

Dinghy Towing Checklist

ATTACHING THE TOWING BAR	
Put RV in Park and set parking brake; turn engine OFF.	Parking brake must be set to hold combined vehicles once car is attached and car brakes are released.
Insert 4" drop receiver connector into receiver hitch on RV. Pin or lock to RV, as desired.	Pin for temporary use; lock for towing.
Insert towing bar into receiver connector on RV. Pin or lock towing bar to receiver connector, as desired.	Pin for temporary use; lock for towing.
Retract towing bar arms fully until they soft-lock into place.	NOTE: The soft-lock condition is released simply by pulling the arms out.
Pull car behind RV, fairly close to towing bars. Turn steering to straight ahead. Turn car OFF and set parking brake.	
Remove covers from tab slots and store them.	
Insert towing bar tabs into slots, turning until they lock into position (either position at 180 degree opposites is OK).	
Attach both towing bar arms to tabs on car, with arrows pointing up.	
Pin or lock towing bar arms to tabs as needed.	Use pins for temporary connection; use locks for towing.
Attach both safety cables from car to RV, criss-crossing them underneath the towing bar.	
Verify safety cables are not hitting ground or towing bar arm release levers (on top side).	NOTE: If necessary to avoid cables hitting the ground, wrap around towing bar arms but avoid contacting the rubber boot or release levers.
ELECTRICAL CONNECTION	
Attach blue coiled electrical harness to RV and car, running it under tow bars and under safety cables.	
Turn on 12V battery power switch under car hood.	
Turn car mirrors inward so RV lights are visible from behind.	
Test lights, brakes, turn signals and 4-way flashers on RV and car.	
CAR SETUP	
	Do before brake system setup. Need to use brake pedal.
Check ATF fluid level under hood by engine.	Must be checked when engine is fully hot.
Verify parking brake is set.	

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	Start engine.	
	Depress brake pedal. Run transmission through all its positions.	
	Shift to drive (D) and hold for five seconds.	
	Shift to Neutral (N) . Let engine run for 3 minutes. Do not turn off engine until completing the next 5 steps. (In this final step, do not shift from R to N - only shift from D to N after going through all the transmission positions.) Note: It is OK to release the foot brake once transmission is in N due to the parking brake being set. During this 3 minutes, complete the next 5 steps:	Do not leave in N without brakes set unless car is attached to RV towing bar and parking brake is set. Be careful of potential rolling of car forward or backwards.
	1. Verify steering is set to straight forward.	
	2. Close all windows <i>(must be done before key turned to Accessory)</i> .	
	3. Turn headlight switch to "OFF" .	
	4. Turn off any electrical devices (such as radio, seat warmers, wipers), any devices in power sockets (other than brake system plug), and heat/AC.	There are two 12 V sockets, one under shift lever and one in center console compartment.
	5. Slowly release parking brake and verify no red brake light appears on dashboard.	This step relies on the RV parking brakes being set to hold the combined vehicles.
	Turn key to Accessory position (I), and leave key there. Leave transmission in Neutral (N).	
	Verify the steering wheel is not locked. (Steering wheel should still turn, but without power assist.)	NOTE: If towing >8 hours, car setup procedure must be repeated before continuing.
	BRAKING SYSTEM SETUP	
	Attach small pink curly breakaway switch lanyard from switch on car to RV at hitch, running it under the safety cables.	
	Verify that breakaway switch is fully inserted, after connecting the cable at both ends.	
	Move driver's seat all the way to the back.	
	Remove rubber floor pad if applicable so brake system will sit on the carpet pad or floor.	
	Place Patriot II brake system onto floor of the car.	
	Open brake pedal claw, attach claw to brake pedal and close the claw. Make sure your fingers are not inside the claw when it closes.	NOTE: If needed, claw can be locked open by turning knob 1/4 turn to the left. To unlock, turn knob 1/4 turn to the right.
	Move driver's seat up to touch the brake system but it should not be snug against it.	

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Check height of push pad against seat height and adjust if needed.	(Normally, push pad height will always be correct.)
Attach black breakaway switch wire (coiled and stowed in dashboard compartment to driver's left) to the Patriot II brake system.	
Verify car ignition is already set to ACC position and that engine is not running . <i>(If not, verify car setup steps were completed properly.)</i>	
Connect 12 V power line from brake system into 12 V power outlet in center console near shifting lever. <u>Check plug indicator light at times of insertion to confirm power (light dims after a moment).</u>	(Plug indicator lamp only remains on bright for a few moments. After that it is low.)
Press Power button on brake system and verify indicator lights above Power and Setup buttons are blinking.	
Press the Setup button. Verify actuator arm cycles against the brake pedal once and only once.	
Verify the power light illuminates green to verify proper setup. (Setup light will not be blinking.) If not, check remote unit for errors (see steps below).	
<i>(If unit fails to successfully setup twice in a row: (1) adjust push pads up or down for better contact with seat; (2) make sure back of brake unit is resting against seat, but that the seat does not put any pressure on the back of the unit; (3) ensure the brake claw is securely attached to the brake pedal. If unsuccessful, contact Blue Ox customer service - contact information below on checklist.)</i>	
Verify location of second car key and <u>manually</u> lock all doors.	
Mount brake system remote controller on RV dash within easy reach of the driver.	
Plug brake system remote controller into power in RV; if using switched outlet, turn key to ACC to turn on remote unit. (Once powered, controller goes on. There is no "ON" switch.)	
Check remote unit screen for proper setup and error messages.	
Check that screen shows BRK/AWAY READY to verify that breakaway switch has been properly installed.	
Using remote controller, test brake functioning with BRAKE button.	
PREPARING TO TOW	
Pull RV ahead until both arms of towing bar lock in position (release levers will pop up).	
If one side locks not the other, turn wheels of RV toward that side (or, if needed, turn wheels of car slightly toward the unlocked side) and pull RV forward again until it locks.	
Re-check all towing bar and electrical connections.	

