

2008 Ford Edge

Vehicle information

Vehicle type: Four-door crossover vehicle

NAGS® numbers*:
Windshield part number DW1653, solar; quarter glass DQ11146-47, green tint, solar, encapsulated, DQ11148-49,

privacy, solar, encapsulated; and back glass DB11154, green tint, solar, heated, locator pins, DB11155YPY, privacy, solar, heated, locator pins, DB11155YPN, privacy, solar, heated

Helpful tools or supplies: This vehicle has a large windshield and might require a two-person set or one-man setting tool.

*With permission from National Auto Glass Specifications. Call NAGS at 800/551-4012 or visit www.nags.com.



A. Windshield

Preparation

1. Always wear eye and hand protection when working with glass. Make sure you have the right glass and moldings and the urethane systems you are about to use are current. Windshield part number is DW1653.

2. Cover the front seats, floorboards, dash and steering wheel with a clean drop cloth or disposable plastic covers.

3. Drape a fender cover over the fender and tape up any vulnerable areas on the vehicle to protect against damage. Tape up the defroster vents to prevent debris from falling into the openings.

4. Remove the rearview mirror by removing the underside auto-dimming sensor and tapping the base of the mirror off the pad.

5. Remove the windshield-wiper nut covers.

6. Remove the windshield-wiper nuts using a 15-millimeter wrench or socket. Move the wiper arm in an up-and-down motion to break it loose from the post, or use a wiper puller.

Note: Wipers can sometimes be hard to remove. Use a wiper puller to avoid stressing the post.

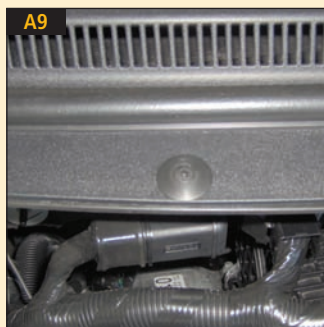
7. The top and side moldings are a rain channel-type with sharp 90-degree corners. Pull the molding free from the glass, or cut it off the glass edge. The new part will come with the molding attached.

8. To remove the two-piece cowl panel, first remove the two fascia retainers in each of the corners.

9. Remove the four faux Phillips-screw retainers from the leading edge of the panel using a pocket-slot screwdriver.

10. Remove the two 10-millimeter nuts from the center and one in each corner.

11. Using your fingers, release the underside retainers and slide the cowl panel from the lower glass edge. **Note:** Before beginning windshield removal, verify the new windshield is the



correct one and the urethanes and primers are current. Never use outdated products as this could jeopardize the structural integrity of the vehicle and the safety of its passengers.

Removal

12. Make sure cutting blades are sufficiently sharp.

13. Before cutting out the windshield, remove contaminants from the glass and pinchweld to prevent contact with the urethane.

14. Use the cutting tools of your choice to remove the glass from the adhesive bead. **Note:** When using any power tool, lubricate the cutting area with water. Spray the top, sides and bottom, then make your cuts. Caution: Be careful not to hit or cut the gravity stops; mark their location with a marking pencil or retention tape.

15. Take the windshield out of the opening using vacuum

cups. **Note:** Make sure the vacuum cups do not overlap a crack in the glass.

16. Lift the glass and place it on a windshield stand or suitable workstation.

Installation

17. After cutting the windshield out, remove contaminants such as dirt, moisture and debris from the pinchweld. Clean the dashboard.

18. Dry fit the new glass to the opening. Mark your glass using a grease pencil or molding-retention tape.

19. Place your vacuum cups on the windshield in the appropriate location.

20. Set the windshield onto the old urethane.

21. With the windshield resting in the opening, make sure it is in the right spot.

22. Adjust both sides to the correct setting, marking the passenger's side, then the driver's side. Lift the glass and place it on a windshield stand or suitable workstation.

23. Follow the urethane manufacturer's recommendations for installation.

24. Clean the inside of the windshield using a urethane manufacturer-recommended product. **Note:** Do not touch the bonding area of the windshield after cleaning, prepping or priming it.

