
TRANSPORTING THE CABIN

20FT & 24FT UNITS



3B

3B.I PREPARING THE UNIT FOR TOWING - 20FT & 24FT UNITS

IMPORTANT

Before towing, the following steps must be followed:

- All loose items must be stowed prior to towing.
- 20ft and 24ft units are designed to be safe to tow with a full fresh water tank.
- Lock all doors, windows and close and lock the security shutters.
- The E-STOP must be pressed in the OFF position to make sure the external PIR-sensor lights do not activate while on the road causing a hazard.
- Toilet waste tanks must be emptied before towing.
- Empty Waste tank and Drinking Water tank in the Canteen.
- Ensure all umbilical connections are safely disconnected.
- The GVW of the towing vehicle must be no more than 18,000 kg.

CAUTION: The welfare unit is not designed as a payload trailer. Any additional items or material carried in the trailer may exceed its maximum mass. It is the driver's responsibility to ensure this is not the case.



1. Before towing, the waste tank must be emptied by a professional company. The cap is found in the toilet floor.



2. To prepare for towing, first unlock the anti-vandal cover using the key [1]. Remove the key and close the lock seal to prevent water or dirt entry while towing.



3. Raise the anti-vandal flap into the open position then engage the anti-loose fastener and the safety pin to ensure the cover stays in the towing position when on the road.



4. Raise the parking brake lever to engage the brake.



5. Locate the E-STOP button in the exterior wall of the bench near door. Make sure it is pulled out so the cabin electrics will work.



6. To activate hydraulic ram system, press and hold silver button for 2 seconds. The rams are now operational for 5 mins. NOTE: While rams operate, no other electrics will function.



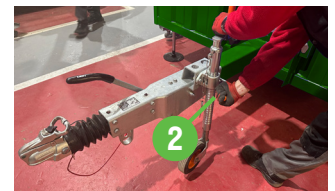
7. Remove the remote control from its storage position inside the cabin and connect the remote control's 7 pin plug to the correct socket on the front of the unit.



8. Depending on when your cabin was built, you may have one of three types of remote control. On all types, press the button furthest from the remote wire to lower the ram cylinders and raise the cabin.



9. Keep pressing until the cabin is fully raised and the wheels are clear of the ground.



10. Unscrew jockey wheel retainer [2] and drop jockey wheel to a few centimetres above the ground. When wheel is almost touching the floor, fully tighten jockey wheel retainer.



11. Find axle rods on side of the cabin near wheel arch. Slide spring bolt [3] sideways into open position, then push in handle [4] to engage axle locking mechanism. Next release spring bolt making sure it covers washer to stop axle rod from coming out. Repeat for both bolts.



12. Press button closest to the pendant wire to retract rams and lower the unit onto the road wheels and jockey wheel. Make sure rams are fully retracted.



13. Always unplug the remote control unit after use and stow it safely inside the cabin. Then press E-STOP to isolate electrics and prevent exterior lights coming on during transport.



14. Insert the numberplate of the towing vehicle into the numberplate holder clip.

 **You are now ready to couple your unit to the towing vehicle.**

CAUTION

The remote control pendant for the hydraulic rams must ALWAYS be disconnected from the socket when not being used.

CAUTION

Before towing, the E-Stop must be pressed in the OFF position to completely isolate all electrics and make sure the external PIR-sensor lights do not activate while on the road causing a hazard to other drivers.

3B.2A ATTACHING UNIT TO TOWING VEHICLE - BALL HITCH



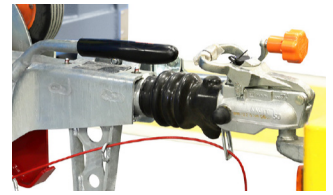
1. To attach your cabin to a towing vehicle it should be in a raised position with wheels on the floor and rams raised. With the unit positioned on level ground apply the parking brake by raising the lever.



