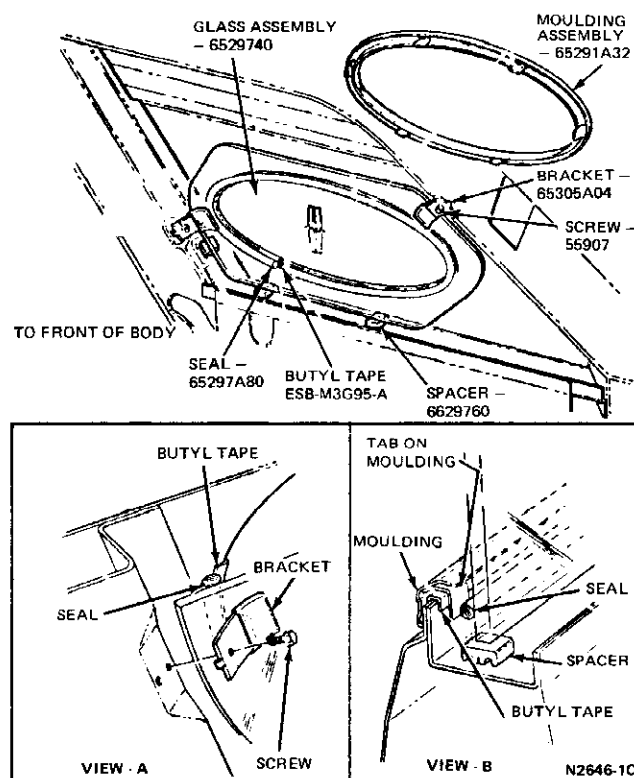


FIG. 3 Quarter Window Housing and Moulding Assembly Installation—Continental Mark V

9. Remove the one screw and washer assembly attaching the quarter window glass bracket assembly to the bracket assembly retainer.
10. With the window assembly on a work bench, use a drift punch and remove the center pin from the two rivets attaching the glass to the bracket assembly. Then, remove the rivets by drilling them out with a 1/4" drill.

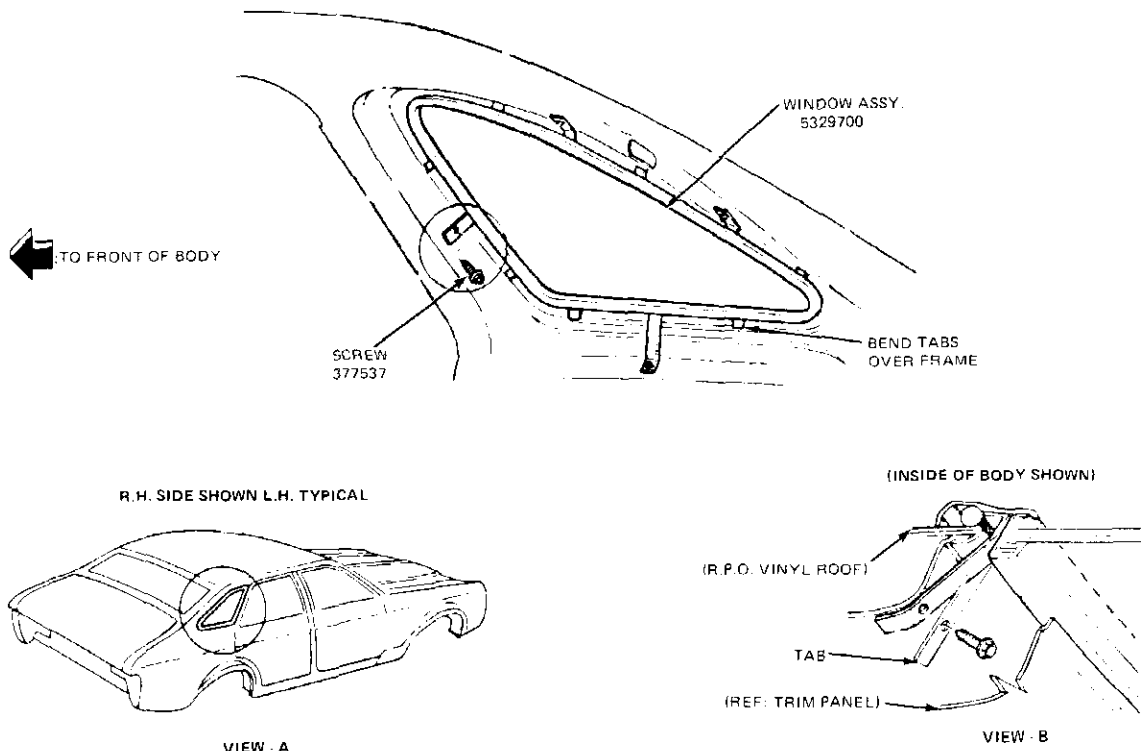
Installation

1. Assemble and attach the quarter window glass to the bracket assembly with one spacer, one retainer assembly, one 1/4"-20 x 1" hex head bolt and 1/4"-20 nut and washer assembly. Tighten to 6-11 ft-lbs torque.
2. Assemble the quarter window glass bracket assembly to the bracket assembly retainer with one screw and washer assembly and tighten to 6-11 ft-lbs torque.
3. Insert the quarter window assembly into the opening between the inner and outer quarter panel assembly and carefully lower it to rest at the bottom of the quarter panel.
4. Attach the quarter window outside moulding assembly to the quarter panel with five screws.

5. Raise the window to the installed position and loosely assemble the lower attachment of the quarter window glass bracket assembly to the quarter window glass bracket lower support assembly with one screw and washer assembly.
6. Loosely assemble the two upper attachments of the quarter window glass bracket assembly to the quarter glass bracket upper support assembly with two screw and washer assemblies.
7. Refer to the Adjustment Procedures (this Part) and adjust the window as required.
8. Install the rear roof quarter window housing and the quarter window glass at belt inside weatherstrip assembly (attached to housing) with seven tapping screws.
9. Install the quarter lock pillar-to-window frame seal assembly to the quarter lock pillar with four screws.
10. Install the watershield, sound insulator, roof side rear trim panel, shoulder strap (at roof rail), quarter trim panel (upper and lower), roof side inner mouldings (front and rear), quarter arm rest and rear seat cushion assembly.

Other Models

See Figs. 4 through 7 for installation on other models.



N2880-2B

FIG. 4 Quarter Window (RPO)—LTD II and Cougar

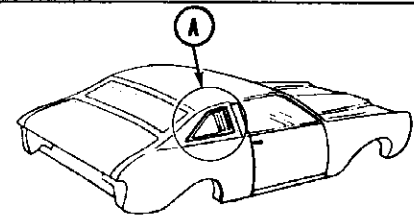
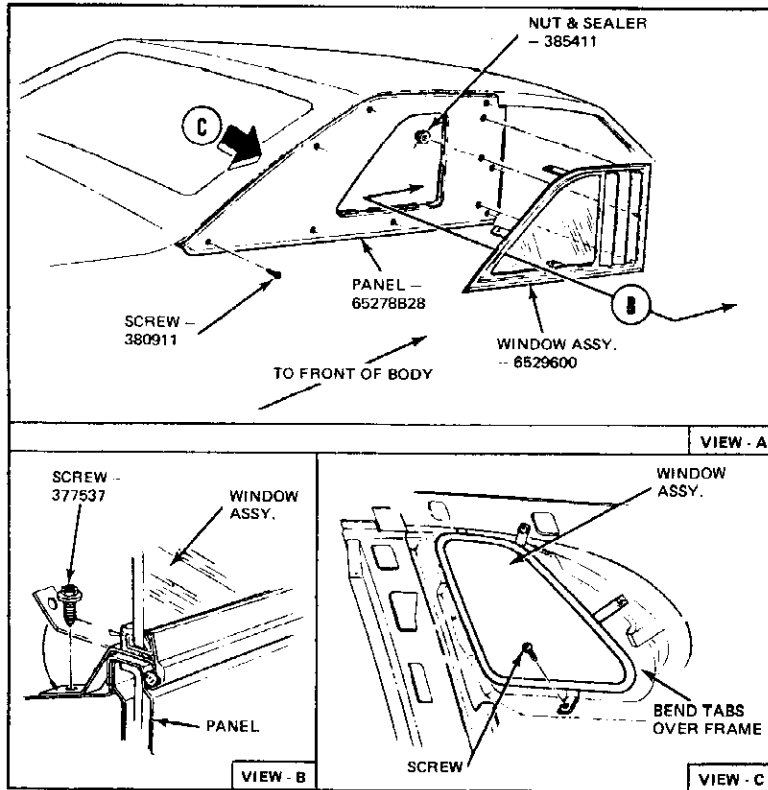
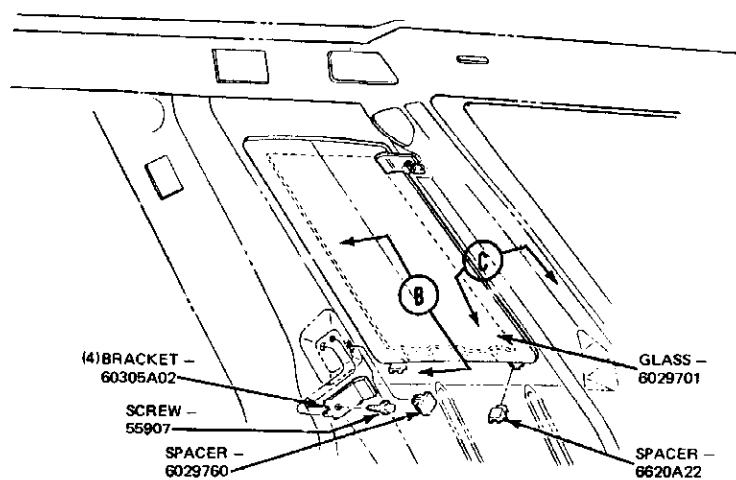


FIGURE - 1

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FIG. 5 Quarter Window—Cougar XR7



VIEW - A

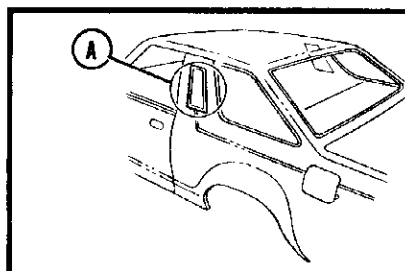


FIGURE - 1

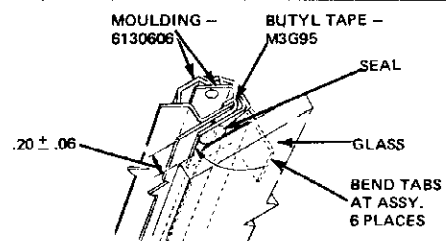
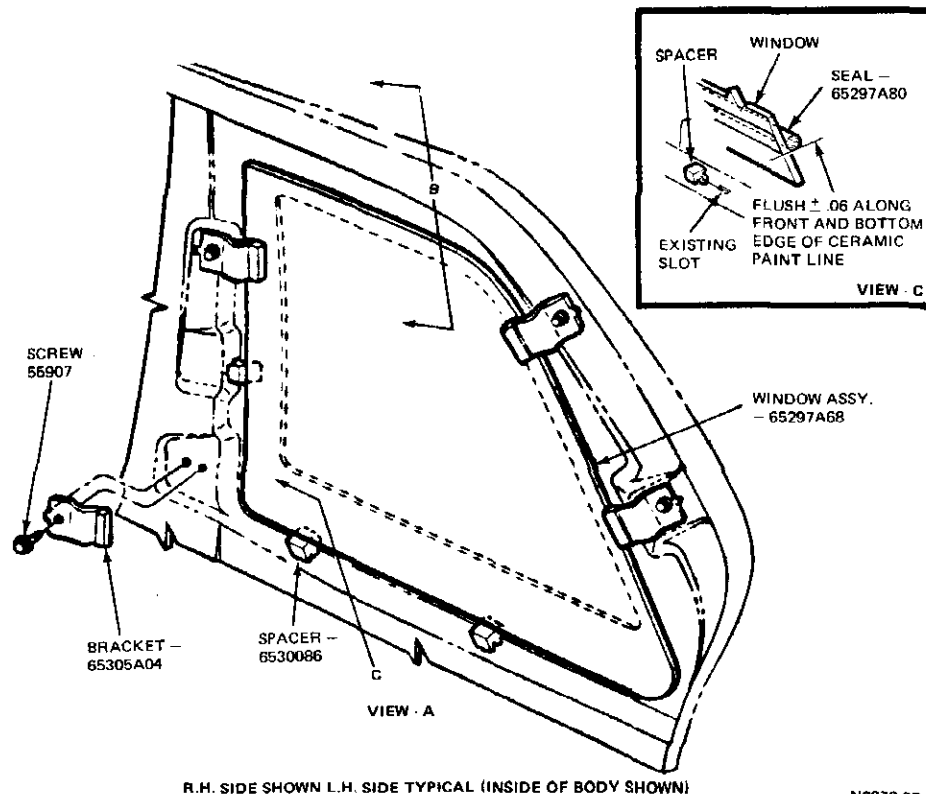
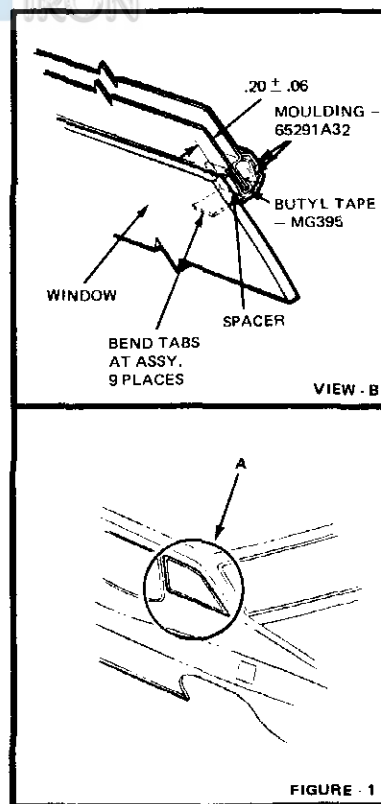
VIEW - C
N2882-2B

FIG. 6 Opera Window—Thunderbird



N2879-2B

FIG. 7 Quarter Window—LTD II and Cougar 2-Dr.

Tailgate Window Glass and Mechanism -- Dual Action Gate		PART 42-41	
SUBJECT	PAGE	SUBJECT	PAGE
ADJUSTMENTS	41-1	REMOVAL AND INSTALLATION (Cont'd.)	
REMOVAL AND INSTALLATION		Motor and/or Drive	41-3
Glass	41-2	Regulator	41-2
		Run	41-2

CR2031-2B

ADJUSTMENTS

TAILGATE WINDOW ADJUSTMENT

FORD AND MERCURY

Separate adjustment steps are given for each adjustment so that a partial glass adjustment can be performed. If a complete glass adjustment is required, follow the adjustments in the order given. All window mechanism adjustments except the in-out tilt of the top edge of the glass must be performed with the trim panel removed. The in-out tilt adjustment can be performed without removing the trim panel. After the adjustment(s) are completed, operate the window up and down to see if the mechanism is free of binds which cause hard operating efforts for manual windows or sluggish operation for electric windows. If binding is found to exist, repeat the adjustment(s). Install the tailgate trim panel (if removed) after the adjustments are completed.

Glass Position—Full-Up

The tailgate glass should be properly positioned within the glass opening to assure a good seal around the glass with the weatherstrip. The top edge of the glass should also be parallel to the top of the glass opening when the glass is closed. To adjust, loosen each upper stop bracket attaching screw (Item A, Fig. 1), and again check the glass fit. If the glass fit is not as specified, loosen the four window regulator attaching bolts (Item B, Fig. 1). Move the glass until the top edge

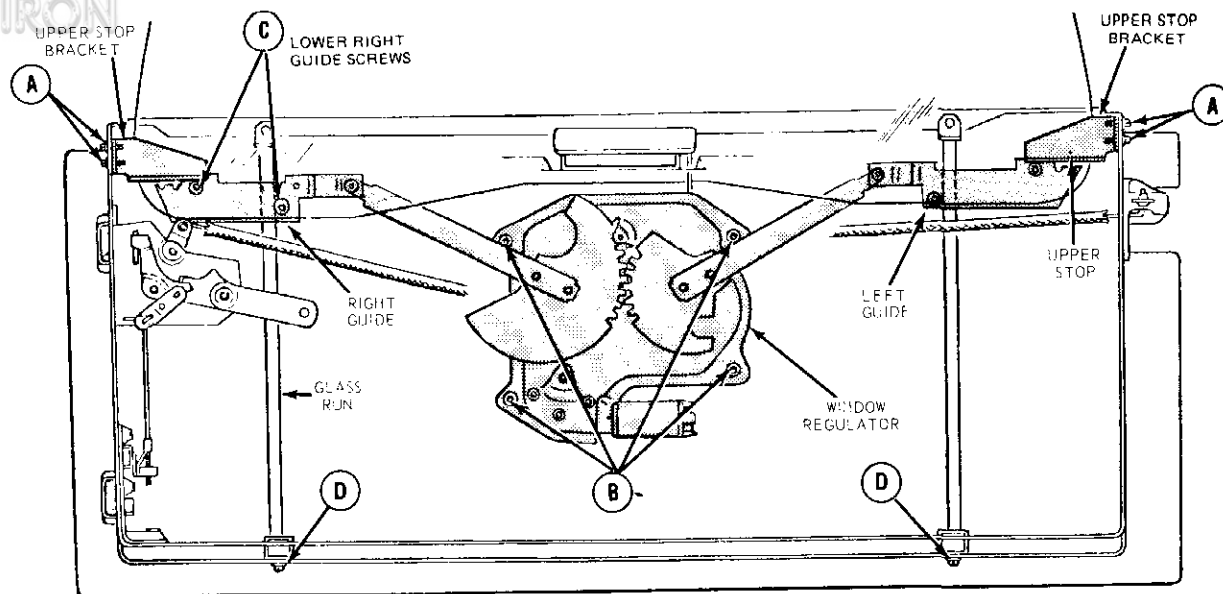
of the glass is parallel to the glass opening, and tighten the regulator attaching bolts. After the glass has been positioned in the opening, move the upper stop brackets down firmly against the stops and tighten the attaching screws.

Glass Position—Side-to-Side

The tailgate glass can be positioned from side-to-side to obtain a good seal overlap with the side weatherstrips. To adjust, loosen the two lower right guide-to-glass attaching screws (Item C, Fig. 1). Then, move the glass from side-to-side as necessary to obtain a good glass overlap with the weatherstrip on each side of the glass. Tighten the guide attaching screws after the glass has been moved to the desired position.

Glass Tilt—In and Out

The top edge of the tailgate glass can be tilted in or out to obtain a good seal against the weatherstrip. To adjust, loosen the glass run lower attaching screws (Item D, Fig. 1). Then, move the run lower ends forward or rearward as necessary to move the glass top edge against the weatherstrip to obtain a good seal. Tighten the run lower attaching screws after a good seal is obtained.



N1755-2F

FIG. 1 Tailgate Window Mechanism Adjustment—Ford and Mercury

REMOVAL AND INSTALLATION TAILGATE GLASS

FORD AND MERCURY

Removal

1. Remove the tailgate inside cover and watershield.
2. Remove the tailgate inner panel lower access cover.
3. Lower the tailgate to the DOWN position, and raise the glass until the glass brackets are accessible.
4. Remove the center pin from the glass-to-glass bracket rivets with a drift punch. Then, drill the heads from the rivets with a 1/4 inch drill, and remove the rivets.
5. Disconnect the wires from the rear window defroster terminals, if so equipped.
6. Slide the glass from the tailgate.

