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## Vance Manufacturing Hydraulic & Manual Kick-Up Trailer Instructions

This inclusive manual will explain how to safely, and effectively trailer your boat with your new hydraulic or manual kick-up plate. For your safety, we do not install a locking pin on your unit because if you forget to remove the locking pin the unit would not work in operation as intended causing severe injury or death to the operator as well as damage to your engine and/or property. A locking pin is not necessary to trailer your boat or reverse applications for the kick-up plates. This inclusive manual will show you step by step what you need to know to effectively trailer your kick-up plate. If your engine does not have hydraulic tilt/trim please refer to Instruction number 7 in this guide.

1. Your engine is up, you're out of the water and getting ready to hit the road.



2. Install your engine saver bracket so that the engine is resting on the engine saver bracket. This part is required for safe trailering operation, we do sell engine savers separately on [www.vancemfg.com](http://www.vancemfg.com), contact us if you are not sure what length engine saver bracket you need.

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3. If you have hydraulic tilt and trim on your engine, press down on your engine hydraulic tilt and trim until your kick-up unit chains are stiff and do not have any slack in the chains. If your kick-up unit does not extend far enough, extend your engine saver bracket further. If your engine saver is extended as far as the unit is designed, and your chains are still not stiff, refer to Instruction number 7. in this guide for safe trailer and storage operation.



4. The chains are fully extended and the engine does not move up or down. Also, lock your engine steering mechanism if your unit is a tiller handle engine. This will prevent your engine from moving side to side possibly damaging your engine saver.



5. Stiff Chains, they are not sagging or loose. They should be tight and not move. Do not attempt to test chains with your extremities in the event your engine saver fails this could cause severe injury or death.



6. Ensure your engine saver is not impacting your kick-up plate operation on the bottom of your unit.

7. If your engine does not have hydraulic tilt or trim or you do not have an engine saver, you can use a heavy duty ratchet and ratchet strap (sold separately) and secure the engine with the ratchet strap so that it does not move freely or by force. Place the strap on the outside of the engine and tighten the strap by putting the end hooks on the boat eye bolts. Before trailer, be sure engine is secure. If you do not have eye bolts, please contact Vance Manufacturing.

**Always follow all warning stickers, caution stickers and the instructions listed for the operation of your unit.** Do not trailer if your have any slack in your chains, when you hit a bump your unit may rise up and down causing damage to your boat, engine, kick-up plate, engine saver, or other parts and accessories you may have installed. Vance Manufacturing can not be held liable for any damage incurred while your boat is being trailered or in storage from misoperation. Please consult Vance Manufacturing for any questions or details before you trailer your boat.

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