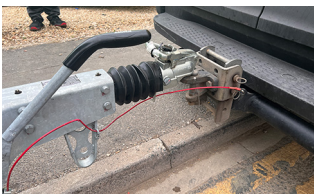
2. Turn the jockey wheel operating handle anti-clockwise to raise the coupling head higher than the towing vehicle's tow ball. Then manoeuvre the towing vehicle so the ball is beneath the ball coupler.



3. Raise and hold the coupling head handle in the up position, and then turn the jockey wheel clockwise to lower the coupling onto the tow ball.



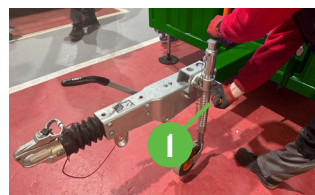
4. When almost fully lowered let go of the coupling head handle and allow it to snap closed over the tow ball. Check that the coupling head is fully engaged on the tow ball.



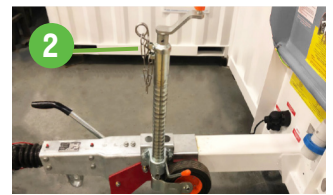
5. Attach the breakaway cable to the tow hitch of the towing vehicle and ensure it is safe and operational.




6. Connect the lighting cable plug to the socket of the towing vehicle and ensure all lights are functioning correctly.



7. Unscrew jockey wheel retainer [1] and raise jockey wheel off the ground as close to the tow bar as possible. When wheel is fully raised, tighten jockey wheel retainer so the wheel is secure.



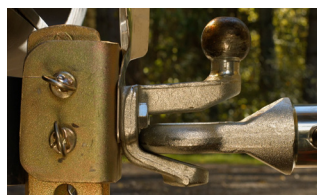
8. Secure the jockey wheel with the attached safety clip [2], then lower the parking brake to release the trailer wheels before towing.

 **Your unit is now attached and ready to be towed.**

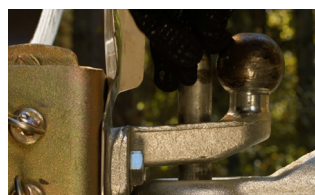
3B.2B ATTACHING UNIT TO TOWING VEHICLE - PIN & EYE



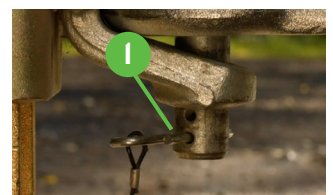
1. To attach your cabin to a towing vehicle it should be in a raised position with wheels on the floor and rams raised. With the unit positioned on level ground apply the parking brake by raising the lever.



2. Turn the orange jockey wheel handle to adjust the eye to the right height then manoeuvre the towing vehicle so the eye is aligned with the pin holes on the vehicle tow bar.



3. Insert coupling pin.



4. Secure with the safety clip [1].



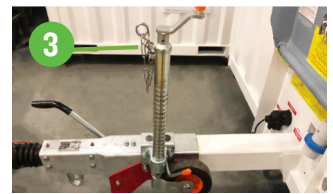
5. Attach the breakaway cable to the tow hitch of the towing vehicle and ensure it is safe and operational.




6. Connect the lighting cable plug to the socket of the towing vehicle and ensure all lights are functioning correctly.



7. Unscrew jockey wheel retainer [2] and raise jockey wheel off the ground as close to the tow bar as possible. When wheel is fully raised, tighten jockey wheel retainer so the wheel is secure.



8. Secure the jockey wheel with the attached safety clip [3], then lower the parking brake to release the trailer wheels before towing.

 **Your unit is now attached and ready to be towed.**

3B.3A UNCOUPLING THE UNIT - BALL HITCH



1. Make sure your cabin is situated on firm level ground able to support the weight of the unit. Inspect the ground underneath the unit and check there are no items which may damage the underside of the unit.



2. To uncouple the unit from the towing vehicle, first apply the parking brake.



3. Unscrew jockey wheel retainer [1] and drop jockey wheel to the ground. When wheel is touching floor, fully tighten jockey wheel retainer.