Installation

1. Position the glass into the tailgate and to the glass brackets. Be sure the spacers are placed between the glass and the glass bracket (Fig. 2).
2. Install 1/4-20 x 1 inch hex head bolts and 1/4-20 hex head nuts to attach the glass bracket to the glass. Tighten the bolts and nuts to specification.
3. Adjust the glass as outlined in ADJUSTMENTS in this part.
4. Connect the wires to the rear window defroster terminals, if so equipped.
5. Install the tailgate inner panel lower access cover, and the watershield and tailgate inside cover.

REGULATOR

FORD AND MERCURY

Removal

1. Remove the tailgate glass.
2. Remove the glass brackets from the regulator arm rollers.

3. Disconnect the motor wires at the connector.
4. Remove four regulator attaching screws and remove the regulator from the tailgate (Fig. 2).
5. Drill a 5/16 inch hole through the regulator sector gear and regulator plate. Install a 1/4 inch bolt and nut through the hole to prevent the sector gear from moving when the motor and drive assembly is removed from the regulator. Remove the motor assembly from the regulator.

Installation

1. Position the regulator in the tailgate and install the attaching screws.
2. Connect the regulator motor wires at the connector.
3. Install the tailgate glass.

GLASS RUN

FORD AND MERCURY

Removal

1. Remove the tailgate inside cover and watershield.
2. Remove the glass from the tailgate as outlined in this part.
3. Remove the outside belt moulding and weatherstrip from the tailgate.
4. Remove the run upper and lower attaching screws and remove the run and glass bracket from the tailgate (Fig. 2).
5. Remove the glass bracket and guides from the run.
6. To remove the guides, remove two screws attaching each guide to the glass bracket.

Installation

1. Install the guides on the glass bracket if they were removed. Be sure to note that the lower right guide is different from the other guides (Fig. 2).
2. Install the glass bracket and guides on the run, and install the run in the door.

3. Install the weatherstrip and outside belt moulding.
4. Install the tailgate glass as outlined in this part.
5. Install the tailgate watershield and inside cover.

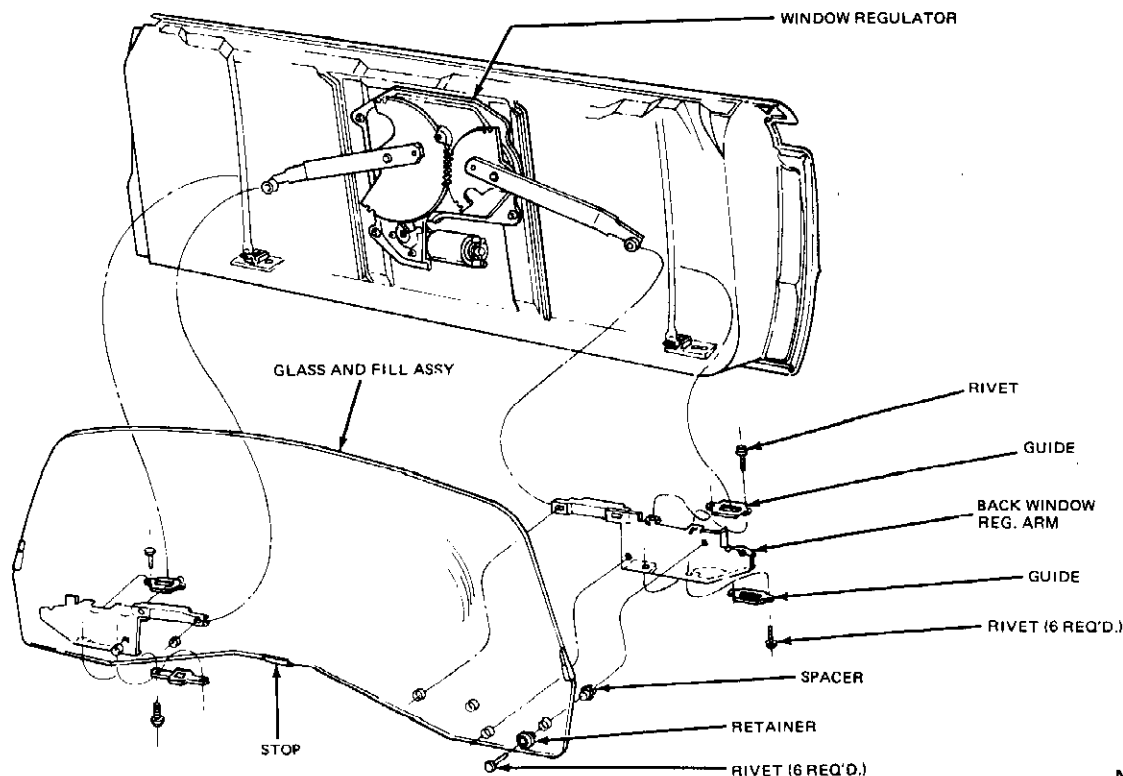
WINDOW MOTOR AND/OR DRIVE

Removal

1. Remove the tailgate inner panel and watershield.
2. Disconnect the motor wires at the connector.
3. Working through the access hole(s), remove the three motor and drive-to-regulator attaching screws. Remove the motor and drive from the tailgate.

Installation

1. Position the motor and drive to the window regulator, and install the three screws **just snug—not tight**.
2. Connect the motor wires at the connector and cycle the glass to assure gear engagement. After the gears are engaged, tighten the three motor and drive attaching screws.
3. Check the window operation. Then, install the watershield and tailgate inner panel.



N2420-2C

FIG. 2 Tailgate Window Mechanism—Ford and Mercury

STATIONARY WINDOW GLASS

GROUP
43

PART TITLE	PART NO.	PART TITLE	PART NO.
Stationary Glass – Butyl Type Seal	43-11	Stationary Glass – Weatherstrip Type Seal	43-01

CR2004-2B

Stationary Glass -- Weatherstrip Type Seal

PART
43-01

SUBJECT	PAGE	SUBJECT	PAGE
REMOVAL AND INSTALLATION		REMOVAL AND INSTALLATION (Cont'd.)	
Back Window Mouldings	01-1	Quarter Window Mouldings	01-1
Back Window – Weatherstrip Type Seal	01-1	Stationary Quarter Window Glass	01-2
Opera Window	01-2	Windshield Mouldings	01-1

CR2032-2B

REMOVAL AND INSTALLATION

Before removing the exterior mouldings, it should be determined by the types of retainer used whether a respective door, quarter or luggage compartment trim panel must first be removed to provide access.

If a weld stud is distorted or broken off, it can be replaced with a screw (379560-S101) or pop rivet as shown in Fig. 23.

WINDSHIELD MOULDINGS

The windshield mouldings for the Fairmont, Zephyr, Pinto and Bobcat are shown in Figs. 1 and 2. The mouldings are retained with retainers set in the glass opening.

BACK WINDOW MOULDINGS

The back window mouldings are shown in Figs. 3 through 11. The mouldings are retained with retainers set in the glass opening.

QUARTER WINDOW MOULDINGS

The stationary quarter window mouldings on the Pinto and Bobcat are retained within the weatherstrip (Fig. 12). Refer to Quarter Window and Glass Removal and Installation procedures (this Section).

The mouldings for Mustang II are shown in Figs. 15 and 16. Granada, Monarch and Versailles are shown in Figs. 17 and 18. LTD II and Cougar mouldings are shown in Figs. 19 and 20.

BACK WINDOW-WEATHERSTRIP TYPE SEAL

Removal

1. Remove the window outside mouldings (Figs. 3 through 11).
2. Remove the window interior garnish mouldings, (if so equipped).
3. With an assistant, push the glass and weatherstrip from the window opening.
4. Clean all sealer from the glass and/or weatherstrip if either is to be reused.
5. Clean all tape seal from the glass opening flange.

Installation—All Models Except Pinto and Bobcat 3-Door and Station Wagon

1. Check all moulding retainers. Replace or repair damaged retainers to insure moulding retention. Replace any missing or damaged weld studs with a screw.
2. Apply tape seal to the pinch weld flange of body opening.
3. Position the weatherstrip on the glass.
4. Insert a draw cord in the pinch weld opening of the weatherstrip all around the weatherstrip (Fig. 13), and overlap the cord about 18 inches at the lower center of the glass. Tape the ends of the cord to the inside of the glass.
5. Position the window glass to the body window opening.
6. With an assistant applying hand pressure from the outside, pull the draw cord to pull the lip of the weatherstrip over the window opening flange. Draw the weatherstrip lip over the lower flange, each side flange and then over the upper flange.

7. Install the window outside mouldings.
8. Install the window interior garnish mouldings.
9. Test for water leaks. Apply sealer in the glass groove of the weatherstrip, if necessary.

Pinto and Bobcat 3-Door and Station Wagon

1. Remove the moulding and clean the weatherstrip area. Then, using a hand tool (screwdriver, chisel, etc.), insert an approximately 1/8 inch diameter drawcord into the moulding cavity of the weatherstrip. Start the cord at the lower center edge of the weatherstrip and continue pushing the cord around the entire perimeter (Fig 9). Leave a minimum of 10 inches of cord trailing at each end after completion.
2. Apply a soap solution around the entire moulding retaining lip on the weatherstrip.
3. Assemble the right and left hand sections of the mouldings to the weatherstrip by progressively positioning the retaining lip of the moulding under the raised weatherstrip retaining lip. Adjust the moulding as required to assure full engagement of the retaining lip.
4. Starting at the bottom of the glass, pull the drawcord outboard over the top of the moulding. Then, apply hand pressure to the moulding as the cord is being slowly pulled from the weatherstrip.
5. Visually check for full engagement of the moulding to the weatherstrip and repair any loose areas with a hand tool.
6. Remove all excess soap solution from the weatherstrip assembly.

STATIONARY QUARTER WINDOW GLASS

Pinto and Bobcat

Removal

1. Pry the weatherstrip inboard lip from the forward edge of the glass; then push the glass and weatherstrip from the glass opening.
2. Remove the upper moulding from the weatherstrip and remove the weatherstrip from the glass.

Installation

1. Clean any sealer or broken glass from the weatherstrip.
2. Apply PVC tape to the glass opening flange. Then, install the weatherstrip on the glass and install the moulding in the weatherstrip groove. (Fig. 12).
3. Insert a draw cord in the pinch weld opening of the weatherstrip all around the weatherstrip and overlap the cord about 18 inches at the lower center of the glass. Tape the ends of the cord to the glass.
4. Position the quarter glass to the body opening, then apply hand pressure from the outside and pull the draw cord to pull the weatherstrip over the body opening flange.

Mustang II, Granada and Monarch

1. Remove the interior garnish mouldings (Group 45).
2. Remove the screws attaching the quarter window assembly to the rear quarter (Figs. 14, 15 and 16), and remove the assembly from the opening.

3. Position the glass to the opening, and install the attaching screws.

4. Install the interior garnish mouldings (Group 45).

Continental Mark V, Thunderbird, LTD II and Cougar

Removal

1. Remove the inside garnish moulding and quarter trim panel (Group 45).
2. Remove two bolts attaching the glass bracket extension (Fig. 17) to the quarter inner panel.
3. Loosen the glass bracket-to-extension bolts, and remove the glass, bracket and extension from the vehicle.
4. Place the glass on a bench and remove the extension from the glass bracket.
5. Remove the center pin from the glass bracket-to-glass rivets with a drift punch. Then, drill the head from the rivets with a 1/4-inch drill, and remove the rivets.
6. Separate the glass bracket, spacers and retainers from the glass.
7. Remove the front weatherstrip and retainer from the glass.

Installation

1. Install the front weatherstrip and retainer on the glass using butyl. Use 1 3/4 inch wide tape, approximately 0.06 inch thick.
2. Position the retainers and spacers to the glass and snap them together (Fig. 17).
3. Position the glass bracket to the glass and install 1/4-20 x 1 inch hex head bolts and 1/4-20 hex nuts to attach the bracket to the glass. Tighten the nuts to 6-11 ft-lb. torque.
4. Position the extension to the glass bracket and install the attaching bolts finger tight.
5. Position the glass and bracket assembly in the quarter and install two bolts to attach the assembly to the inner panel. Tighten the bolts to 3-7 ft-lb. torque.
6. Position the glass snugly against the weatherstrip to obtain a good seal between the glass and weatherstrip. Then, tighten the glass bracket-to-extension attaching bolts to 3-7 ft-lb. torque.
7. Install the quarter trim panel and interior garnish moulding.

OPERA WINDOW

Removal

1. From inside the vehicle, remove the interior garnish mouldings to gain access to the quarter pillar trim panels.
2. Remove the rear seat cushion and back assembly (Group 41).
3. Remove the quarter lower and upper trim panel to gain access to the opera window attaching screws (Fig. 16).
4. Remove the screws and opera window assembly.
5. For installation, reverse procedure, using butyl tape. See Fig. 18.

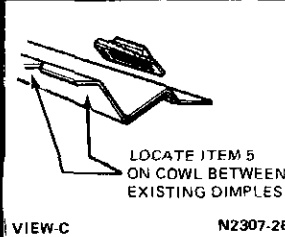
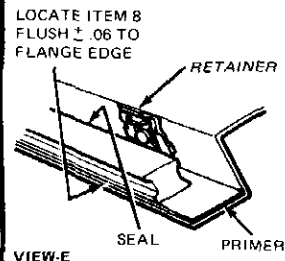
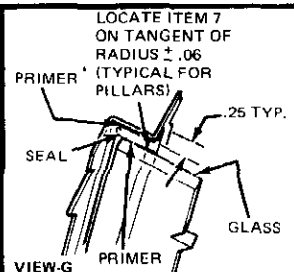
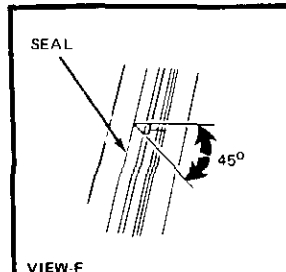
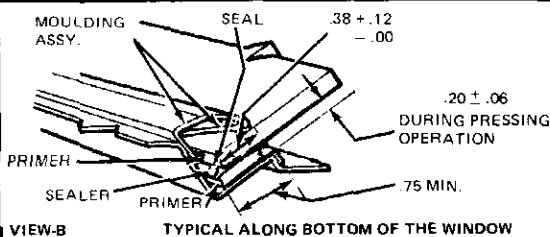
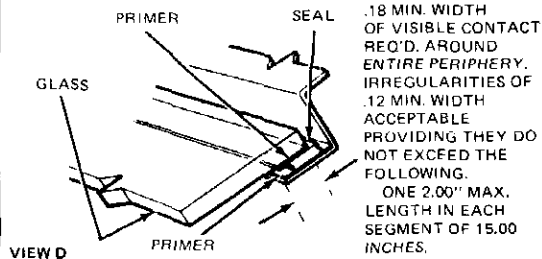
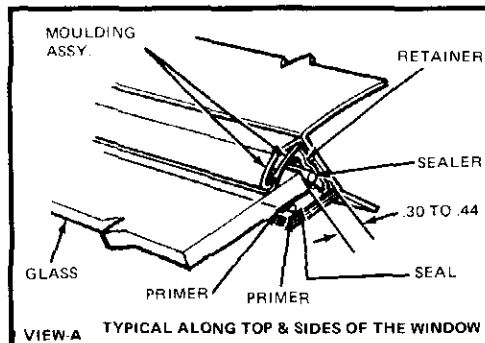
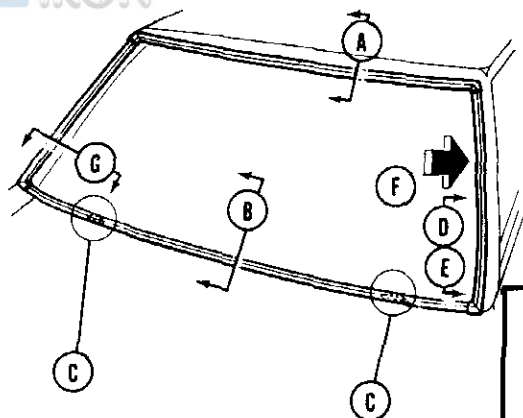
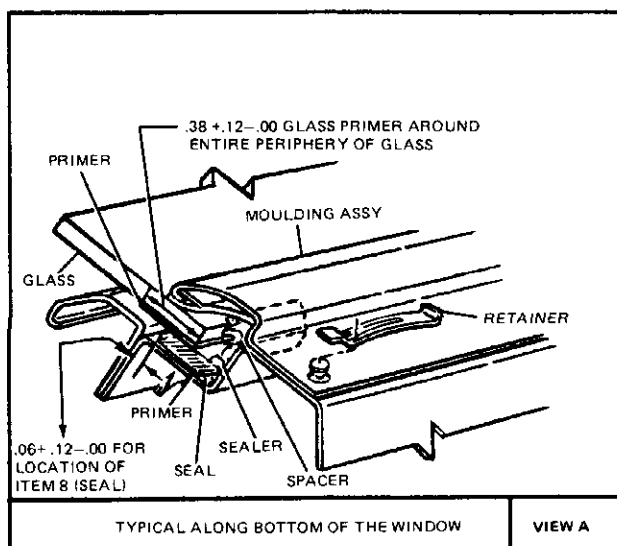
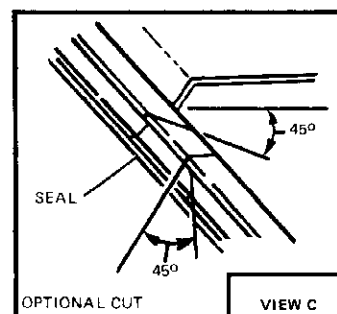
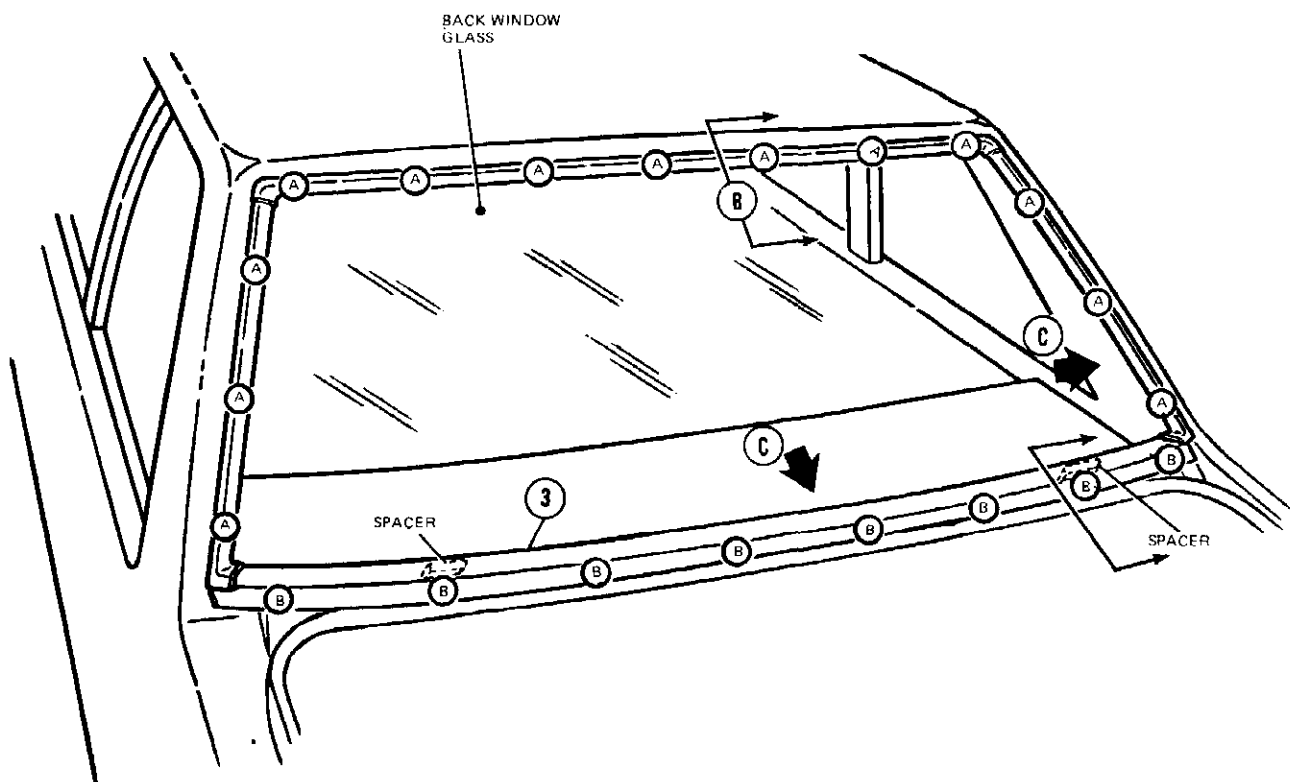
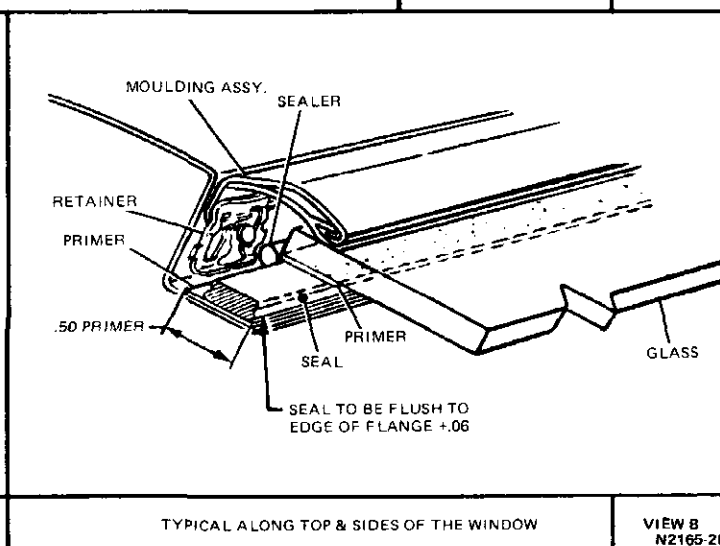


