



Here are some instructions of how to install in to a Stern 2000's series Pinball Mirror Blades

Note: There will be slight variations from person to person, but please feel free to share any tips / tricks.

Stern DMD games

1. Remove the glass
2. Lift the playfield so the brackets rest at the lockdown bar location
3. Check the playfield for any parts which may scratch the mirror blades
4. Do a test fit - so slide the correct blade into each side to test fit / clearance and then remove
5. Tilt the playfield into the vertical position against the back box so you can get the maximum access for mounting
6. Install 2 to 3 pieces of ultra thin and high strength double sided tape each about 3cm long strategically placed along the top edge to hold the blade to the cabinet wall - but do not remove the layer that will stick the blade against the cabinet.

Double sided tape method

7. Install 3 pieces of tape along the bottom edge
8. Do a test alignment - mainly watch the top edge is lined up with the timber edge just under the glass rubber channel but make sure it sits 0.5 - 1 mm under so the glass can not dig into the blade.
9. Remove the double side tape backing and firmly press blades into position.
10. Do a test lowering of the play field to check for catches - if it does catch do not force it - return to the vertical position and check what caused the snag. In addition if anything catches it will most probably be the playfield coming up against the bottom blade edge due to the angle of the playfield going through it's movements in the machine to standing vertical.
11. Remove the protective film.
12. Optional - Place adhesive felt to the edge of the play field from the front to as far as visible while the play field is in the vertical position but be aware this will add extra width and could cause a problem with fitting and can spread adhesive if it starts to move.
13. Carefully lower the playfield and reassemble the glass and lockdown bar.
14. Now you are ready to enjoy.

3 x Small Screw method

7. Select the correct countersunk small headed screw that is no longer than 1/2 the thickness of the cabinet
8. Do a test alignment - mainly watch the top edge is lined up with the timber edge just under the glass rubber channel but make sure it sits 0.5 - 1 mm under so the glass can not dig into the blade.
9. Remove the double side tape backing along the top edge and firmly press the blades into position.
14. While the playfield is up install the 3 screws along the bottom edge and screw in carefully and ensure that the screw sits fairly flush - due to blade thickness you will never get a screw head flush.
10. Do a test lowering of the playfield to check for catches - if it does catch do not force it so return to the vertical position and check what caused the snag. In addition if anything catches it will be the play field on the very back screw or bottom blade edge due to the angle of the playfield going through it's movements of in the machine to standing vertical.
11. Remove the protective film.
12. Optional - Place adhesive felt to the edge of the play field from the front to as far as visible while the play field is in the vertical position.
13. Carefully lower the play field and reassemble the glass and lockdown bar.
14. Now you are ready to enjoy.

3 x Thumb Tack method

Follow the exact steps of the small screw method but use flat headed thumb tacks instead of the screws. This method causes less damage to the cabinet and less likely to catch on anything as long as you use the correct thumb tacks / drawing pins.

Perform the same steps for the both sides for the option that you have chosen

The below note should not matter for Stern blades but it is recommended that no power is reaching the hinge brackets just for general safety.

Important Safety Awareness Note for the Bally / Williams machines based on a few reports on Pinside of grounding issues which has been reported to come via the backbox hinge bolts via the brackets that hold the backbox to the hinge plates. I am not a electrician but I recommend that when blades are fitted to ensure there is no current reaching the hinge brackets from within the backbox to the hinge bracket bolts which will then effectively transfer to the blades becoming a large safety risk.