

VH – IZY's Trailer Instructions



IZY Trailer Instructions

Note:

- A minimum of three people are required to de-rig and secure the glider in the trailer
- LH trolleys and fittings are painted **RED** and RH ones are **GREEN**, they are not interchangeable.
- All trolleys except the fuselage trolley have wing nuts/safety clips securing the glider when loaded in the trailer. Do not loose any of the wing nuts or safety clips. For emergencies there are spare wing nuts in the tin on the tool board.
- For retrieves at night leave the car parking lights on this will turn on the trailer interior lights, one light is inside and above the front door and the other is just inside the rear door.

Position the Trailer

1. Park car and trailer; pick level ground if possible; otherwise point the car directly uphill.
2. Chock the trailer wheels & **disconnect the trailer from the car**. There is no need to disconnect the chains or the electrical lead.
3. If it is after dark leave the parking lights on to power the trailer internal lights.
4. Wind up the jockey wheel to tilt the trailer.
5. Unlock and lower the tail stand, relock in the most appropriate hole.



6. Open the tailgate.
7. Unlock and remove the Tailplane support frame, hang on the outside of the trailer.



8. Remove the collapsible wing stand from its stowed position in the front of the trailer. Access is via the front door. It will be used on the RH wing so position it at the back of the trailer on the RH side.



9. Unfasten and remove wing root trolleys, fuselage trolley and wing tip supports. Do not loose the wing nuts; put them in a safe place; in your pocket is better than on the trailer or the ground.



10. Position fuselage trolley on the tail gate against the stops and flip over the blue chocks. (They stop the trolley sliding forward as you push the glider into position).



Position the Glider

11. Push the glider up and into the trolley making sure that it is lined up on the centre line of the trailer and the wings are level; push the glider into the trolley until the rear edge of the trolley is approximately 25mm forward of the undercarriage doors.
12. Keep the wings level by inserting and adjusting the wing stand under the right wing.
13. Remove the wing and tail plane tape
14. Remove the tailplane and stow in the Tailplane Support Stand hanging outside the trailer. Stow the tailplane pin in the cockpit (in a piece of rag)
15. Remove the TE probe and stow in the cockpit.
16. Locate the tailboom lifting strap and handle (stored in the rear of the trailer).
17. Remove the canopy and stow well out of the way (next to the trailer)
18. Lift the tailboom **just far enough** to retract the main wheel. Lower the boom and restow the lifting strap.
19. Position the wing root trolleys on the ground next to the tailgate.
20. Remove the wing tips and stow in the cockpit
21. Fit the wing tip supports to the wing, just inboard of the tips, the final position will be adjusted in situ. (Red support goes on the LH wing, green on the RH wing)



22. Fit aileron chocks (from tool board)
23. Disconnect the aileron controls
24. With one person holding the RH wing tip to prevent it moving out first, unlock and remove the main wing pin. Stow the Wing pin with the tailplane pin in the cockpit
25. With the second person holding the LH wing tip and using the tool from the tool board push out the LH wing far enough to pick up the wing spar.
26. Remove the LH wing and place it on the wing root trolley, tighten the clamp but do not over do it.



27. Roll the wing into the trailer making sure that the wing rolls straight, push it all the way home and fit the retaining wing nut.
28. Position the Wing Tip Support to line up with the retaining bracket on the side of the trailer; lock in place and tighten all of the wing nuts.
29. Repeat steps 26 to 28 for the RH wing.
30. Remove the battery, maintenance release, data logger and any personal equipment
31. Refit the canopy
32. Thread the fuselage trolley restraining rope through the spar cut out in the fuselage, attach and tighten to the fuselage trolley.
33. Flip over the blue chocks on the fuselage trolley and roll the fuselage into the trailer, the tail boom will need to be lifted until the tail wheel is on the tail gate. When fully home the tail wheel will drop into the fixed chocks.
34. Secure the tailboom with the boom saddle and turnbuckles; it needs to be tight **BUT DO NOT CRUSH THE BOOM.**



35. Pick up the tailplane frame and stow in the roller tracks, ensure that the safety pin is engaged.
36. Secure the elevator pushrod with a piece of rag (anti-rattle)
37. Wind the trailer back level (a helper standing on the tailgate will help to control the load on the jockey wheel)
38. Ensure that the trailer coupling locks in place on the tow ball.
39. **IMPORTANT.** Retract and lock up the tail stand.
40. Close and lock the tailgate. Ensure that the large piece of foam is positioned between the door and the trailing edge of the rudder. (As a rudder chock)
41. Stow the wing stand (inside trailer front door)
42. Remove and stow the wheel chocks
43. Check that all latches are locked, tools are returned to the tool board, doors are closed and that there is nothing left behind in the paddock
44. Shout your crew dinner and drinks at the closest pub.