FIG. 1 Windshield and Exterior Moulding Installation—Fairmont and Zephyr



TYPICAL ALONG BOTTOM OF THE WINDOW

VIEW A



TYPICAL ALONG TOP & SIDES OF THE WINDOW

VIEW B
N2165-2F**FIG. 2 Windshield and Exterior Moulding Installation—Pinto and Bobcat**

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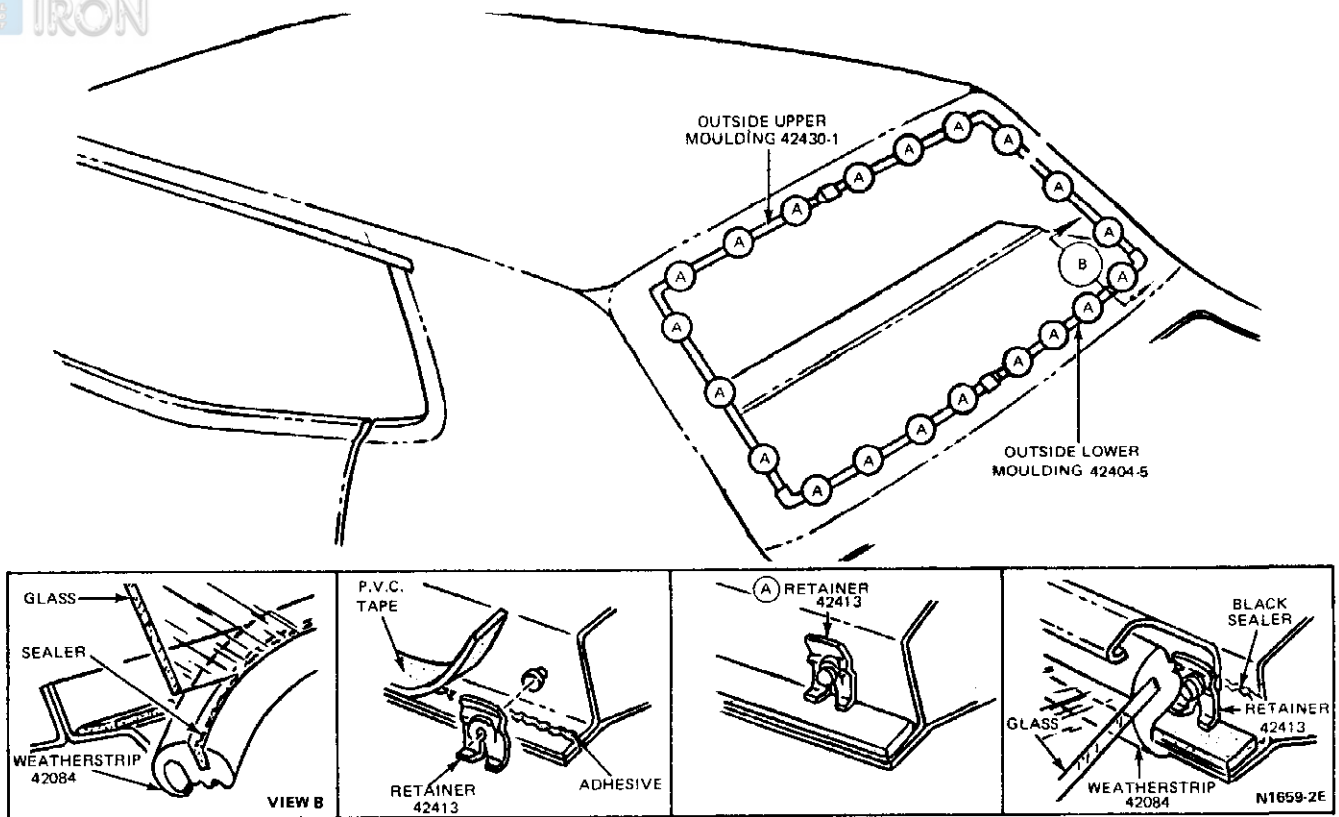


FIG. 3 Back Window and Exterior Mouldings—LTD II and Cougar XR-7

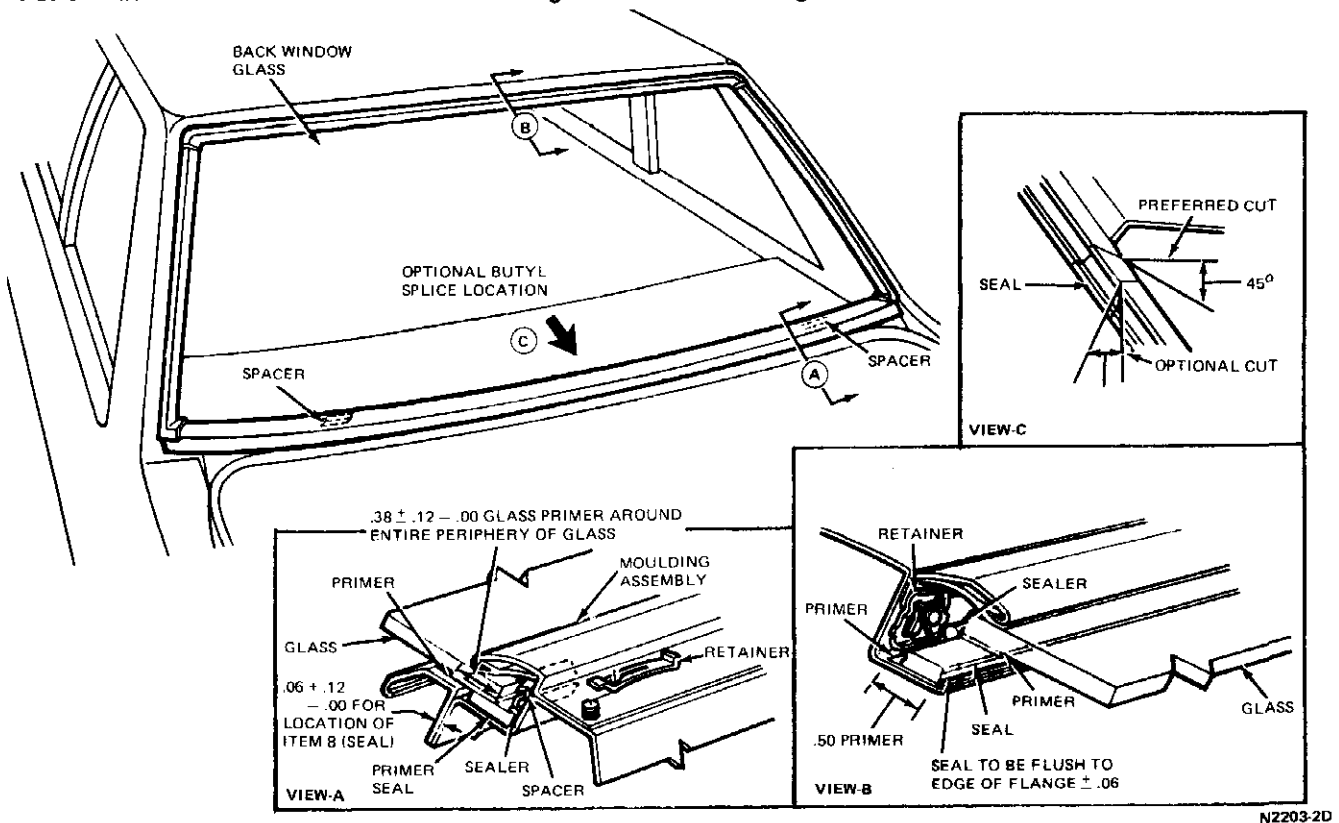


FIG. 4 Back Window and Exterior Mouldings—Fairmont and Zephyr 2-Door Shown—Typical 4-Door

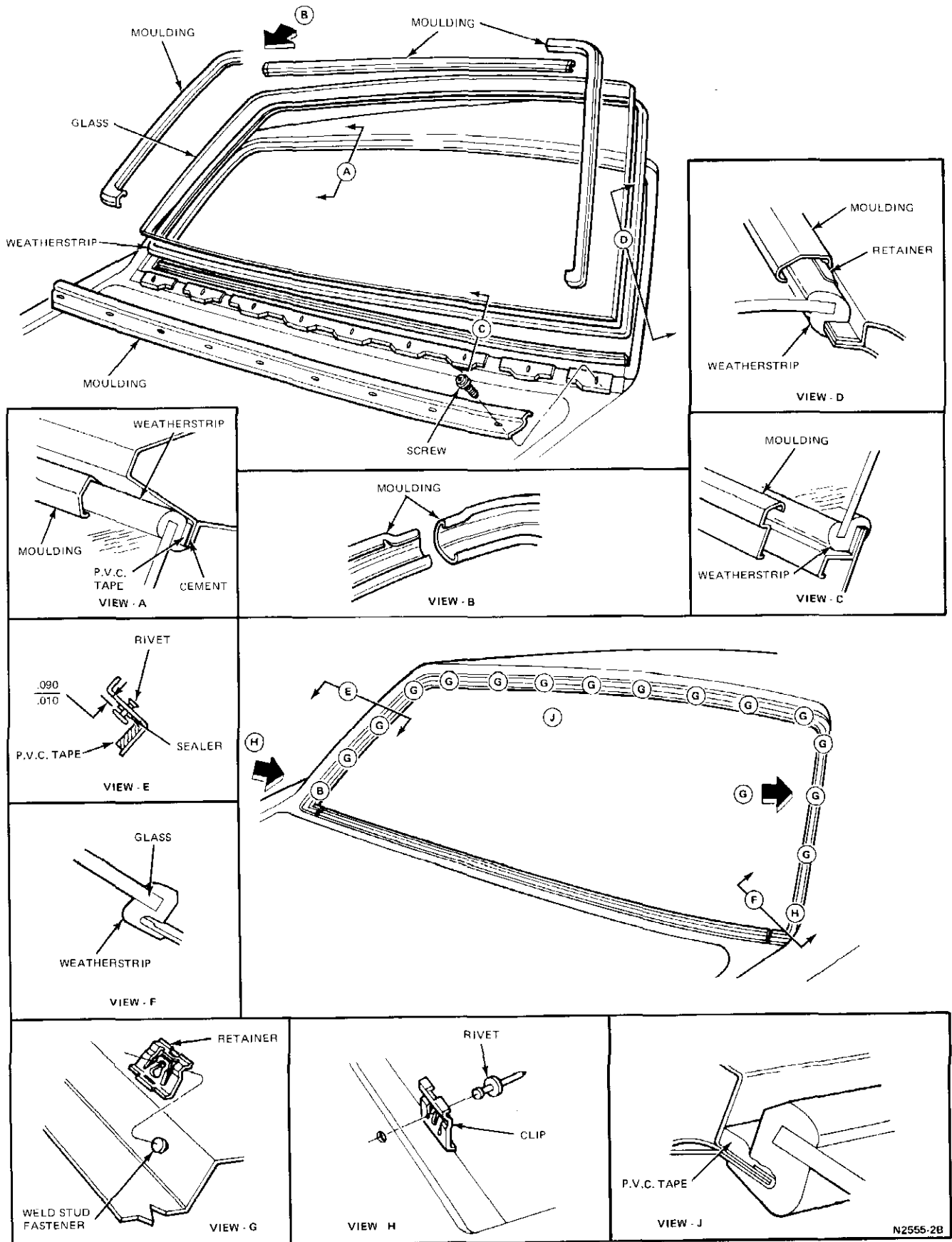


FIG. 5 Back Window and Exterior Moulding—Granada and Monarch 2-Door Shown—Typical 4-Door