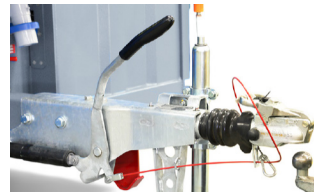
4. Disconnect the lighting cable plug from the socket on the towing vehicle.



5. Detach the breakaway cable from the tow hitch of the towing vehicle.




6. Lift the handle behind the tow hitch to release the ball hitch from the towing ball. At the same time turn the jockey wheel handle anti-clockwise to lower the jockey wheel and raise the tow bar.



7. Keep turning until the hitch is raised above the ball and the towing vehicle can be removed easily.



8. Unscrew jockey wheel retainer [2] and raise wheel off ground as close to tow bar as possible. When wheel is fully raised, tighten jockey wheel retainer so the wheel is secure. Secure with attached safety clip.

 **Your unit is now detached from the towing vehicle and ready to use.**

3B.3B UNCOUPLING THE UNIT - PIN & EYE



1. Make sure your cabin is situated on firm level ground able to support the weight of the unit. Inspect the ground underneath the unit and check there are no items which may damage the underside of the unit.



2. To uncouple the unit from the towing vehicle, first apply the parking brake.



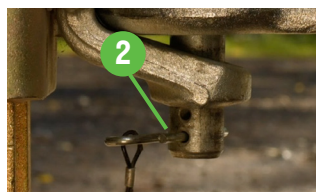
3. Unscrew jockey wheel retainer [1] and drop jockey wheel to the ground. When wheel is touching floor, fully tighten jockey wheel retainer.



4. Disconnect the lighting cable plug from the socket on the towing vehicle.



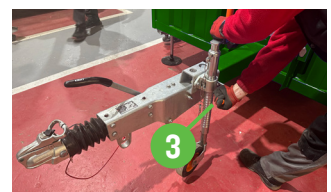
5. Detach the breakaway cable from the tow hitch of the towing vehicle.




6. Remove the safety clip [2].



7. Remove coupling pin.



8. Unscrew jockey wheel retainer [3] and raise wheel off ground as close to tow bar as possible. When wheel is fully raised, tighten jockey wheel retainer so the wheel is secure. Secure with attached safety clip.

 **Your unit is now detached from the towing vehicle and ready to use.**

3B.4 DEPLOYING THE UNIT

MAXIMISE SOLAR GAIN ON SITE

To ensure the optimum performance of this GenFree cabin, it is vital that the unit is parked with its tow hitch pointing south in an open exposed area with as little shade as possible on the roof or side solar panels. Be aware that in winter months of low light, the side panels generate most electricity. Avoid areas under trees, tunnels or close to tall buildings.



1. Make sure your cabin is situated on firm level ground able to support the weight of the unit. Inspect the ground underneath the unit and check there are no items which may damage the underside of the unit.



2. Uncouple your vehicle from the towing vehicle as described in manual section 3.3 making sure the cabin parking brake is on. Move the towing vehicle away and park at a safe distance.



3. Locate the E-STOP button in the exterior wall of the bench near door. Make sure it is pulled out so the cabin electrics will work.



4. To activate hydraulic ram system, press and hold silver button for 2 seconds. The rams are now operational for 5 mins. NOTE: While rams operate, no other electrics will function.



5. Remove the remote control from its storage position inside the cabin and connect the remote control's 7 pin plug to the correct socket on the front of the unit.



6. Press the button furthest from the remote wire to lower the ram cylinders and raise the cabin.



7. Keep pressing until the cabin is fully raised and the wheels are clear of the ground.



8. Find axle rods on side of the cabin near wheel arch. Slide spring bolt sideways into open position, then pull handle out to release axle locking mechanism so the wheels can retract when cabin is lowered. Release spring bolts. Repeat for both bolts.