25. Wear powder-free Nitrile gloves to keep off chemicals.

26. Apply the glass prep and primer, following the urethane manufacturer's recommendations.

27. Using the tool of your choice, remove the original urethane bead, leaving 1-2 millimeters of existing urethane on the pinchweld. **Note:** Make sure there are no contaminants and do not touch the pinchweld after you have prepped the area.

28. Apply the pinchweld primer only to the areas where needed, and follow the urethane manufacturer's recommendations. **Note:** Allow preps and primers to dry as recommended by the urethane manufacturer.

29. Apply a triangular bead of urethane to the same path as the freshly cut urethane on the pinchweld. Before cutting your V-notch, cut the tip off of your nozzle with a nozzle-cutter. With the cut nozzle, measure to the top of the roofline, and at $\frac{1}{8}$ -inch higher than the roofline, make a mark on the nozzle with a pen or marker. Notch the nozzle up to the marked line; this will give you the appropriate triangular bead.

30. Lift the windshield from the windshield stand or workstation using vacuum cups. Set the windshield on the urethane at the mark you made during dry fit. Lower the driver's side of the windshield onto the urethane and line it up with the dry-fit mark; it is now in place.

31. The windshield is now ready to be decked. Press firmly to ensure a good seal.

32. Before re-installing the parts, check for leaks. Use a leak detector to go over the perimeter of the windshield. If you find a leak, apply pressure to the spot to ensure the glass makes contact with the wet urethane.

33. Re-install the removed parts in reverse order.

34. Allow the urethane to cure according to the urethane manufacturer's recommended cure time before returning the vehicle to the customer. **Warning:** Disregarding the safe drive-away time the urethane manufacturer recommends could jeopardize the structural integrity of the vehicle and the safety of its passengers.

35. You have completed the removal and replacement of the windshield.



B. Quarter glass Removal

1. Make sure you have the right glass. Quarter glass part numbers are DQ11146-47 and DQ11148-49.

2. The quarter glass is uniquely encapsulated and will require an inside cutout if you want to salvage it.

3. Cut out the quarter glass using the tool of your choice.

Note: When using any power tool, lubricate the cutting area with water. Spray the top, sides and bottom; then make your cuts.

Installation

4. After cutting the quarter glass out, remove contaminants such as dirt, moisture and other debris from the pinchweld.

5. Dry fit the new glass to the opening. Mark your glass using a grease pencil or molding-retention tape.

6. Place your vacuum cups on the quarter glass in the appropriate location.

7. Lift the quarter glass from the workstation using vacuum cups.

8. With the quarter glass resting in the opening, make sure it is in the right spot.

9. Adjust both sides to the correct setting and make your mark. Lift the glass and place it on a windshield stand or suitable workstation.

10. Follow the urethane manufacturer's recommendations for installation. Verify the urethanes and primers are current.

11. Clean the inside of the quarter glass using a urethane manufacturer-recommended product. **Note:** Do not touch the bonding area of the quarter glass after cleaning, prepping or priming it.

12. Wear powder-free Nitrile gloves to keep off chemicals.

13. Apply the glass prep and primer, following the urethane manufacturer's recommendations.

14. Using a pinchweld scraper, remove as much of the original urethane as the urethane manufacturer recommends. **Note:** Before removing the old urethane, make sure there are no contaminants and do not touch the pinchweld after you have prepped the area.

15. Apply the pinchweld primer only to the areas where needed, and follow the urethane manufacturer's recommendations. **Note:** Allow preps and primers to dry as recommended by the urethane manufacturer.

16. Apply a triangular bead of urethane to the same path as the freshly cut urethane on the pinchweld. Before cutting your V-notch, cut the tip off of your nozzle with a nozzle-cutter. With the cut nozzle, measure to the top of the roofline, and at $\frac{1}{16}$ -inch higher than the roof- and bodyline, make a mark on the nozzle with a pen or marker. Notch the nozzle up to the marked line; this will give you the appropriate triangular bead.