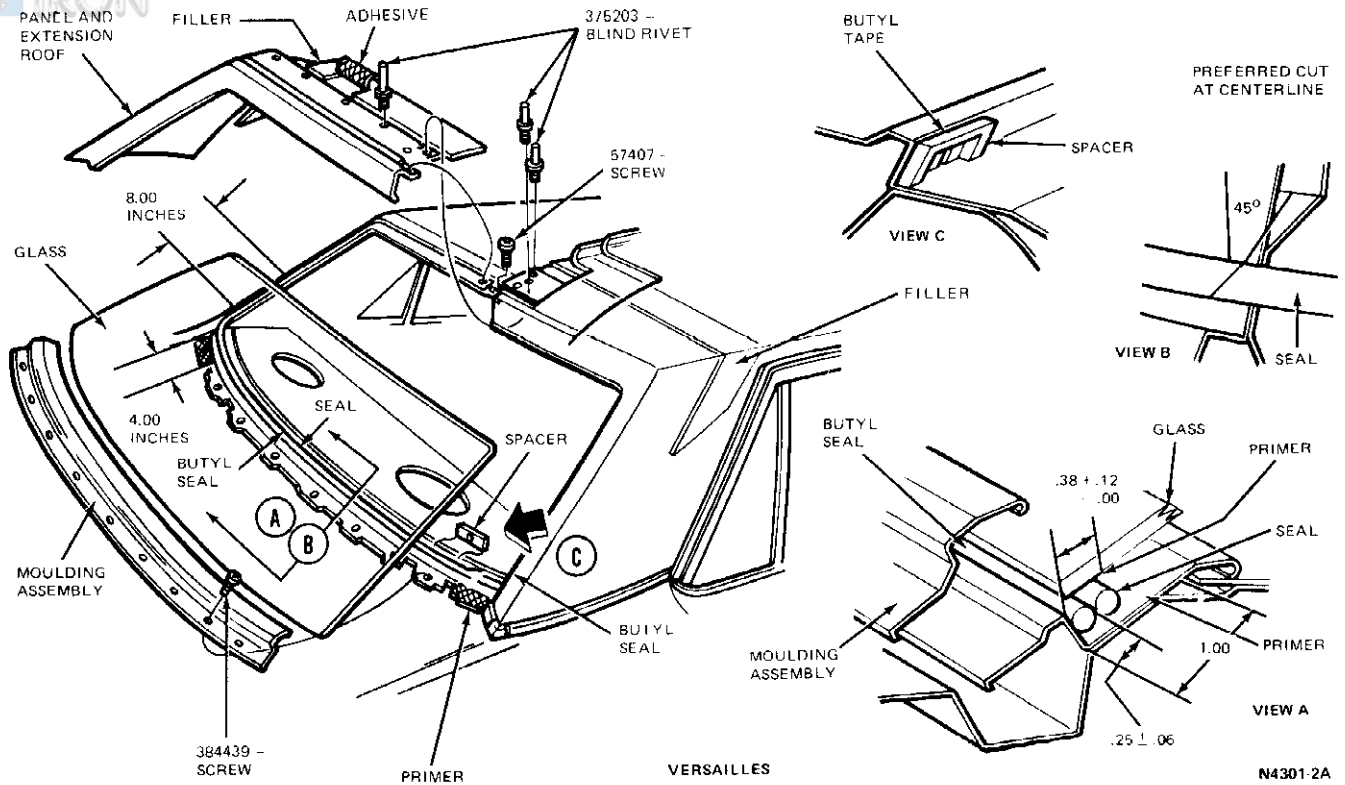


FIG. 6 Back Window and Exterior Moulding—Versailles

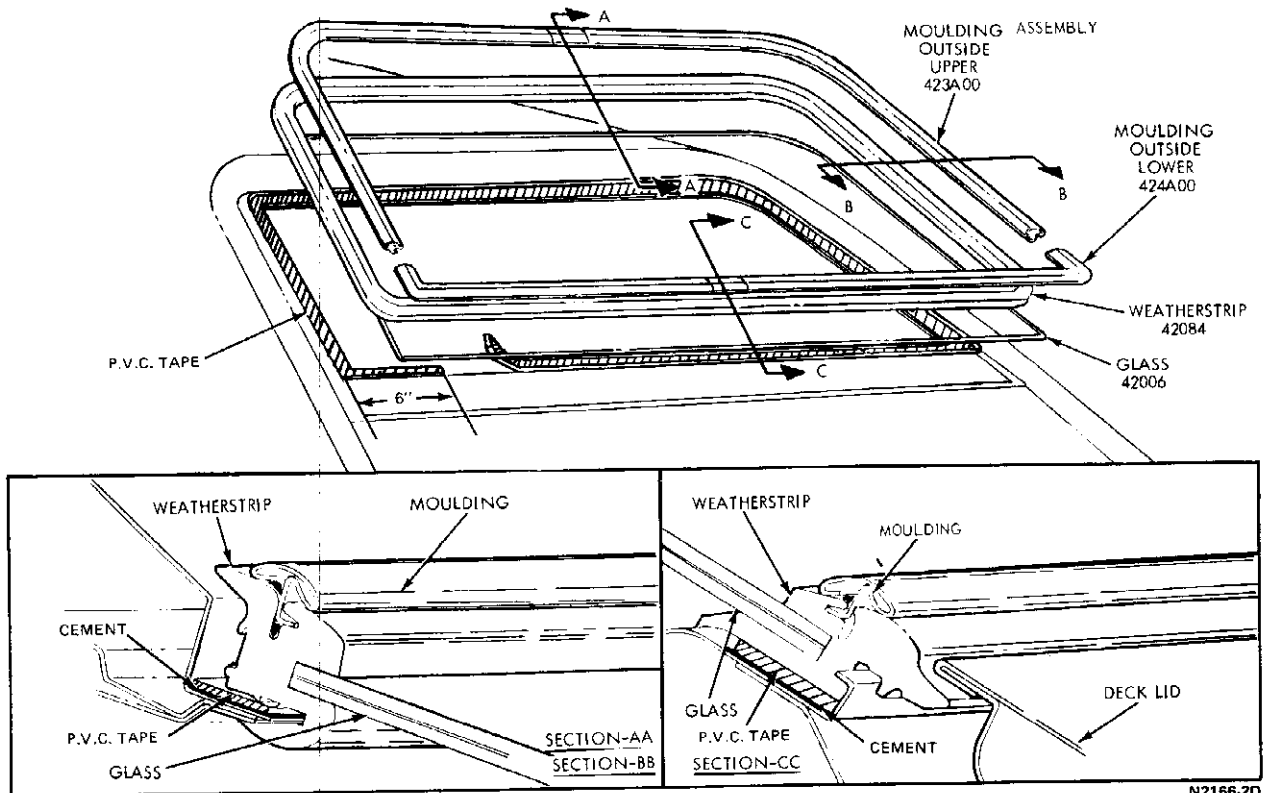


FIG. 7 Back Window and Exterior Mouldings—Pinto and Bobcat 2-Door

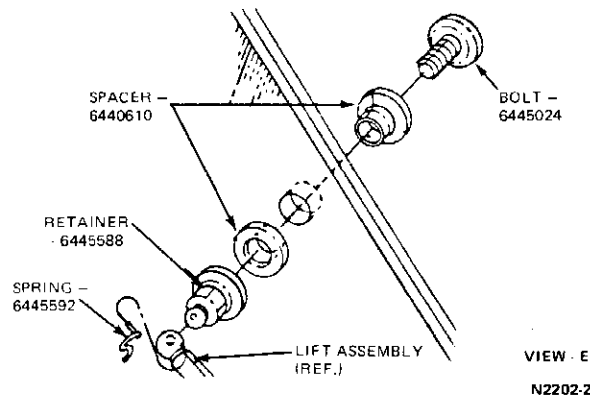
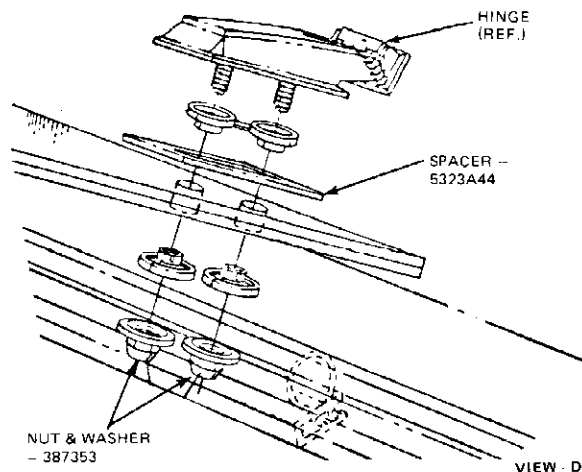
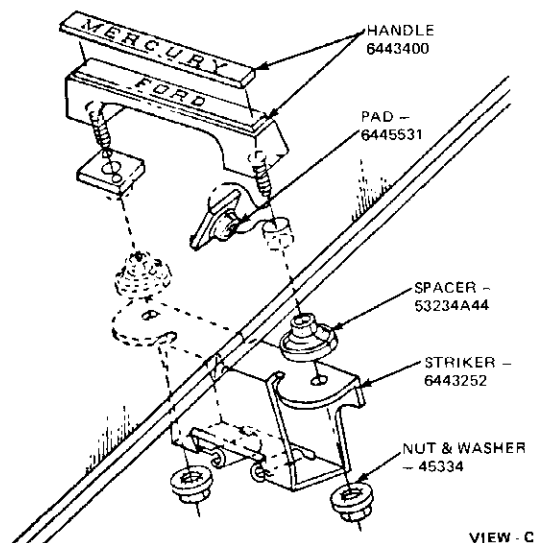
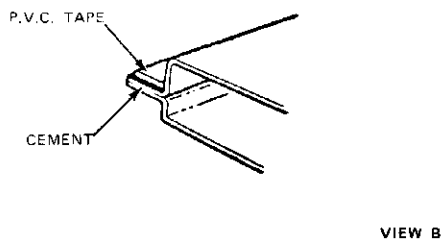
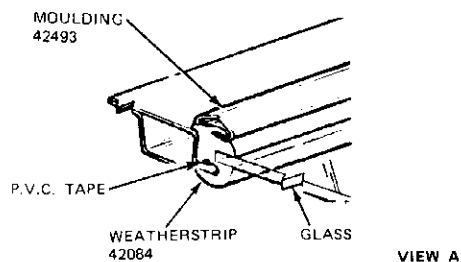
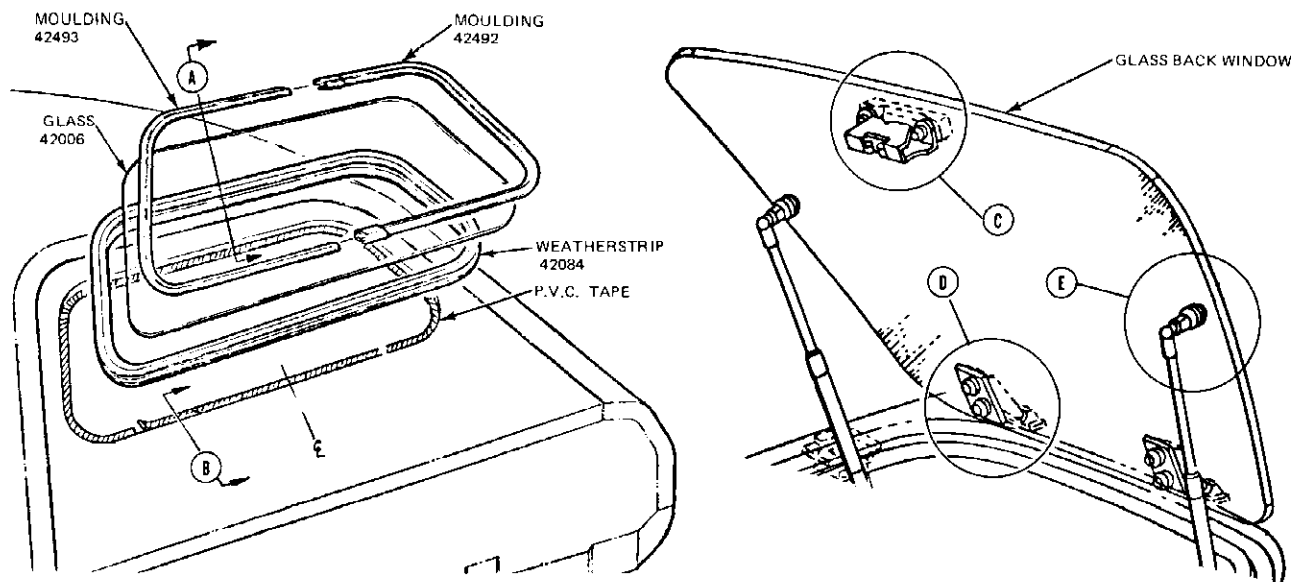


FIG. 8 Back Window and Exterior Mouldings—Pinto and Bobcat 3-Door

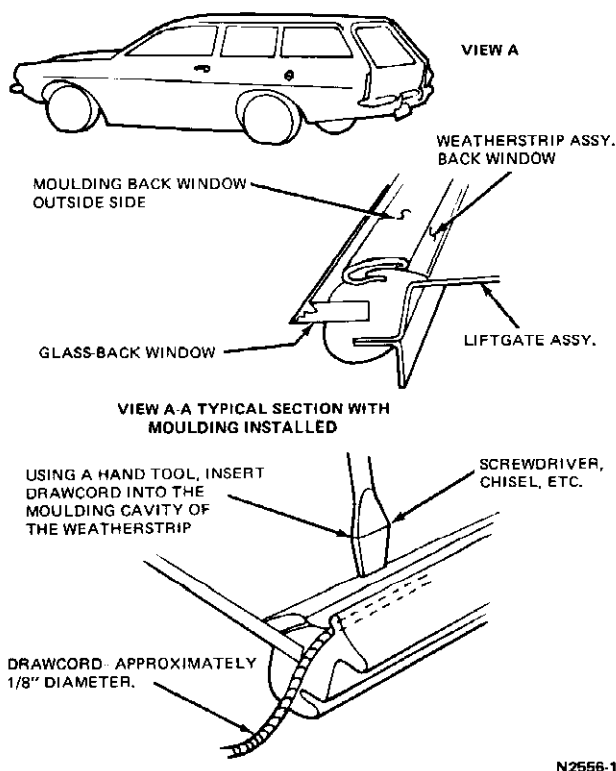


FIG. 9 Back Window Outside Moulding Installation—Pinto and Bobcat—3-Door and Station Wagon

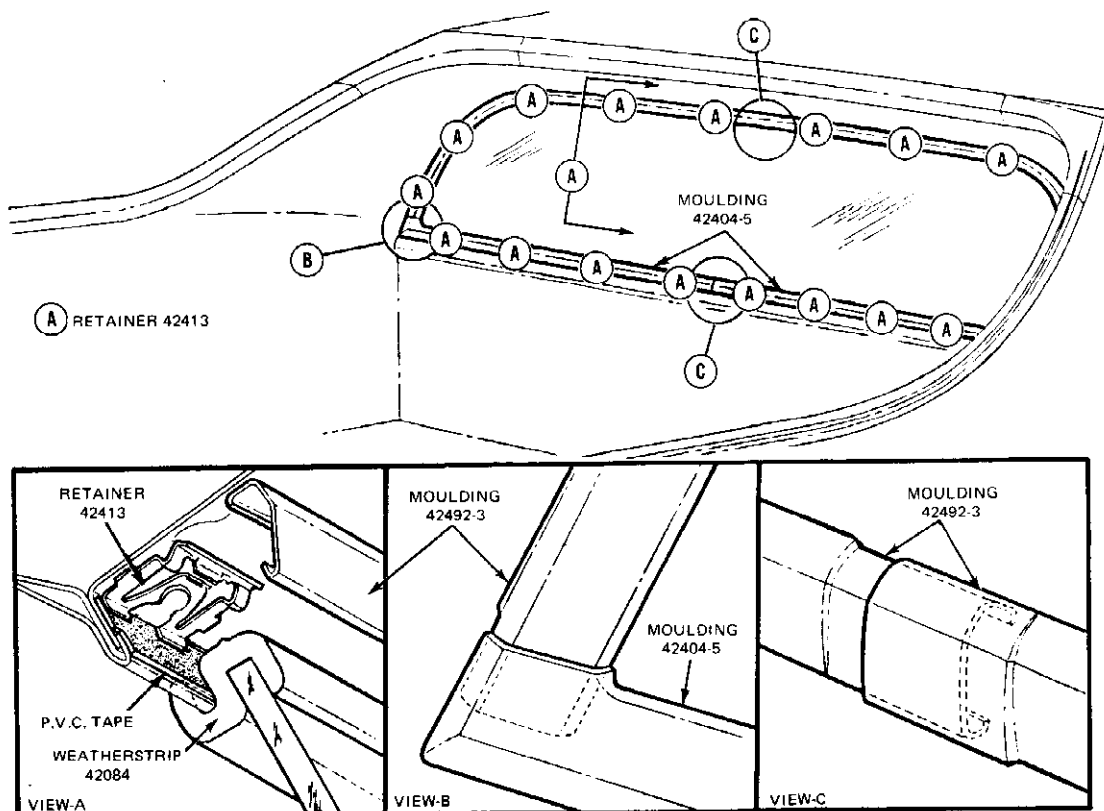
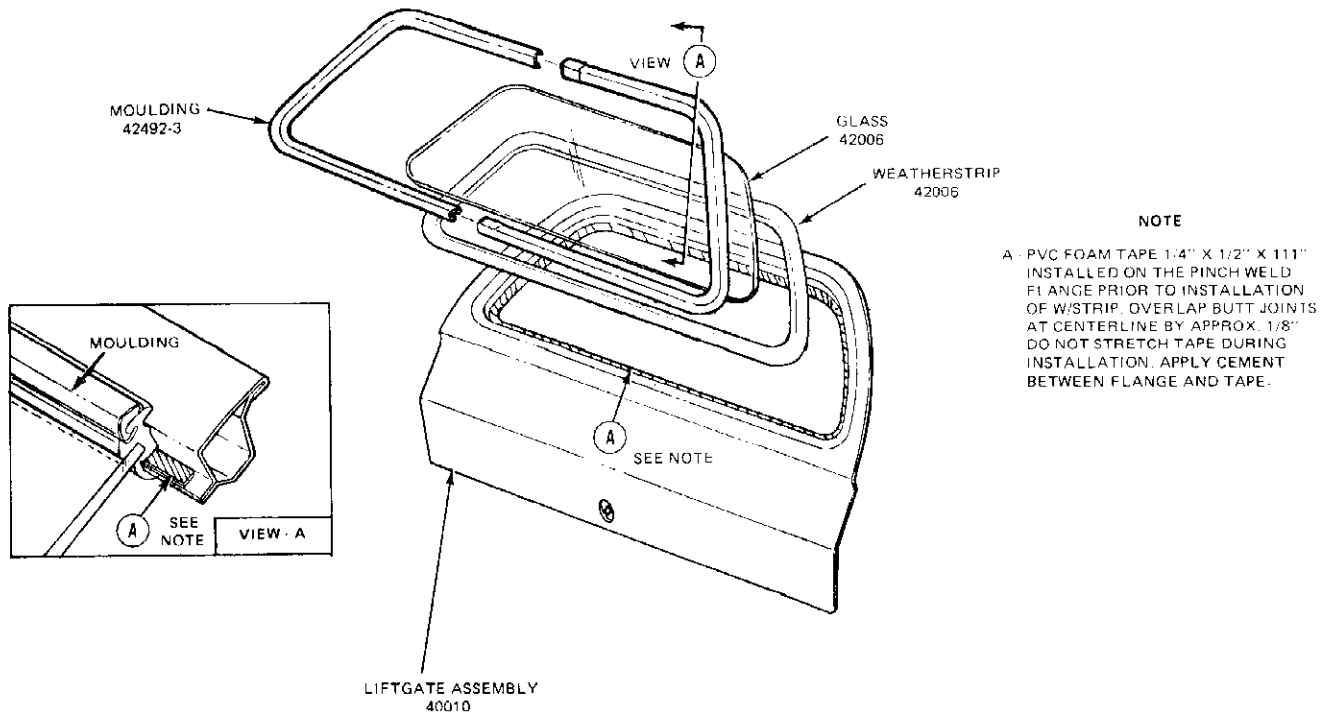