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PARKING WITHOUT UNHITCHING	NOTE: For overnight or extended parking; not needed for short stops.
Put RV transmission in PARK , turn OFF RV engine and <u>set parking brake</u> .	
Remove power cord for braking system remote controller in RV from 12 V power socket.	
Turn OFF Patriot II brake system - BEFORE TURNING OFF KEY .	
Put car transmission in Park.	
Set car parking brake if needed.	
Turn car ignition to OFF and remove key.	
Turn OFF 12 V battery power switch under car hood.	
Lock all car doors.	
RESTARTING AFTER PARKING WITHOUT UNHITCHING	NOTE: Follow when "Parking Without Unhitching" sequence has been used.
Run through car set-up procedure (if necessary, move Patriot II brake system out of the way).	
Reinstall Patriot II brake system if moved.	
Run through braking system setup procedure .	NOTE: Any time the car is started, the braking system also needs to be reset.
Turn ON 12 V battery power switch under car hood.	
Check all towing bar connections.	
Check both safety cables.	
Check breakaway switch lanyard and that breakaway switch is fully inserted.	
Check electric wiring harness connections.	
Restart brake system remote controller in RV by plugging into 12 V power socket, check for BRK/AWAY READY indication and test BRAKE button function.	
Check lights, turn signals, 4-way flashers and brake lights on RV and car.	

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UNHITCHING	
Put RV in Park and set parking brake; turn engine OFF .	
Remove power cord for braking system remote controller in RV from 12 V power socket.	
Turn OFF Patriot II brake system - before turning off key .	
Put car in Park and set parking brake; turn key to OFF .	
Remove Patriot II claw from brake pedal.	
Move driver's seat back and remove Patriot II braking system. Replace rubber floor mat to the floor.	
Turn OFF 12 V battery power switch under car hood.	
Disconnect breakaway cable from RV and either hook to RV for temporary storage, or remove and store.	
Disconnect brake system power supply and stow on system body.	
Disconnect breakaway switch cord and stow in dash compartment.	
Disconnect both towing safety cables and store them.	
Disconnect electrical wiring harness and store it.	
Before disconnecting tow bar, verify car is in PARK and parking brake is set.	
Press down on the locking handle on each tow bar arm to release them. If necessary, tap handles with rubber mallet but do not bend them. If necessary, move car until towing bar arms are looser.	
Disconnect both tow bar arms from the car and secure or store pins or locks. It may be necessary to tap out the pins with a hammer.	
Retract both towing bar arms until they soft-lock in retracted position.	
Rotate towing bar arms upward then to the side until the hold-up pin locks in place. Put on the cover.	
<i>(If storing towing bar, remove from RV receiver, secure or store pin or lock, and put towing bar into Blue Ox cover. Rotate towing bar arms upward and to the side before removing from RV. Also remove and store receiver hitch drop connector.)</i>	
Remove towing bar tabs from front of car and store.	
Put tab hole covers into towing bar tab slots on car.	

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BRAKING SYSTEM ERROR INFORMATION	
Yellow screen errors should be investigated but do not require immediate stopping.	
Red screen errors require immediate stopping to address.	
BREAKAWAY: The system has entered breakaway state and the car brake is being fully applied. If you can verify the car is still securely attached to the RV, you can de-activate this by holding down both the left and right buttons on the remote controller. Pull over and check all connections as soon as safe to do so. If problem persists, call Blue Ox customer care.	
BRAKE NOT FOUND: The brake system is no longer communicating with the remote controller. Run through pairing sequence listed below. If problem persists, call Blue Ox customer care.	
RESET TOW BRAKE: The brake system has detected an error and will not activate until you reset the system. Stop when safe to do so (being aware car brake will not be assisting) and reset brake system. If problem persists, call Blue Ox customer care.	
<p>Call Blue Ox customer care at (402) 385-3051 if assistance is required. Alternate Blue Ox number: (800) 228-9289.</p> <p>Towing bar: ALPHA tow bar, model BX7365, serial #21251. Patriot II braking system model BRK2016, serial #153857. Date of purchase: 12/6/2017.</p>	
TO PAIR THE BRAKING SYSTEM REMOTE CONTROLLER	
On remote controller, press SETUP button to access the setup menu.	
Press DOWN to choose PAIR REMOTE.	
Press OK to select the PAIR REMOTE option.	
Press START and leave the remote controller on this screen.	
Setup braking system in car in usual manner.	
After system is set-up, press and hold SETUP button for one second.	
Return to remote controller to verify the devices have been paired. If paired successfully, the 4-digit code for the brake system will show after PAIR ACTIVE on the screen.	
Press the OK button to return to the SETUP menu.	
Press the OK button to return to the main screen.	