17. Place your vacuum cups on the quarter glass in the appropriate location.

18. Lift the quarter glass from the windshield stand or workstation using your vacuum cups.

19. Set the quarter glass in the opening.

20. The quarter glass is now ready to be decked. Press firmly to ensure a good seal.

21. Before re-installing the parts, check for leaks. Use a leak detector to go over the perimeter of the quarter glass. If you find a leak, apply pressure to the spot to ensure the glass makes contact with the wet urethane.

22. Re-install the removed parts in reverse order.

23. Allow the urethane to cure according to the urethane manufacturer's recommended cure time before returning the vehicle to the customer.

24. You have completed the removal and replacement of the quarter glass.



C. Back glass Removal

1. Make sure you have the right glass. Back glass part numbers are DB11154, DB11155YPY and DB11155 YPN.

2. Lift the wiper cap and remove the 12-millimeter bolt from the wiper post. **Note:** These bolts are thread-locked and might have corrosion.

3. Lift the hatch and remove the top and side interior garnish molding.

4. Disconnect the defroster leads and tape back to facilitate glass removal.

5. Remove the two center grommets from the top of the inverted door.

6. Remove the four 10-millimeter nuts holding the spoiler in place.

7. Remove the spoiler and put it in a safe place.

8. The glass is exposed on all sides, so cutout should be relatively easy. However, if it has hangers, you might have to cut through them. The resulting pressure could break the glass.

9. Cut out the glass using the tool of your choice. **Note:** When using a power tool, lubricate the cutting area with water. Spray the top, sides and bottom; then make your cuts.

Installation

10. After cutting the back glass out, remove contaminants such as dirt, moisture and other debris from the pinchweld.

11. Dry fit the new glass to the opening. Mark your glass using a grease pencil or molding-retention tape.

12. Place your vacuum cups on the back glass in the appropriate location.

13. Set the back glass onto the old urethane.

14. With the back glass resting in the opening, make sure it is in the right spot.

15. Adjust both sides to the correct setting, marking the passenger's side, then the driver's side. Lift the glass and place it on a windshield stand or suitable workstation.

16. Follow the urethane manufacturer's recommendations for installation. Verify the urethanes and primers are current.

17. Clean the inside of the back glass using a urethane manufacturer-recommended product. **Note:** Do not touch the bonding area of the back glass after cleaning, prepping or priming it.

18. Wear powder-free Nitrile gloves to keep off chemicals.

19. Apply the glass prep and primer, following the urethane manufacturer's recommendations.

20. Using a pinchweld scraper, remove as much of the original urethane as the urethane manufacturer recommends. **Note:** Before removing the old urethane, make sure there are no contaminants and do not touch the pinchweld after you have prepped the area.

21. Apply the pinchweld primer only to the areas where needed, and follow the urethane manufacturer's recommendations. **Note:** Allow preps and primers to dry as recommended by the urethane manufacturer.

22. Apply a triangular bead of urethane to the same path as the freshly cut urethane on the pinchweld. Before cutting your V-notch, cut the tip off of your nozzle with a nozzle-cutter. With the cut nozzle, measure to the top of the roofline, and at $\frac{1}{16}$ -inch higher than the roof- and bodyline, make a mark on the nozzle with a pen or marker. Notch the nozzle up to the marked line; this will give you the appropriate triangular bead.

23. Place your vacuum cups on the back glass in the appropriate location.

24. Lift the back glass from the windshield stand or workstation using your vacuum cups.

25. Set the back glass in the opening.

26. The back glass is now ready to be decked. Press firmly to ensure a good seal.

27. Before re-installing the parts, check for leaks. Use a leak detector to go over the perimeter of the back glass. If you find a leak, apply pressure to the spot to ensure the glass makes contact with the wet urethane.

28. Re-install the removed parts in reverse order.

29. Check the operation of the back glass defroster.

30. Allow the urethane to cure according to the urethane manufacturer's recommended cure time before returning the vehicle to the customer.

31. You have completed the removal and replacement of the back glass. **AG**