FIG. 10 Back Window and Exterior Mouldings—LTD II Ranchero



N2637-2B

FIG. 11 Back Window and Exterior Mouldings—Pinto and Bobcat Station Wagon

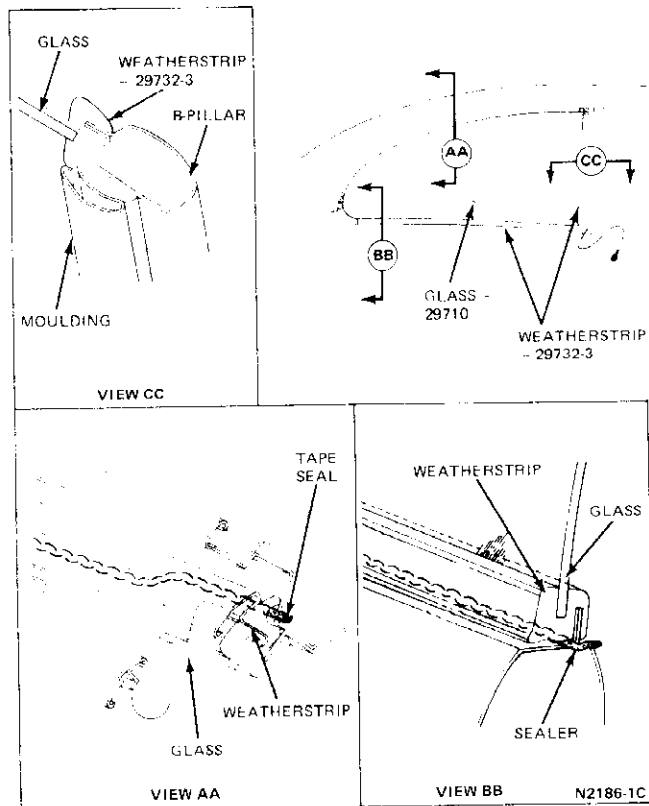


FIG. 12 Quarter Window and Mouldings Pinto and Bobcat

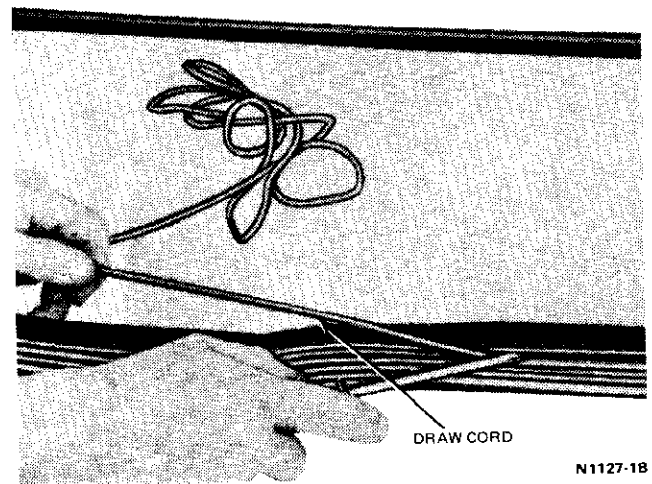


FIG. 13 Draw Cord Installation—Typical

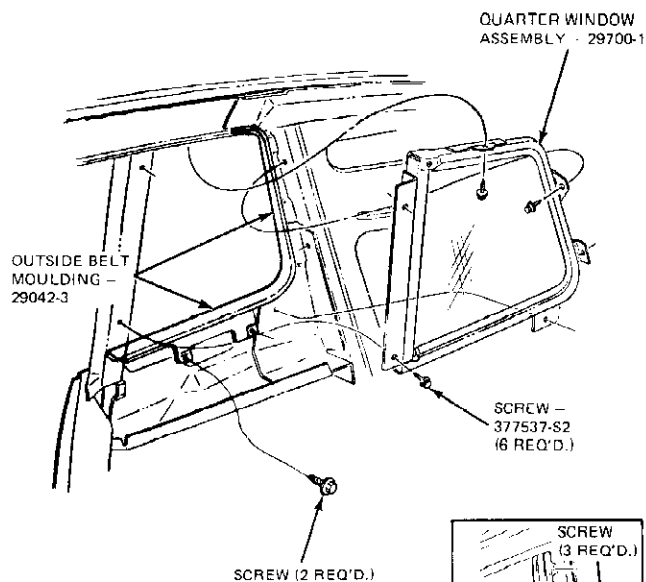


FIG. 14 Quarter Window Installation—Mustang II 2-Door

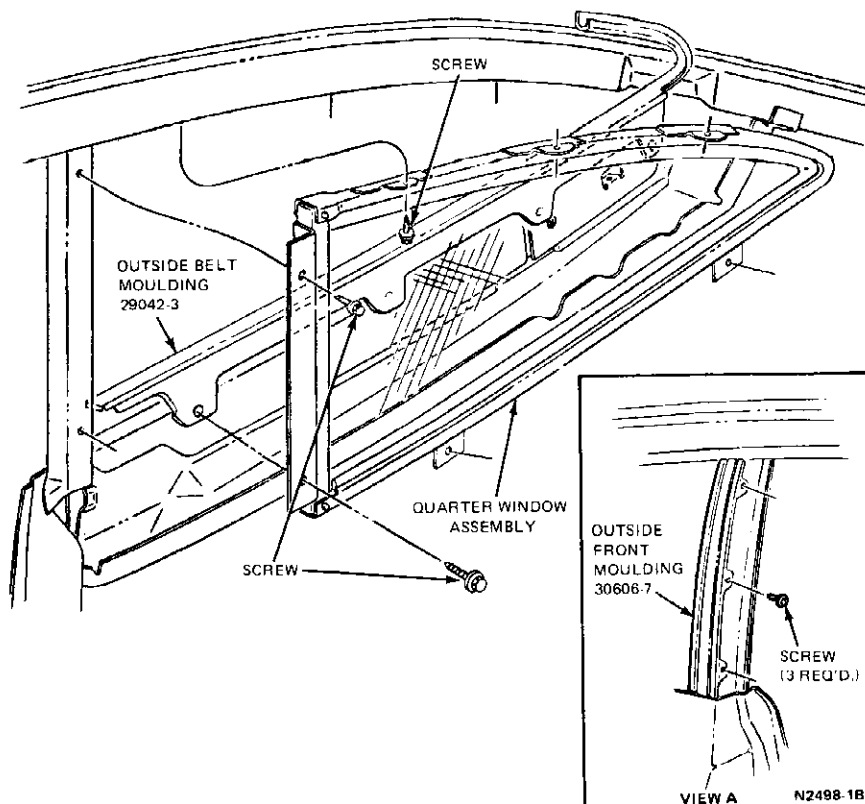


FIG. 15 Quarter Window Installation—Mustang II 3-Door

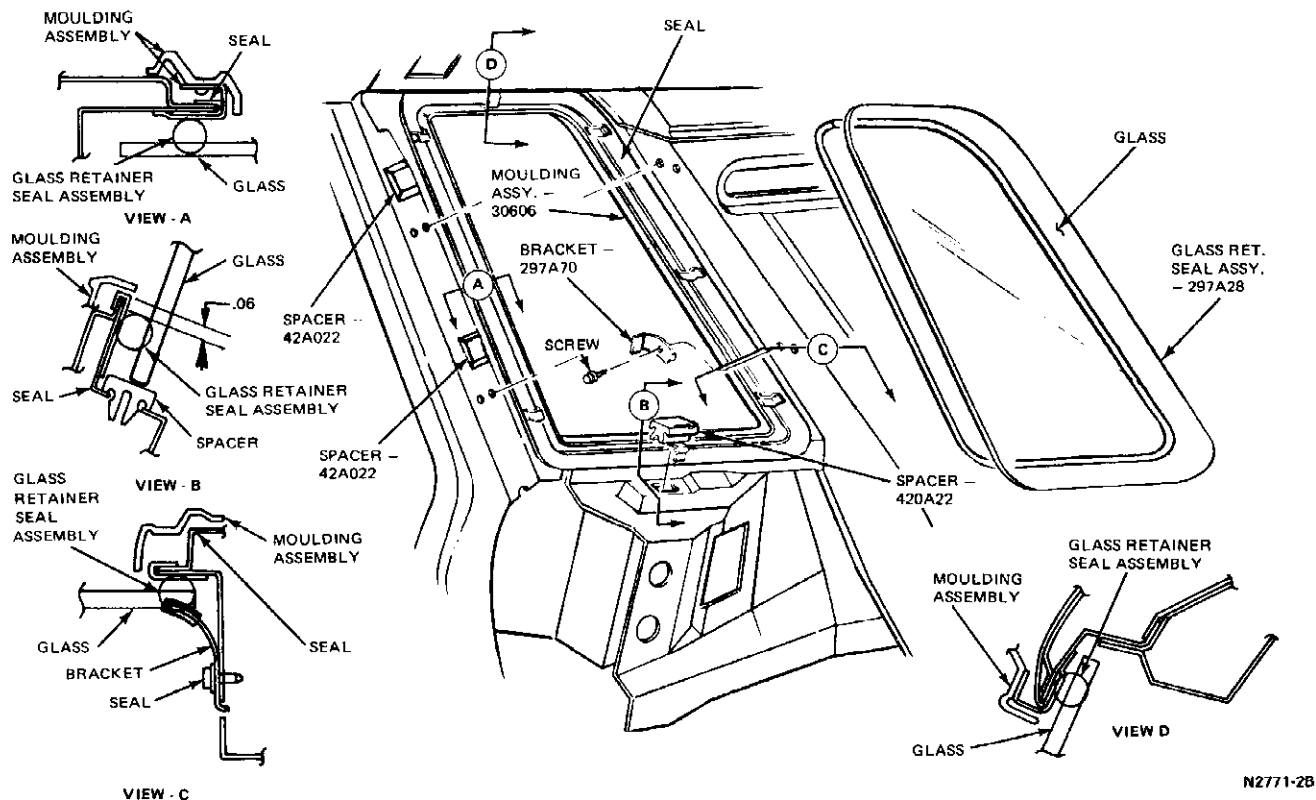


FIG. 16 Stationary Quarter Window—Granada and Monarch 2-Door

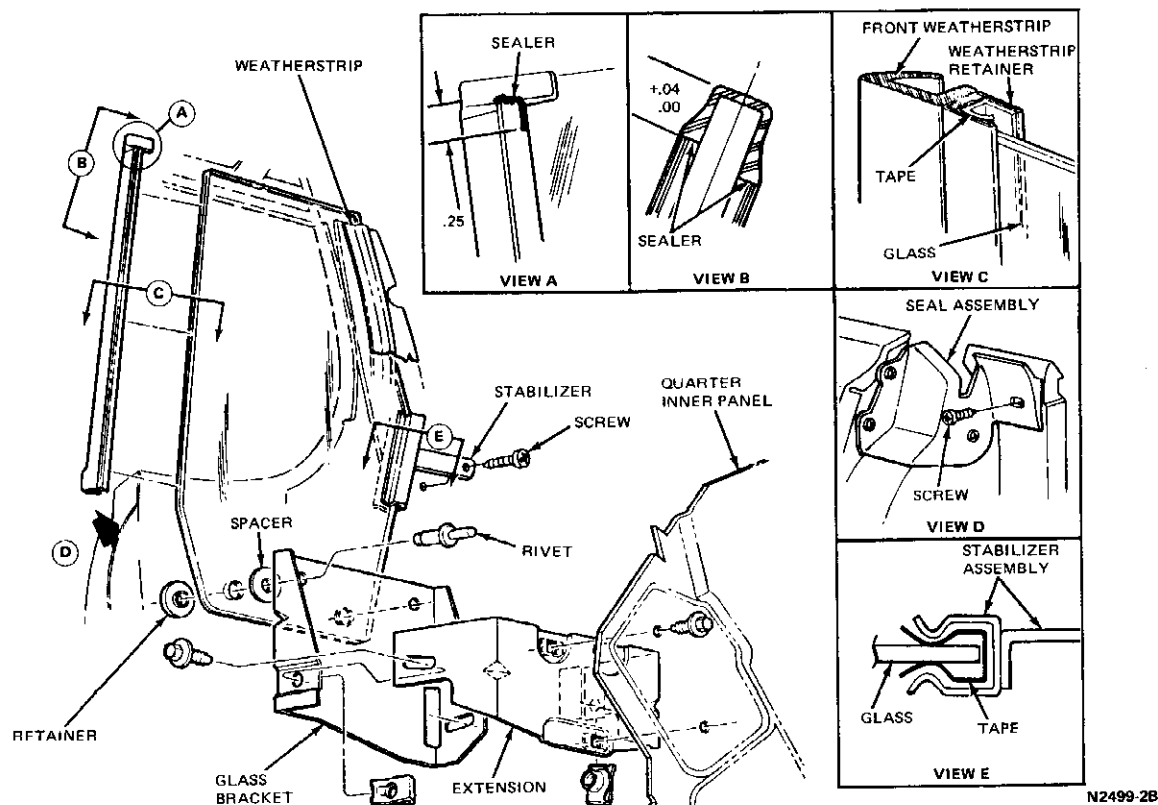


FIG. 17 Stationary Quarter Window—LTD II and Cougar

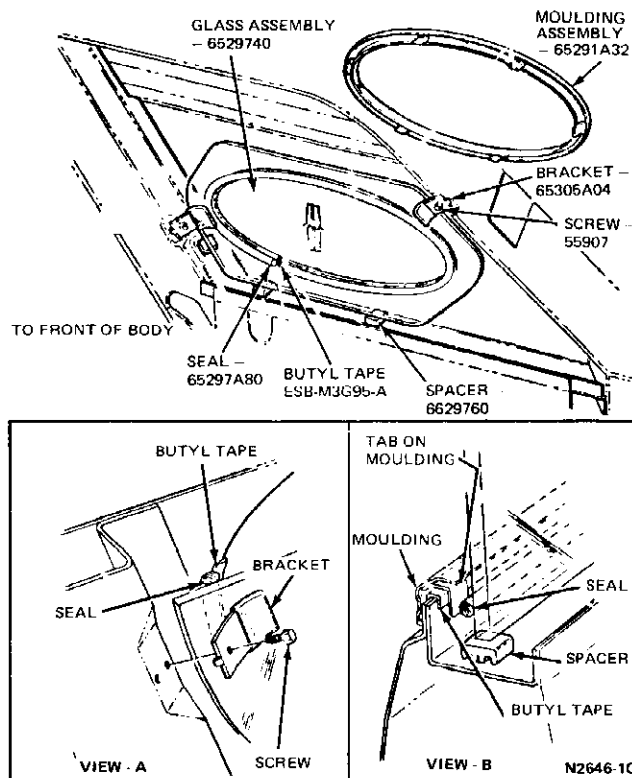


FIG. 18 Opera Window Installation—Continental Mark V—Thunderbird, LTD II, Cougar and Lincoln Continental Similar

Stationary Glass -- Butyl Type Seals

PART 43-11

SUBJECT	PAGE	SUBJECT	PAGE
REMOVAL AND INSTALLATION		REMOVAL AND INSTALLATION (Cont'd.)	
Glass	11-6	Quarter Window Mouldings	11-6
Back Window Mouldings	11-6	Windshield Mouldings	11-1

CR2033-2B

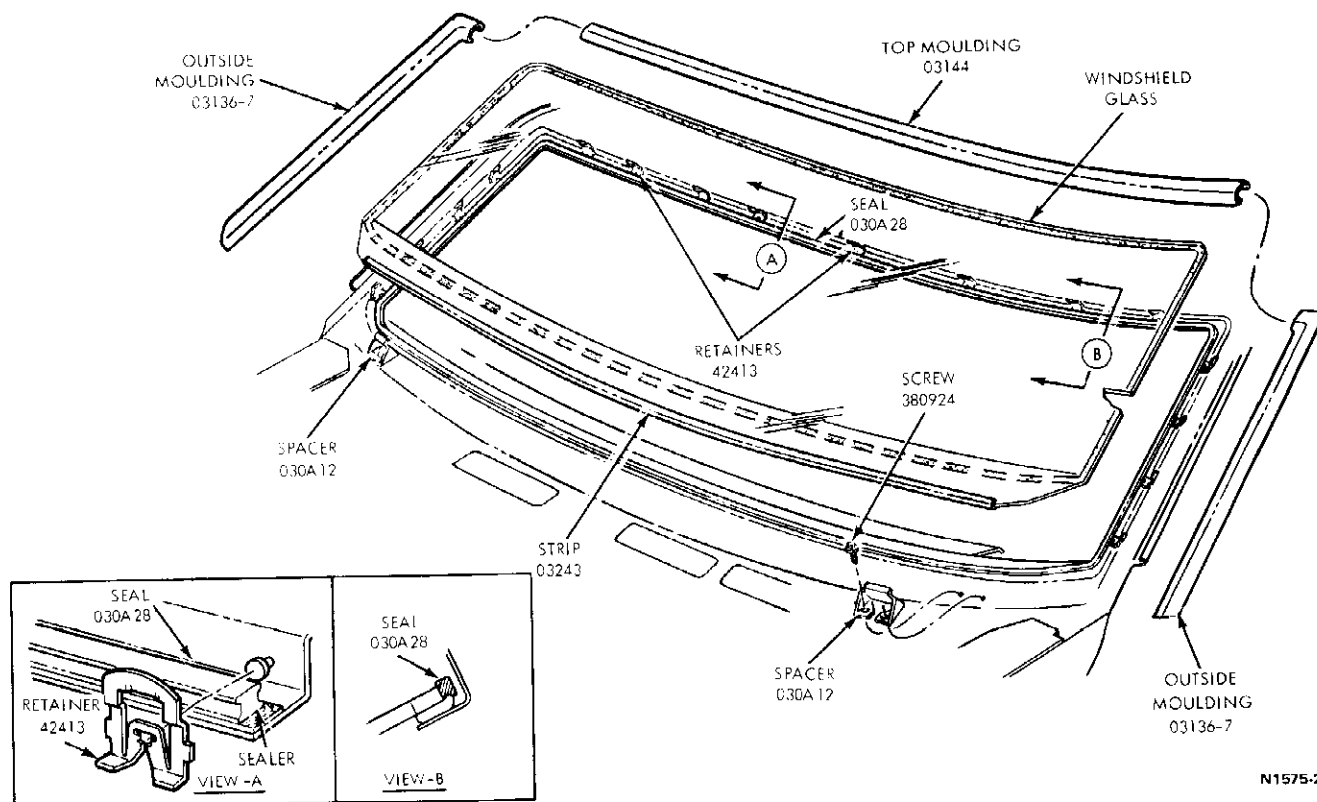
REMOVAL AND INSTALLATION

Before removing the exterior mouldings, it should be determined by the type of retainer used whether a respective door, quarter or luggage compartment trim panel must first be removed to provide access.

If a weld stud is distorted or broken off, it should be replaced with a screw (379560-S101). Also, refer to Fig. 23 in Part 43-01.

WINDSHIELD MOULDINGS

The windshield mouldings for the various models are shown in Figs. 1 through 6. If the mouldings are retained with retainers set in the glass opening, the moulding should be released from the retainers with the tool shown in Fig. 1, Part 43-01.



N1575-2C

FIG. 1 Windshield and Exterior Moulding Installation Ford and Mercury—Typical

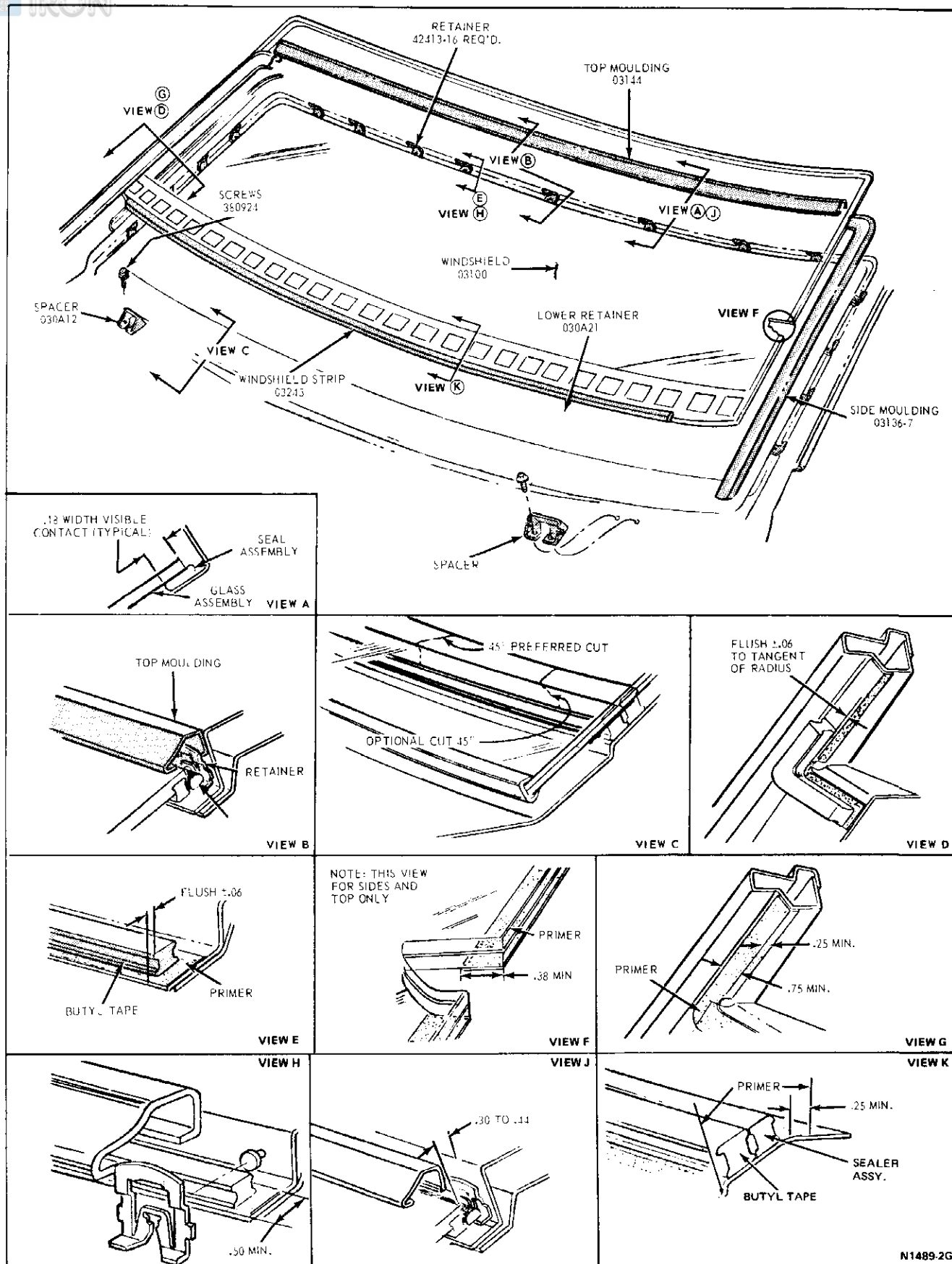
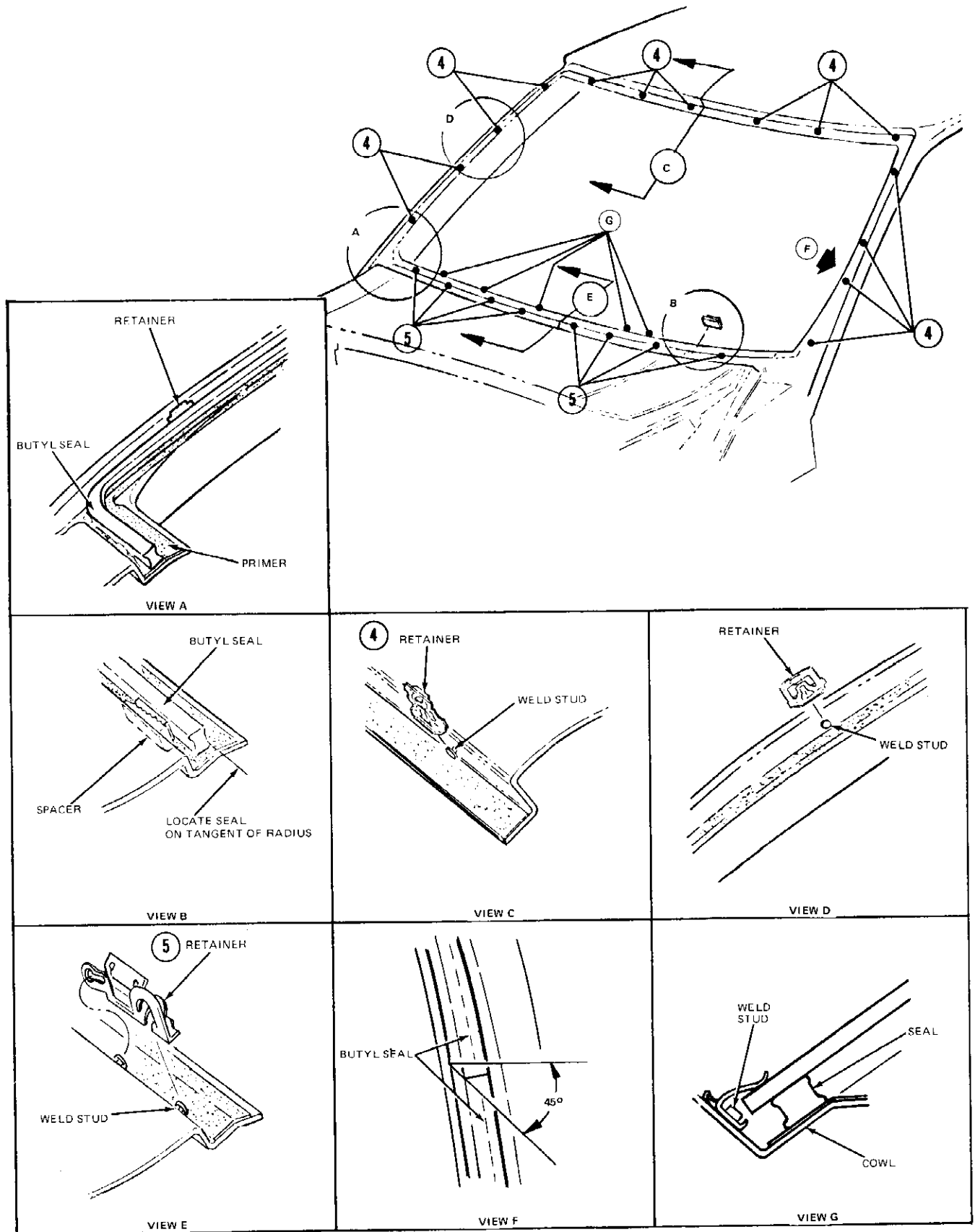


