

VH – IKR's & IKQ's Trailer Instructions

(Closed Trailer)



IKR & IKQ 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 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. Leave the trailer connected to the car.
3. If it is after dark leave the parking lights on to power the trailer internal lights.
4. Unlock and lower the tail stand, relock in the most appropriate hole.



5. Open the tailgate.
6. Unfold the fuselage trolley ramp



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 ramp against the stops.

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. If not already done remove all of the wing & tailplane tape
14. Remove the tailplane and stow in the Tailplane Support Stand hanging outside the trailer.
15. Remove the TE probe and stow in the cockpit.
16. Locate and remove the Tailboom Support Frame (stored in the rear of the trailer).
17. Remove the canopy and stow well out of the way (next to the trailer)
18. Fit the Tail Boom Support frame.



19. Lift the tailboom **just far enough** to retract the main wheel. Lower the boom.
20. Position the wing root trolleys on the ground next to the tail ramp.
21. Fit aileron chocks (from tool board)
22. Disconnect the aileron and dive brake couplings.
23. With one person holding the RH wing tip, with the second person holding the LH wing tip unlock and remove the LH wing far enough to pick up the wing spar.
24. Remove the LH wing and place it on the wing root trolley, tighten the clamp but do not over do it.
25. 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.
26. Position the Wing Tip Support to line up with the retaining bracket on the side of the trailer; lock in place and tighten the wing nuts.



27. Repeat steps 23 to 26 for the RH wing.
28. Remove the battery, maintenance release, data logger and any personal equipment
29. Refit the canopy
30. Thread the fuselage trolley restraining rope through the spar cut out in the fuselage, attach and tighten to the fuselage trolley.
31. Roll the fuselage into the trailer, the tail boom will need to be lifted until the tail is in the trailer. When fully home the tail support frame will lock in place.
32. Pick up the tailplane frame and stow in the trailer track, ensure that the safety pin is engaged.



33. Secure the elevator pushrod with a piece of rag (anti-rattle)
34. **IMPORTANT.** Retract and lock up the tail stand.
35. Ensure that a large piece of foam is folded over the fin as protection against damage
36. Ensure that the second piece of foam is positioned between the folding ramp and the trailing edge of the rudder. (As a rudder chock)
37. Fold up the ramp and close and lock the tailgate
38. Stow the wing stand (inside trailer front door)
39. 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
40. Shout your crew dinner and drinks at the closest pub.



Instruction Book



Jack



Wheel Brace