9. Ensure there are no obstructions beneath the unit, then press the button closest to the wire on the remote control until the rams have fully retracted and the unit is sitting securely on the ground.




10. Release the unit's parking brake by lowering the lever. Always unplug the remote control unit after use and stow it safely in the cabin.




11. If the cabin is going to be used, you should leave the E-STOP ON. If cabin is being stored and not used, then press E-STOP in to isolate all electrics.

 You are now ready to lower your anti-vandal cover.

 **CAUTION**

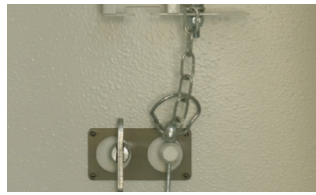
During use, the unit **MUST** be uncoupled from the towing vehicle.

 **CAUTION**

The remote control pendant for the hydraulic rams must **ALWAYS** be disconnected from the socket when not being used.

3B.5 ANTI-VANDAL COVER - FLAP

Your welfare unit is protected from theft by an anti-vandal cover with an anti-prise bear-claw lock. Here we show you how to lower your anti-vandal cover into deployed position. To raise it into towing position, just reverse the procedure.



1. Release the anti-loose fastener and safety pin that are holding the flap in position.



2. Gently lower the anti-vandal cover so it covers the electrics.



3. Once in position, lock the cover. Remove the keys and close the lock seal to protect against dirt or damage.

3B.6 USING THE LOW LEVEL LIFTING EYES

! IMPORTANT

Before transporting, the following steps must be followed:

- All loose items must be stowed prior to transporting.
- The unit is designed to be safe to transport with a full fresh water tank.
- The Hibernation Switch must be in the OFF position to completely isolate all electrics and make sure the external PIR-sensor lights do not activate while on the road causing a hazard.
- Toilet waste tanks must be emptied before transport.
- Empty Waste tank and Drinking Water tank in the Canteen.
- Lock all doors, windows and close and lock the security shutters.
- Ensure all umbilical connections are safely disconnected.

CAUTION: The welfare unit is not designed as a payload trailer. Any additional items or material carried in the trailer may exceed its maximum mass. It is the driver's responsibility to ensure this is not the case.

As well as being towed, your mobile welfare unit can also be lifted with a crane and moved around site or lifted onto a lorry for transport. To facilitate this, the unit is equipped with lifting eye holes.

The eye holes are set at a low level which means avoidance of Health & Safety "Working at Height" issues associated with attaching cables to roof-mounted eyes.

Our removable eye system means security is improved as the eyes are not fixed to the units reducing the risk of theft by crane.

Due to the protective solar panel skirts along the top rail of the cabin, it is essential to always use spreader bars when lifting Deep Green GenFree cabins using straps or chains so the skirts are not damaged during the lifting process.

To avoid damage to the roof mounted solar panels and protective skirts, the cabin must always be secured to the transport lorry using the low level lifting points rather than lashing over the top.



1. First remove the plugging bolt from the eye hole.



2. Then screw in the lifting eye, ensuring there is a face to face contact between the side of the cabin and the face of the lifting eye.



3. Do this for all four lifting eyes. You are now ready to attach lifting straps or chains.



4. When lifting a Deep Green or GenFree cabin using straps or chains, spreader bars must always be used to avoid damage to solar panel skirt.



5. When lifting is finished please, remove the eyes, replace the plugs and store the lifting eyes in the unit.

! CAUTION

When lifting a cabin, use **ONLY** the proprietary lifting eyes supplied from Boss Cabins. One eye must be used on each corner of the unit to promote a level lift. To ensure safe lifting, the eyes must be fitted correctly.

! CAUTION

To avoid damage, **ALWAYS** use spreader bars when lifting Deep Green GenFree cabins with a crane.

! CAUTION

NEVER secure a Deep Green or GenFree cabin to the lorry using lashing straps over the top of the cabin or you will damage the solar panels and skirt.