FIG. 2 Windshield and Exterior Moulding Installation—LTD II, Cougar and Thunderbird

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N1388-2E

FIG. 3 Windshield and Exterior Moulding Installation—Mustang II Shown, Fairmont and Zephyr Similar

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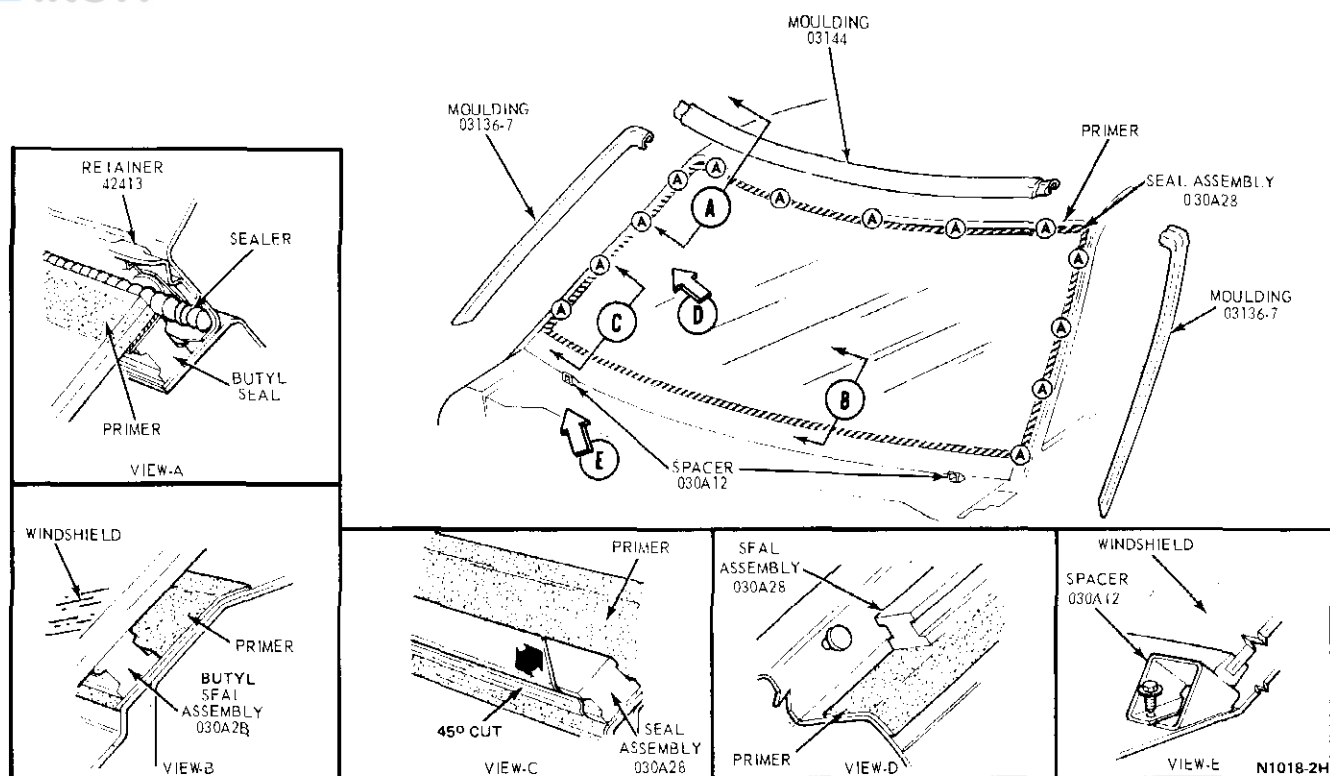


FIG. 4 Windshield and Exterior Moulding Installation—Thunderbird and Continental Mark V

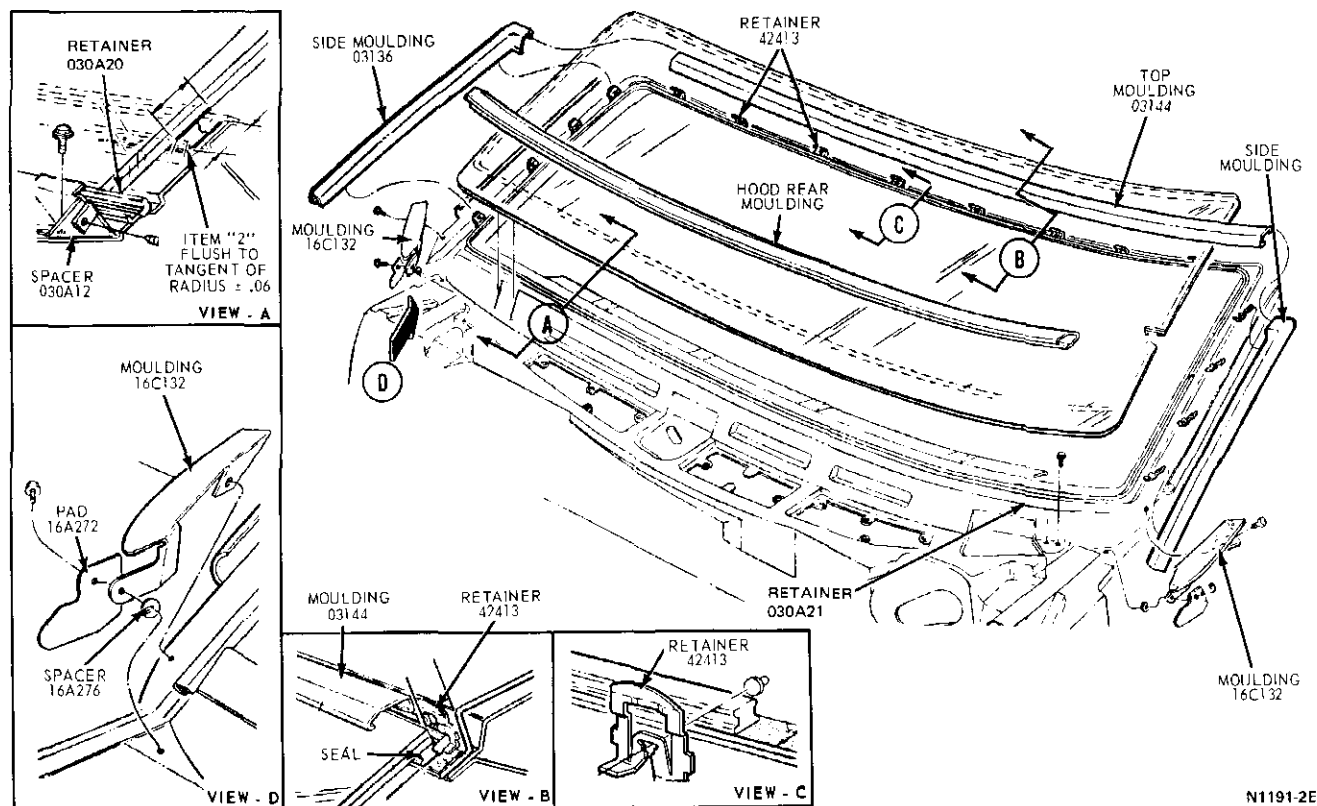


FIG. 5 Windshield and Exterior Moulding Installation—Lincoln Continental

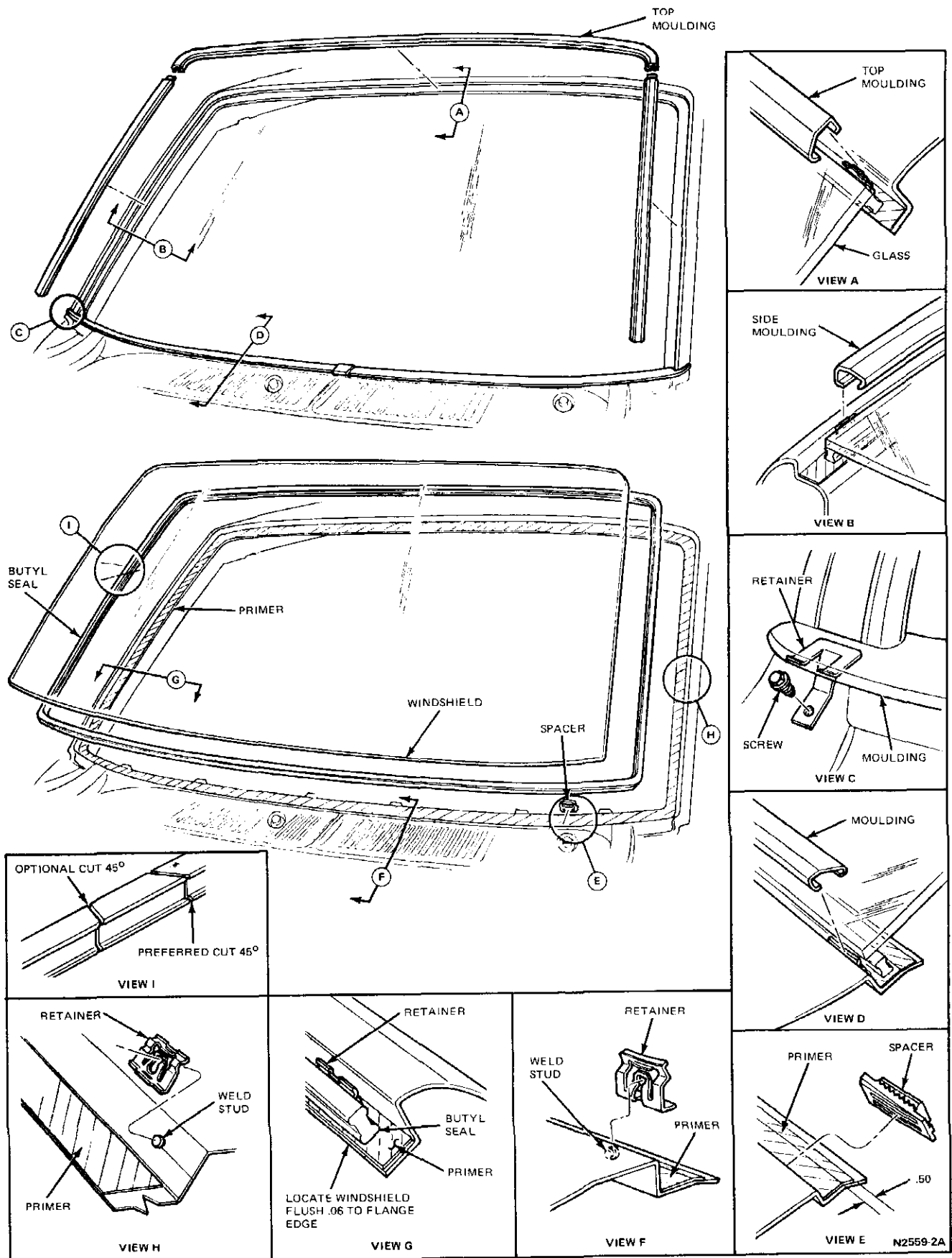


FIG. 6 Windshield and Exterior Moulding Installation—Granada, Monarch and Versailles

BACK WINDOW MOULDINGS (EXCEPT FRENCHED)

The back window mouldings are shown in Figs. 7 through 17. If the mouldings are retained with retainers set in the glass opening, the moulding should be released with the tool shown in Fig. 1, Part 43-01.

FRENCHED BACK WINDOW MOULDINGS

The Special Order "frenched" back window option with the half padded vinyl roof cover, extends over and tucks under the back window mouldings. A "frenched" back window appears to be recessed down into the roof cover, with no back window mouldings visible.

Removal

1. Using a sharp knife or razor blade, remove the bead of silastic rubber adhesive from between the roof cover and the back window glass.

NOTE: When cutting the seal, hold the knife blade cutting edge against the glass to avoid the possibility of cutting the roof cover (Figs. 8 and 9).

2. Using a hooked tool fabricated from a discarded Bowden control wire or equivalent, carefully pull the roof cover out from between the glass and the covered back window moulding.

NOTE: For added clearance, pry up the covered moulding with a wood wedge or a putty knife blade. Do not use heat to soften the vinyl.

3. Carefully peel the roof cover back at least one inch from the moulding. This is a critical phase of the repair as the vinyl cover and the padding can be seriously damaged unless the cover and the padding is carefully cut away from the moulding and the roof panel. Usually the padding will stick to the cover as it is pulled up and back from the moulding. A blunted putty knife can be used to push the pad away or a sharp knife can be used to cut the pad away from the moulding and roof panel.
4. Secure the peeled back cover and padding with tape as shown in Figs. 8 and 9, to about one inch beyond the mouldings around the entire back window.

NOTE: The cover and pad are shown peeled back more than necessary for illustration purposes.

5. Remove the back window mouldings using tool shown in Part 43-01, Fig. 1.

Installation

1. Install the back window mouldings.
2. Using Vinyl Top Adhesive (D4AZ-19C525-A) (or equivalent) with the instructions shown in part 46-20, install the peeled back portion of the roof cover. The vinyl roof cover wrinkles can be carefully pulled out and the material pushed back into position under the mouldings using the reworked putty knife and the wedge.

NOTE: Do not use heat in an attempt to eliminate wrinkles.

3. Reseal the glass-to-roof cover gap with a thin bead of Dow Corning Clear Silastic Adhesive or equivalent. This adhesive can be tooled before it starts to "skin over" so that it will not show under normal inspection.

QUARTER WINDOW MOULDINGS

FORD AND MERCURY STATION WAGON ONLY—FOR ALL OTHER MODELS, REFER TO PART 43-01.

The quarter window mouldings (Figs. 13 and 14), are retained with retainers set in the glass opening and should be released with the tool shown in Fig. 1, Part 43-01.

GLASS BUTYL TYPE SEAL

There are two procedures applicable to the installation of glass with butyl type seal.

Procedure No. 1 should be used with butyl kit (03863) packaged with 5/16" diameter butyl (round type). DO NOT use this kit if adhesion of existing butyl-to-pinch weld flange is unreliable, as indicated by a surface which is not smooth and free of excessive skips, bumps and contamination.

Procedure No. 2 should be used with butyl kit (03863) packaged with "I" beam type butyl, where complete replacement of existing butyl is necessary.

Removal (Procedure No. 1)

Engine must be off on vehicles equipped with high voltage output type heated glass.

1. Remove the windshield wiper arms and blades if the windshield is being replaced (Figs. 1 through 6).
2. Remove the window mouldings (Figs. 7 through 15).
3. On the heated back window, it will be necessary to disconnect the window wires at the connectors on both sides of the window before proceeding with the glass removal.
4. With an electric knife Tool No. T70B-42006-A or equivalent (Figs. 16, 17 and 19), insert the blade under the edge of the glass. Cut the butyl seal as close to the inside surface of the glass as possible. To cut the butyl at the lower corners of the glass, move the handle of the tool as close to the corner as possible. Then, rotate the blade downward to cut the corner butyl seal and remove the glass from the vehicle using the glass holding tool.

Installation

1. Temporarily position the replacement glass in the windshield opening using spacers to prevent glass-to-metal contact. Adjust glass side to side to the best glass-to-"A" pillar weld flange overlap position and adjust lower spacers, if necessary, for proper positioning at the top. A minimum of 3/16" butyl tape-to-glass contact is required around the periphery to assure proper retention and adequate seal. Mark this location with a crayon on the outside surface of the glass and a corresponding point of the glass opening. Remove the glass and clean the inside surface and edge thoroughly.
2. Starting at the side of the glass opposite the original butyl splice, place the 5/16" diameter butyl furnished in the kit on top of and in a position that assures the 3/16" minimum contact with the glass on the existing butyl remaining on the pinch flange. NOTE: Do not allow the new butyl to overhang the edge of the existing butyl and do not stretch the butyl or bridge the corners of the window opening.

