

MAZDA MX-5 GLASS WINDOW HOOD INSTALLATION

The glass window hood installs to all the same fixing points as an ordinary clear plastic window hood. There is just one minor alteration to make to the frame once the old hood has been removed. Please review the hood fitting instructions that apply to normal plastic window hoods for removal and re-fitting and take note of the alterations mentioned below when fitting a glass window hood.

After removing your old hood it is necessary to add two straps to each side of the rear frame bows as shown in the attached photographs. (Picture 1). These straps are necessary to allow correct folding of a glass window hood.

Please Note: The straps are not needed for the MK2 car. They are only fitted to frames on MK1 cars.

The short strap is located between bows 2 & 3 (3rd bow is rear most) and secured using 2 pop rivets and washers at each end. Location holes will have to be drilled into the frame bows using a 1/8th drill bit. Position of the straps on the frame bow is indicated in the photographs, i.e.; 70mm from the end of the longitudinal slot that retained the flap of material on the old hood. (Picture 2). Note how the strap passes over the top of the frame bows and wraps under. You are therefore drilling holes in the rear face of the 2nd frame bow thus ensuring that the rivets are out of sight when inside the car.

Before riveting the short strap to the rear bow you should position the rear bow to be 130mm gap from the 2nd bow. (Picture 3). Use duck tape or similar to hold the bows in position before proceeding to locate the end of the short strap to the rear most 3rd bow. Note how it again passes over the frame bow and back under. 1st rivet position is 70mm from end of frame slot. (Picture 4). This time drill your rivet holes in the front facing side of the frame bow as seen in the attached pictures .

The long strap is riveted to the rear frame bow 70mm out from the short strap. (Picture 5). Note the strap is riveted to the rear face of the frame bow and passes under-forward and back over the top of the frame bow. The other end of this strap has an eyelet. This end is located later during the hood fitting. It fastens behind the rear retaining bar that bolts to the rear bulkhead. It locates on the 3rd bolt from the door, i.e. the one at the end of the smaller retaining bar where it meets the larger central retaining bar. (Picture 6).

Once you have installed the frame straps proceed to re-fit the hood to the frame in accordance with the standard hood fitting instruction however please note that the glass window hood only attaches on the 1st (front) frame bow slot. There are no flaps to attach it on the 2nd or 3rd bow. Also connect the long strap behind the rear retaining bar as mentioned above.

Heated Rear Window Connection.

Be aware that there is a fire risk with all electrical installations. We take no responsibility for the correct wiring or operation of the rear window heater. Professional installation is advised.

The heater element has original MX-5 connections for plugging into cars that already have the appropriate connections in the wiring loom. If you do not have these then we recommend you seek the services of a professional auto electrician who can install the original Mazda parts into your wiring loom.

Folding Instructions:

Important. Ensure that the rear parcel shelf is clear of any obstruction. There should be no roll bars or other accessories that would interfere with the glass window when folding the hood back. Never fold with the hood with the rear window heater on. Also ensure there is no possibility of operating the window heater while the hood is folded down. Such actions can create a fire risk if the element is left on when folded.

Correct Procedure For Folding Hood Back.

The Glass Rear Window hood is designed for easy up and down operation however it is important to follow this simple procedure.

- 1) Release windscreen clamps.
- 2) As the frame begins to fold reach back and pull the rear most frame bow all the way forward to meet the 2nd frame bow. The aim is to keep the rear bar close to the 2nd bow as the frame folds back. This action allows the glass panel to clear the frame bow and lie flat on the rear shelf as the frame folds. This is a little easier when standing outside the car and reaching in. It also becomes easy with a little practice, especially as the hood tension eases with time.

When putting the roof back up the new frame straps that you installed will position the frame bows correctly.



Picture 1. The frame straps are riveted to the 2nd and 3rd (rear) frame bows.



Picture 2. The straps are positioned 70mm from the frame slots.



Picture 3. Check straps provide a gap of 130mm between the 2nd and 3rd (rear) frame bows.



Picture 4. Short strap wraps over top of frame bow and back under. Rivet as shown 70mm from frame slot.



Picture 5. Long strap is riveted to rear frame bow as shown 70mm from short strap location.



Picture 6. Long strap locates behind rear retaining bar during installation of the hood to the car.