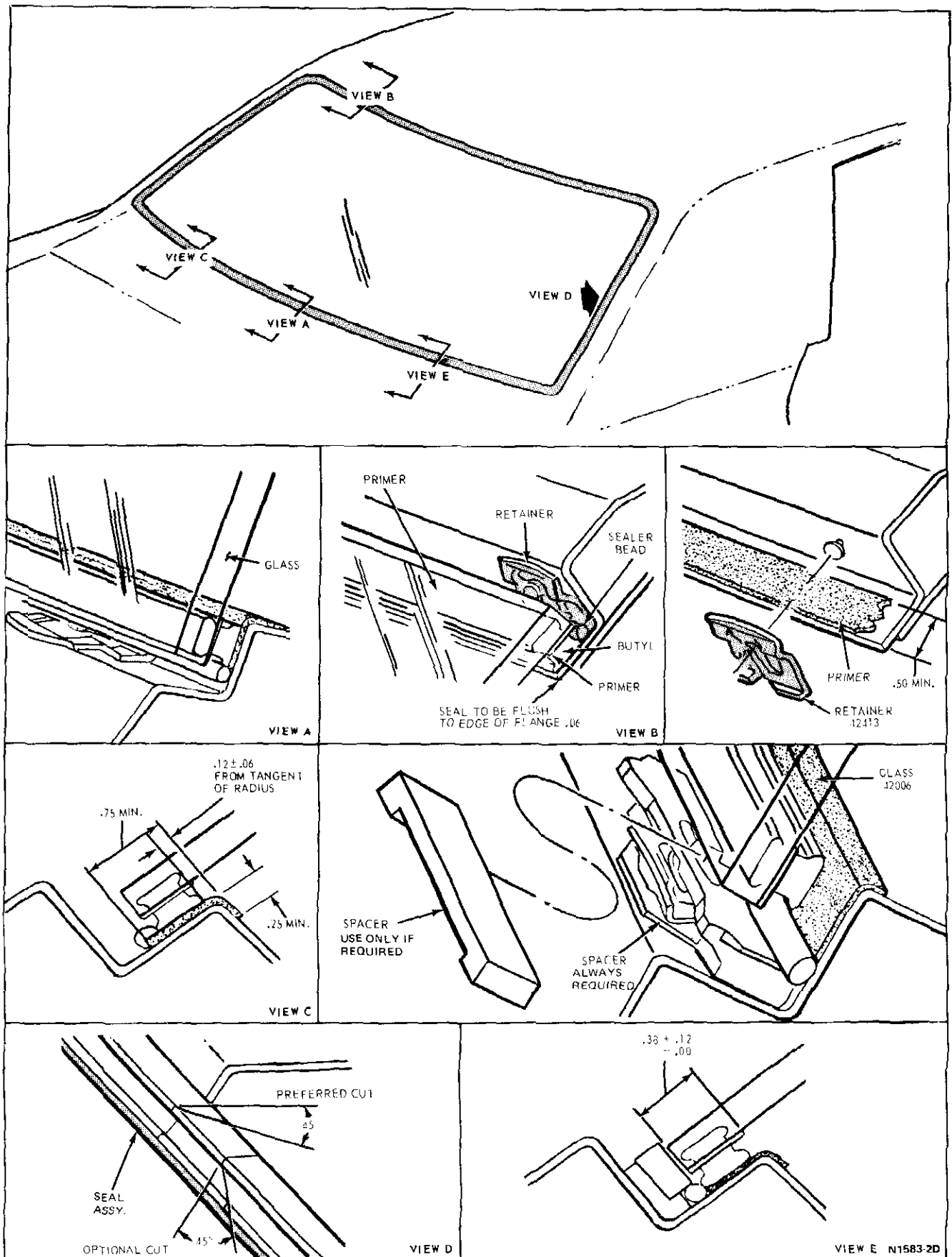
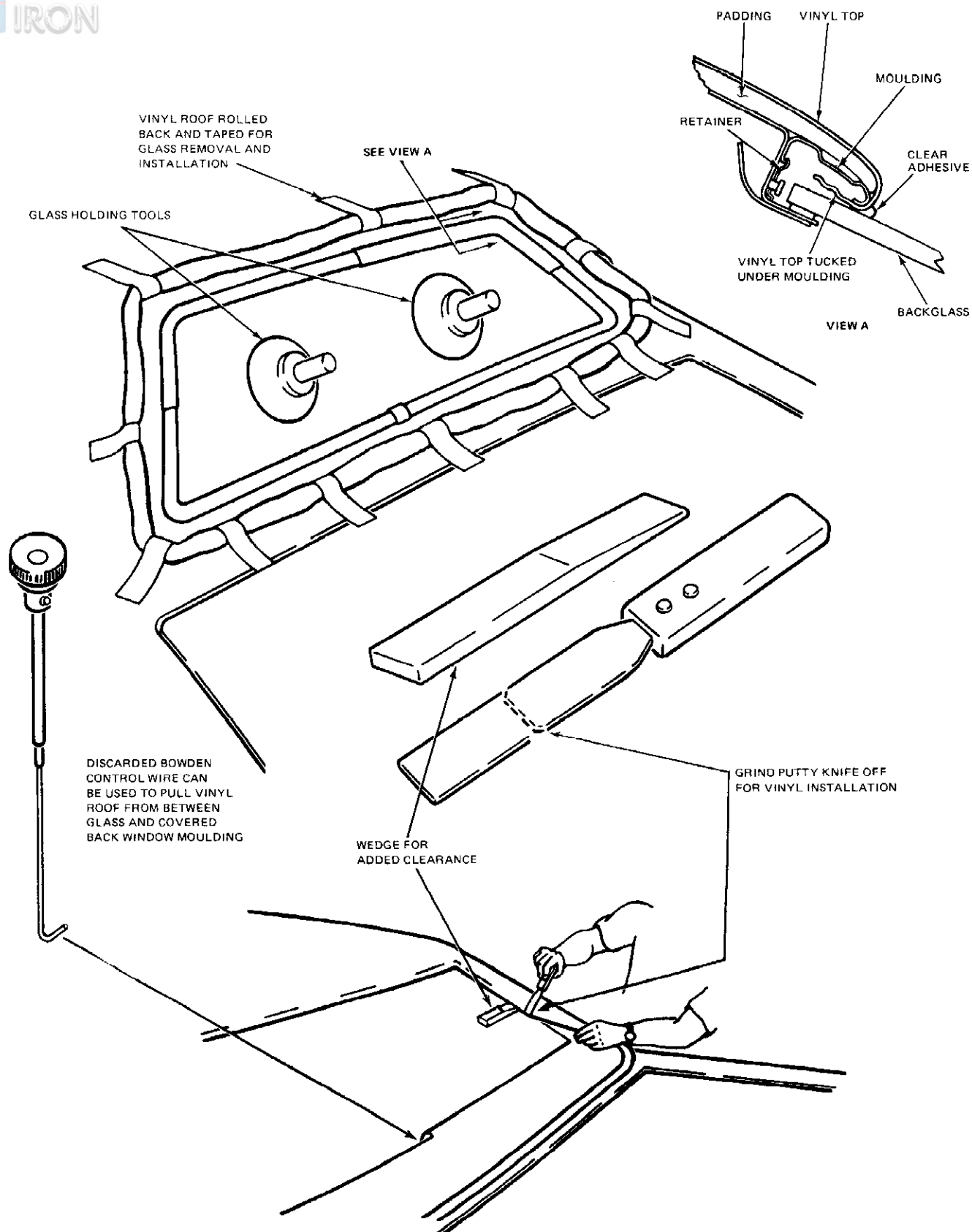


FIG. 7 Back Window and Exterior Moulding Installation—Ford and Mercury Except Station Wagon—Typical



N2773-2A

FIG. 8 Frenched Back Window Moulding Installation—Mark V and Lincoln

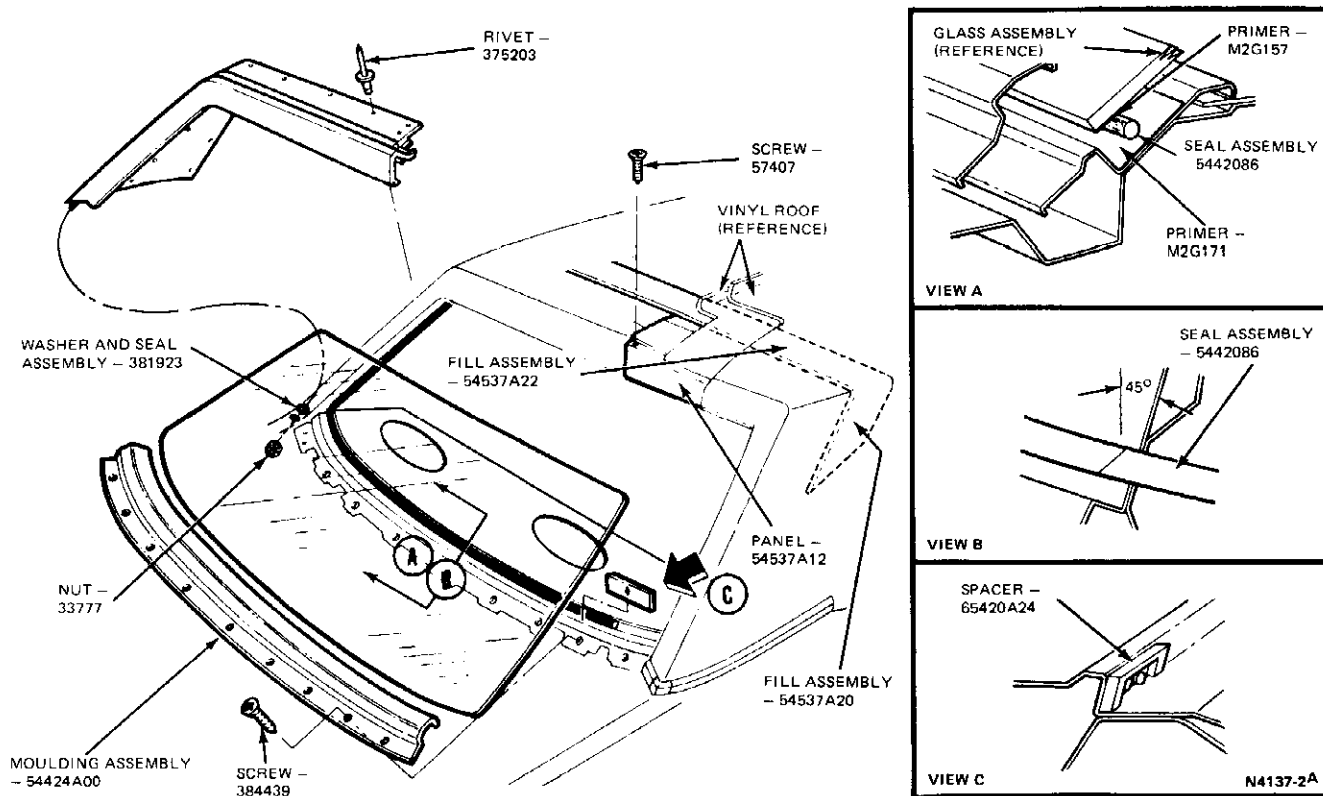


FIG. 9 Frenched Back Window Installation—Versailles

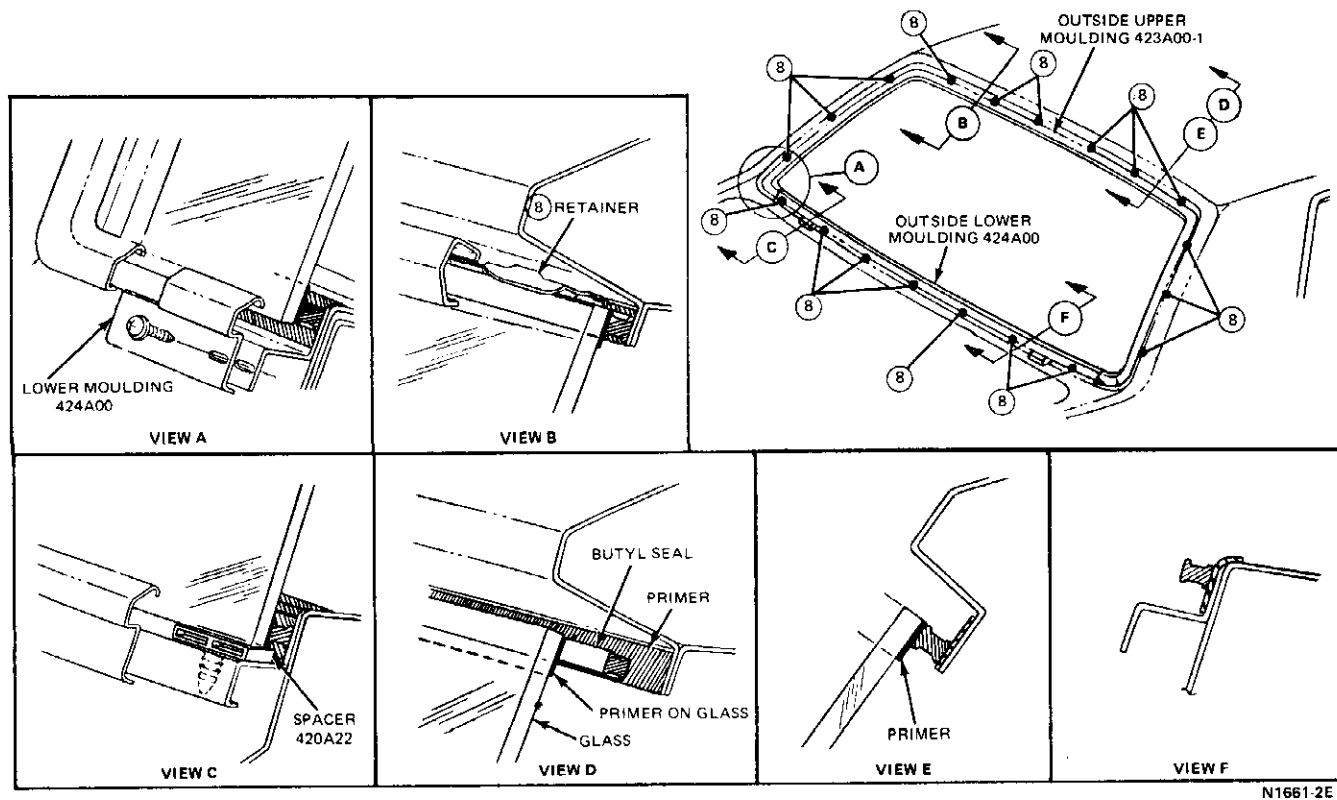


FIG. 10 Back Window Exterior Mouldings—Mustang II 2-Door

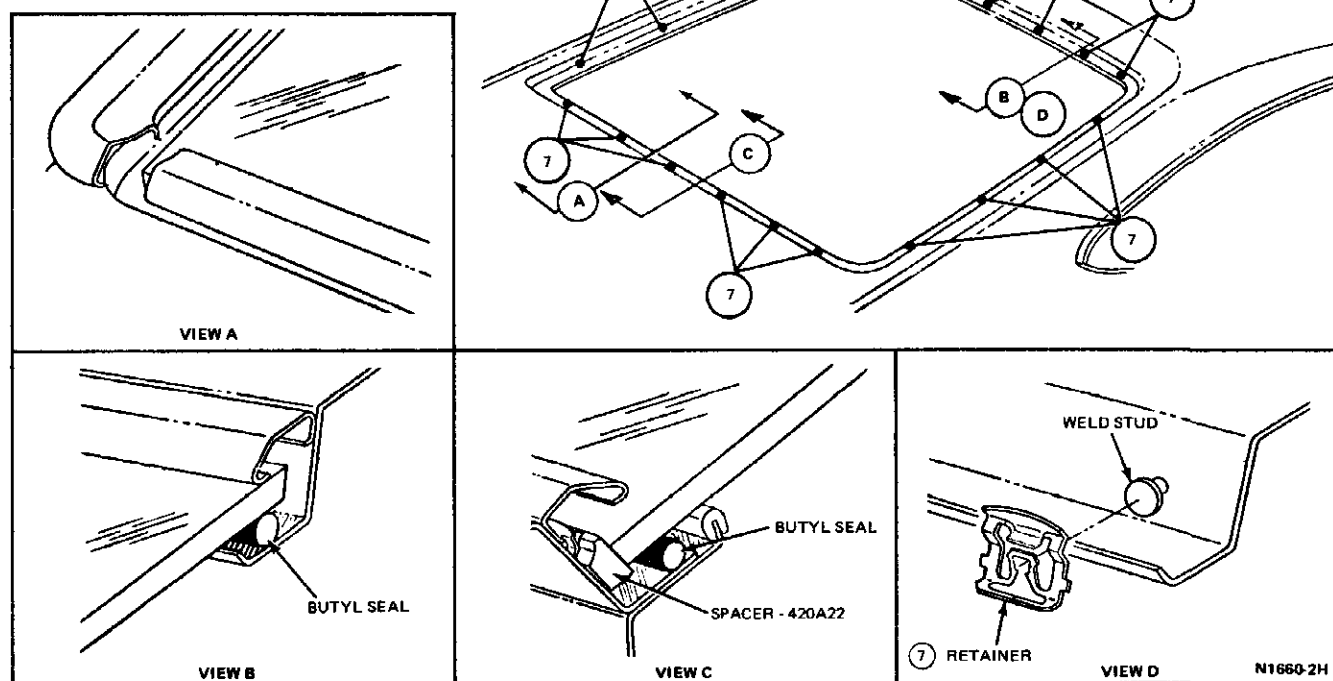


FIG. 11 Back Window Exterior Mouldings—Mustang II 3-Door

3. Carefully splice the two loose ends of the new butyl.
4. Apply the primer (furnished in the kit) around the perimeter of the cleaned inside surface and the edge of the glass in the area that will contact the butyl seal (Fig. 18). Allow the primer to dry one minute before installing the glass.
5. Place the glass in the opening, aligning the crayon marks.
6. Firmly press the glass against the butyl with hand pressure or weights. Recheck to assure that the 3/16" contact between glass and butyl is achieved. A dull spot indicates an area where the butyl is not contacting the glass surface. Additional pressure will seal such areas.
7. From outside the vehicle, apply C9AZ-19554-B Auto Glass Liquid Sealer (or equivalent) around the entire edge of the glass.
8. Remove any excess primer from the inside surface of the glass with a razor blade and wipe the glass with a clean cloth dampened in naphtha.
9. When the liquid sealer has "skinned-over" (approximately ten minutes), water test the installation. If necessary, repair any leaks with additional liquid sealer.
10. Install the mouldings and wiper arms and blades.
11. On the heated back window, it will be necessary to apply a piece of tape to the pinch weld flange under the wires. Then, connect the wires and install the garnish and exterior mouldings.
12. When cleaning the heated back window, use only liquid window cleaning solvent. Do not use steel wool or abrasive powders, as damage to the grid wires will result.

13. Clean the glass and surrounding area.

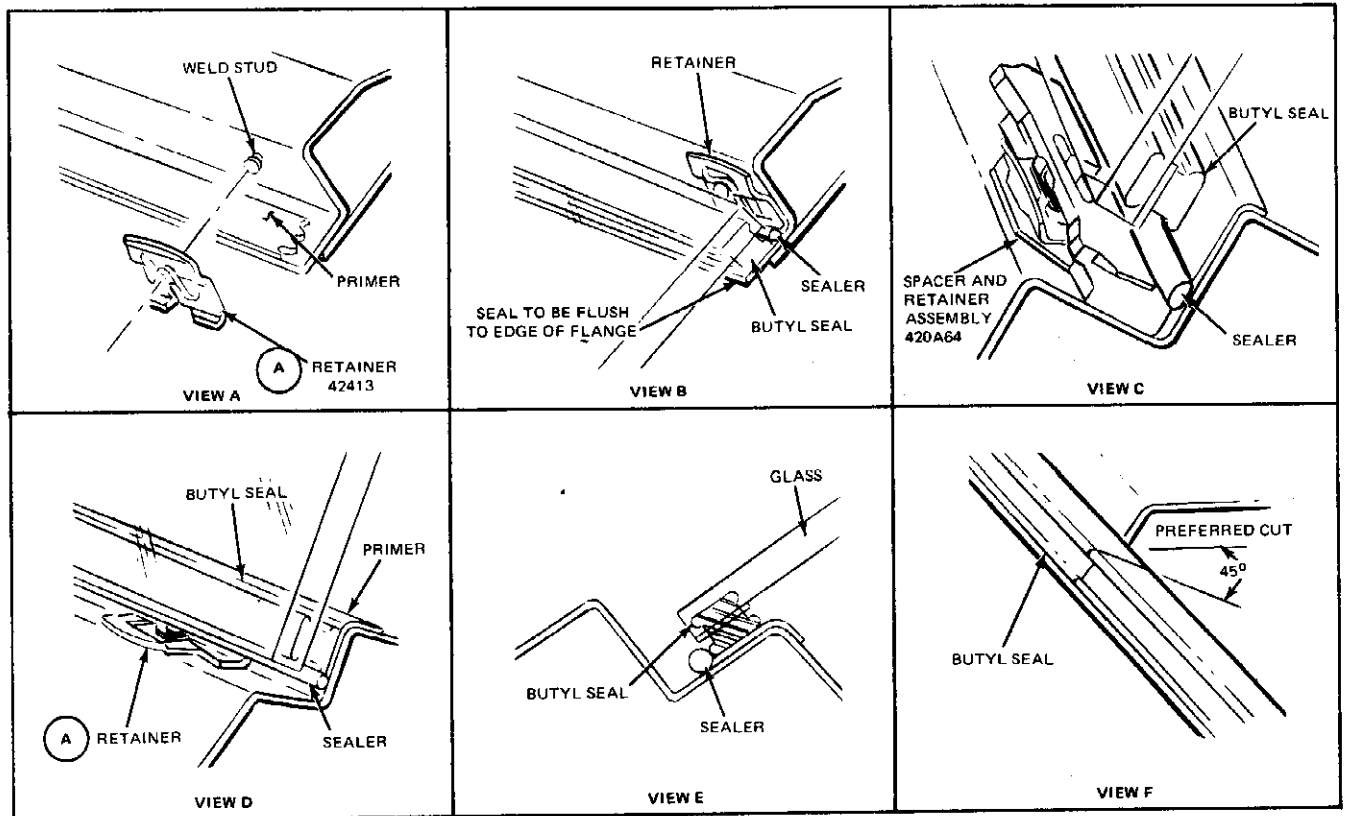
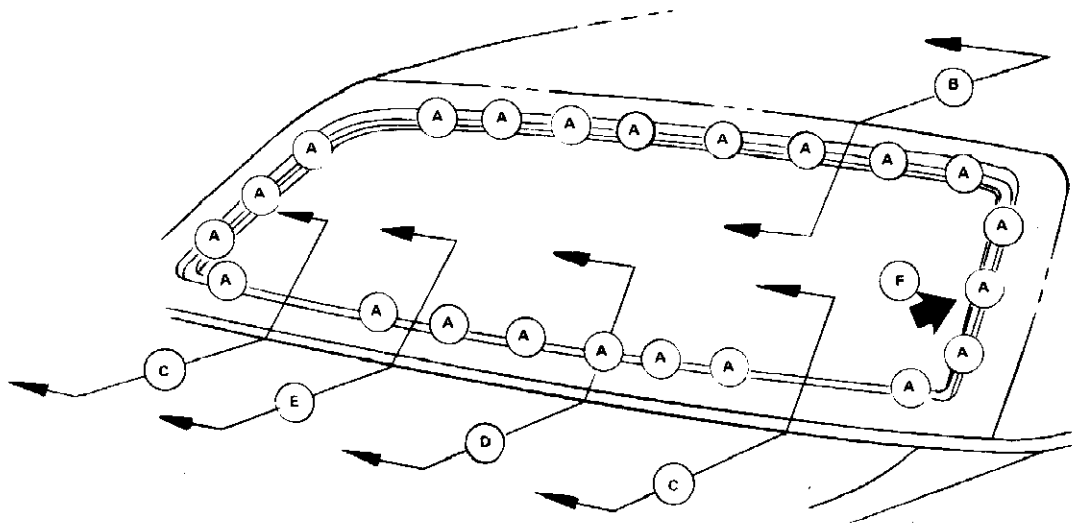
Removal (Procedure No. 2)

Engine must be off on vehicles equipped with high voltage output type heated glass.

1. Remove the windshield wiper arms and blades if the windshield is being replaced.
2. Remove the window mouldings.
3. On the heated back window it will be necessary to disconnect the window wires at the connectors on both sides of the window before proceeding with the glass removal.
4. With a electric knife (special Tool T70B-42006-A or equivalent), insert the blade under the edge of the glass. Cut the butyl seal as close to the inside surface of the glass as possible. To cut the butyl at the lower corners of the windshield, move the handle of the tool as close to the corner as possible. Then, rotate the blade downward to cut the corner butyl seal and remove glass from the vehicle using the glass holding tool (Figs. 16, 17 and 19).

Installation

1. Clean all remaining butyl from the pinch weld flange and wipe the sheet metal with naphtha or equivalent solvent to provide a clean surface for the replacement butyl.
2. Inspect flange carefully for sheet metal deficiencies, and the sealing surface of the pinch weld flange for chipped or missing paint and repair as necessary.
3. Temporarily position the replacement glass in the windshield opening using spacers to prevent glass-to-metal contact. Adjust glass side to side to the



N1573-2F

FIG. 12 Back Window Exterior Mouldings—Continental Mark V

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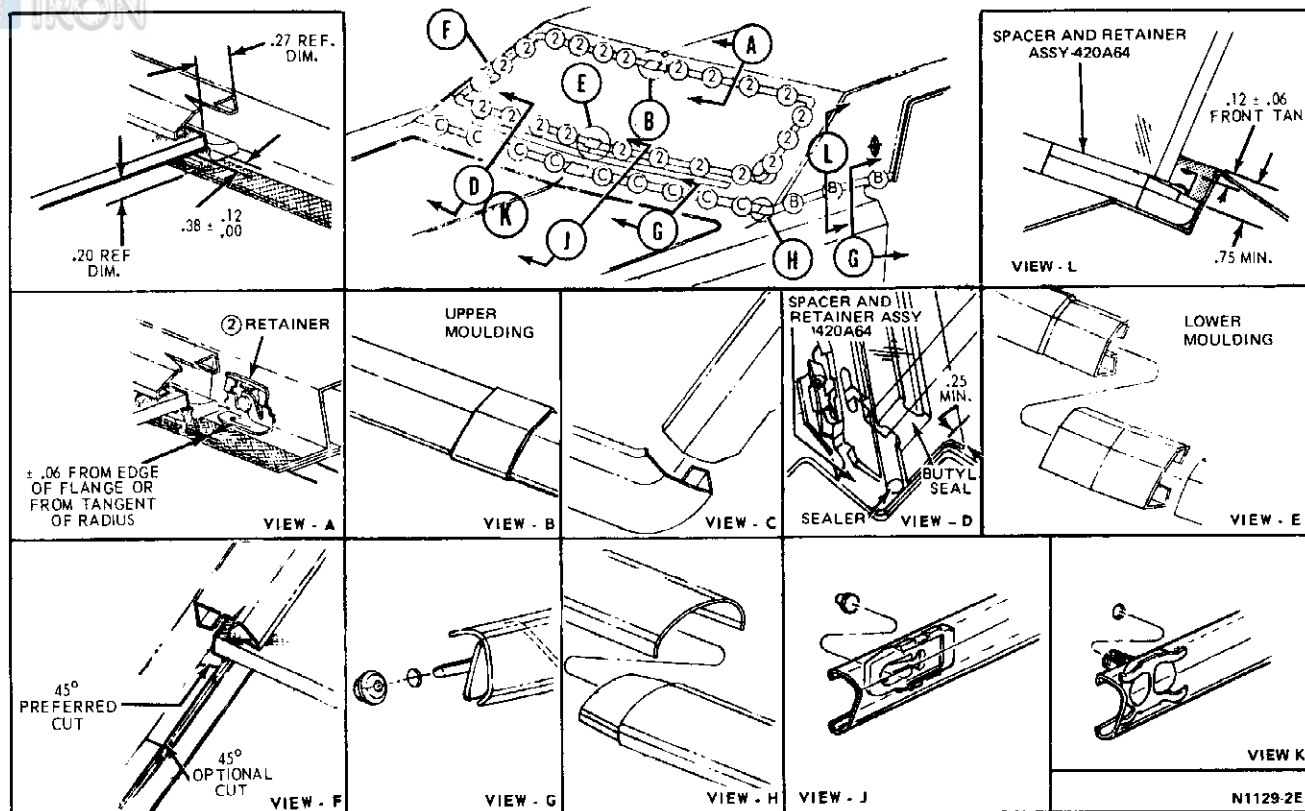


FIG. 13 Back Window Exterior Mouldings—Lincoln Continental 2-Door Shown—Typical 4-Door

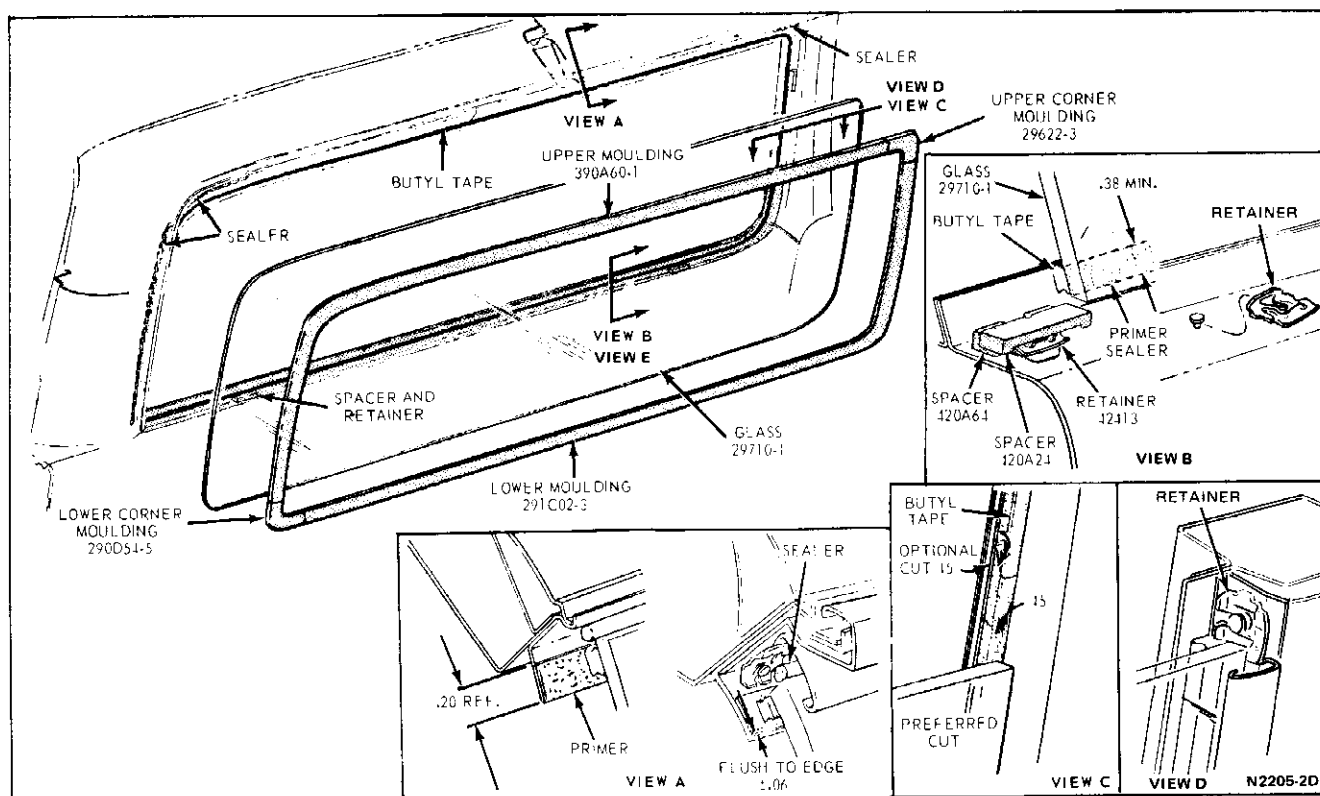
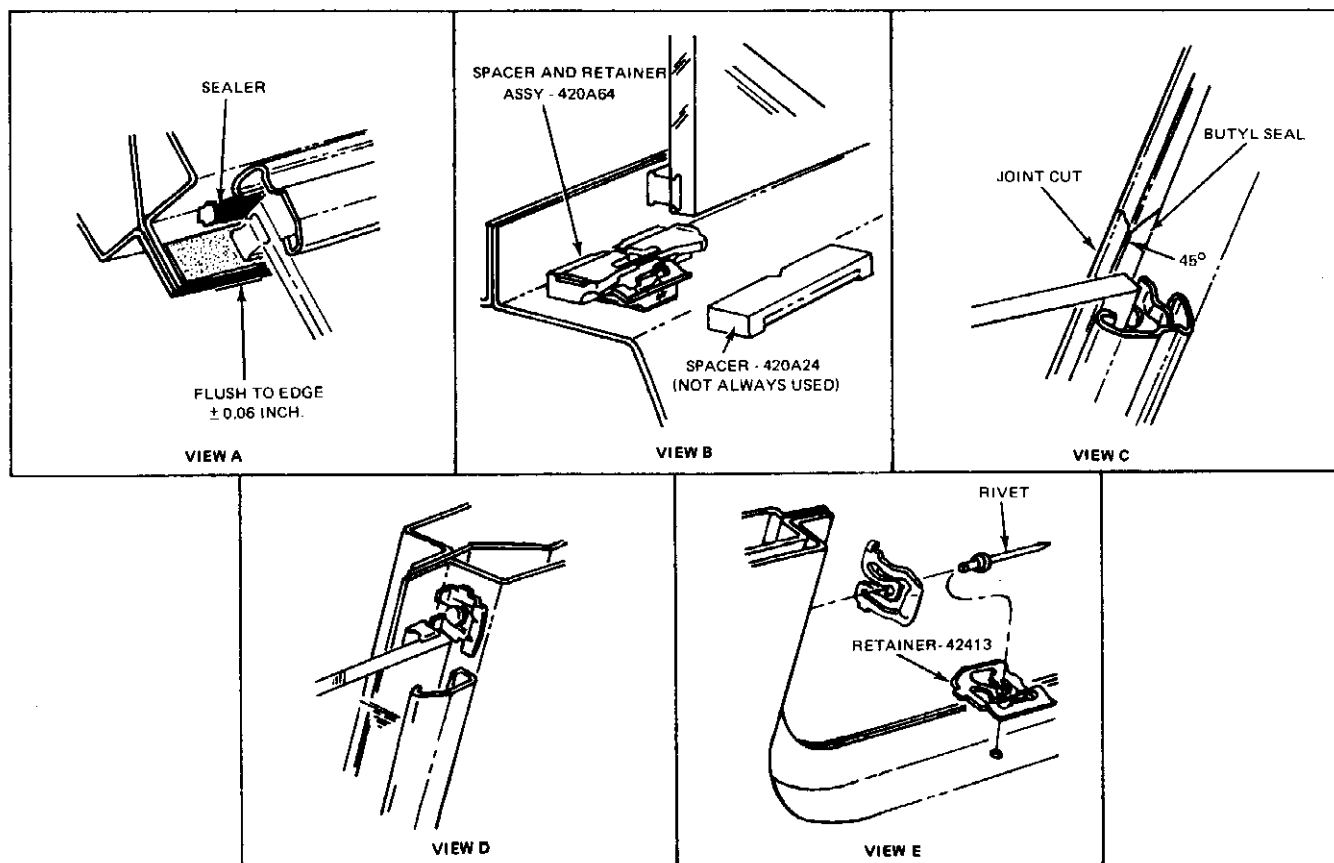
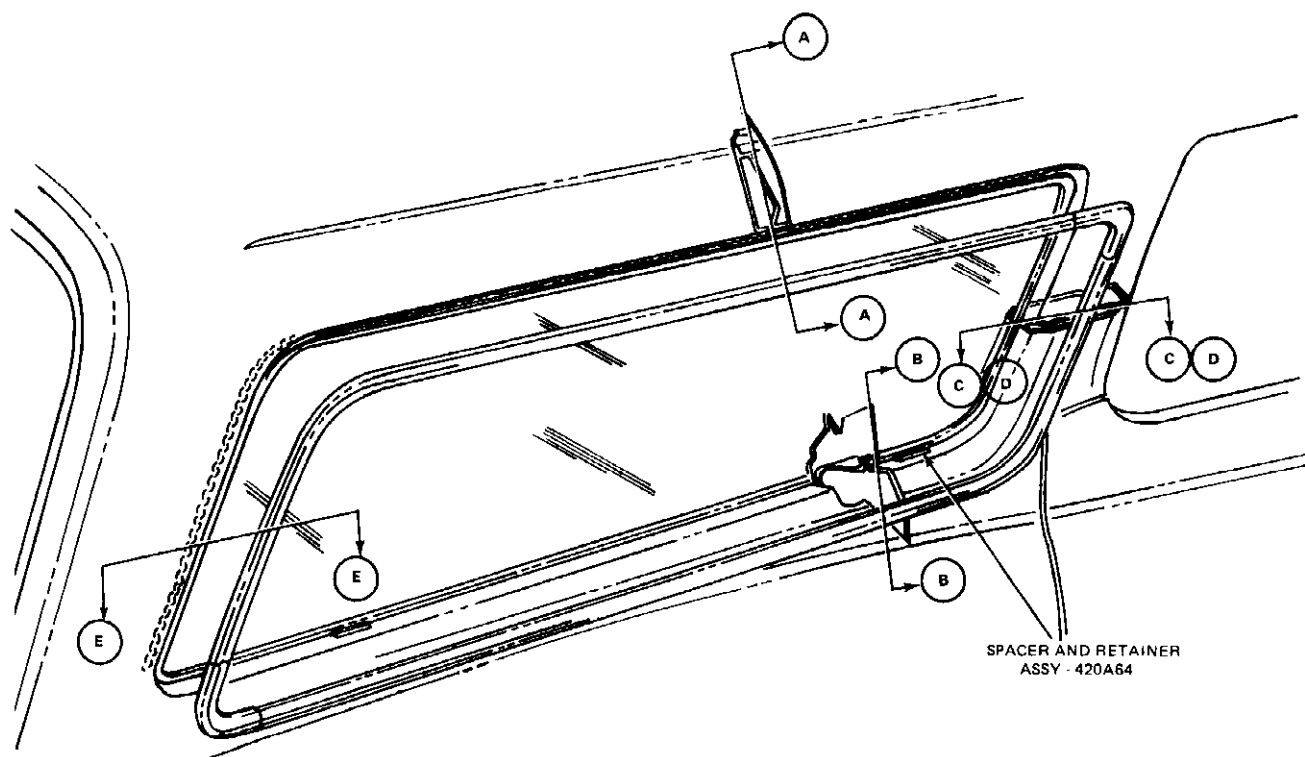


FIG. 14 Quarter Window Moulding Installation—Ford and Mercury Station Wagon—Fairmont and Zephyr Similar



N2459-2A

FIG. 15 Quarter Window and Moulding Installation—LTD II Station Wagon



FIG. 16 Removing Butyl Type Seal



FIG. 17 Cutting Corner Seal

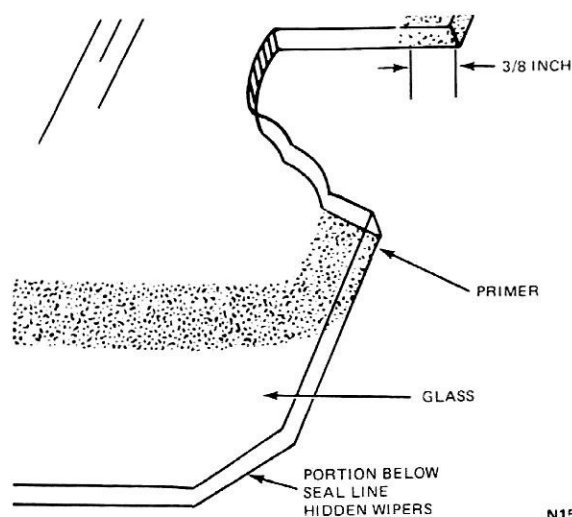


FIG. 18 Primer Installation

best glass-to-"A" pillar weld flange overlap position and adjust lower spacers, if necessary, for proper positioning at the top. A minimum of 3/16" butyl tape-to-glass contact is required around the periphery to assure proper retention and adequate seal. Mark this location with a crayon on the outside surface of the glass and a corresponding point of the glass opening. Remove the glass and clean the inside surface and edge thoroughly.

4. Starting at the midpoint on one "A" pillar, place the butyl tape flush to 1/16" inboard of the pinch weld flange edge around the periphery of the opening and along the raised area of the cowl top panel provided for the seal. NOTE: Do not allow the butyl to bridge corners of the window opening and do not stretch the butyl.
5. Cut the butyl at the required length on a 45 degree angle and carefully splice the two loose ends.
6. Apply the primer (furnished in the kit) around the perimeter of the cleaned inside surface and the edge of the glass in the area that will contact the butyl seal (Fig. 18).
7. Allow the primer to dry one minute before installing the glass.
8. Place the glass in the opening, aligning the crayon marks.
9. Firmly press the glass against the butyl with hand pressure or weights. Recheck to assure that 3/16 inch contact between glass and butyl is achieved. A dull spot indicates an area where the butyl is not contacting the glass surface. Additional pressure will seal such areas.
10. From outside the vehicle, apply C9AZ-19554-B Auto Glass Liquid Sealer (or equivalent) around the entire edge of the glass.
11. Remove any excess primer from the inside surface of the glass with a razor blade and wipe the glass with a clean cloth dampened in naphtha.
12. When the liquid butyl has "skinned over" (approximately ten minutes), water test the installation. If necessary, repair any leaks with additional liquid sealer.
13. Install the mouldings and wiper arms and blades.
14. On the heated back window, it will be necessary to apply a piece of tape to the pinch weld flange under the wires. Then, connect the wires and install the garnish and exterior moldings.
15. When cleaning the heated back window, use only liquid window cleaning solvent. Do not use steel wool or abrasive powders, as damage to the grid wires will result.
16. Clean the glass and surrounding area.