



MAD RIVER CANOE

∞ OWNER'S MANUAL ∞



LEGEND OF THE MAD RIVER RABBIT

For more than 35 years, the name Mad River Canoe has been synonymous with quality and innovation. Our canoes provide the highest level of owner satisfaction in the industry.

We sincerely thank you for choosing Mad River Canoe as the means to your adventure. Whether you're daydreaming of that special spot on the calm water or trekking to the edges of the unknown; our canoes will provide you the performance and confidence to get you there for years to come.

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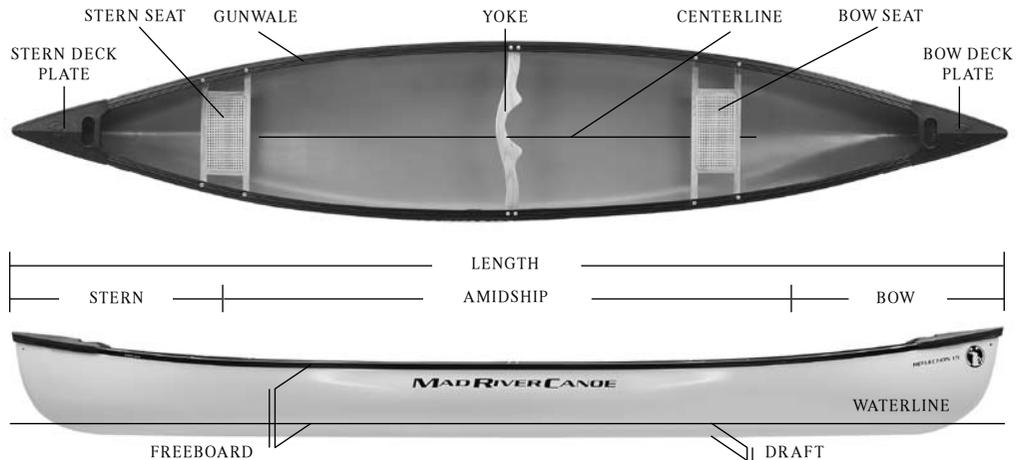
This owner's manual and additional information
is available at www.madrivercanoe.com

Every great symbol has a legend. Sitting at the bow of every Mad River Canoe is ours. The story of the Confident Rabbit is rooted in eastern Native American lore. As the tale is told, the Confident Rabbit sits comfortably amidst the ferns enjoying his pipe, even though his mortal enemy, the Lynx, prowls nearby. The Confident Rabbit is not concerned, for he relies on his wisdom and own strengths and will escape the Lynx as he has time and time again.

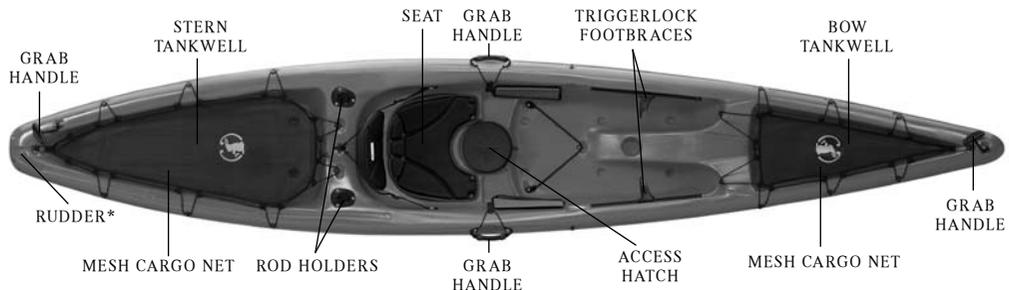
The symbol of the rabbit represents Mad River Canoe's pledge that our canoes are built to the highest standards of reliability and performance in the industry to give you the same confidence as the rabbit. It's that confidence in your canoe that allows you to focus on the environments and adventures that await of you, trusting your boat will get you there, and safely home again.



CANOE ANATOMY



SIT-ON-TOP CANOE



*Not available on all models



IMPORTANT: CHECK HARDWARE

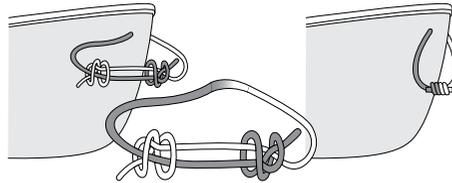
It is possible for fittings to work loose during shipping and handling. Check each seat, yoke, thwart, etc. to ensure it is firmly attached to the gunwales. Tighten any loose fittings with a Phillips head screwdriver and a 7/16" wrench.

INSTALLING GRAB LOOPS

Included with your canoe is a packet containing two lengths of cord to be used for grab loops at the ends of your canoe.

Thread one cord through the hole under your deck at each end of the canoe and tie off into a loop. A fisherman's or Flemish knot is strongly recommended for strength. It is also recommended that you set up 3/16" - 1/4" diameter "painter" lines approximately 8-10' in length at bow and stern of the canoe for added security when landing or tying off the boat to shore. They can be tied off to the carry handle behind each deck or to the grab loops. Keep lines coiled when not in use and out of the way.

NOTE: Adventure 14, 16, and Synergy 12, 14 are equipped with grab handles.



NOTICE: STATE REGULATIONS

Some states require that all canoes be registered. To register your canoe you will need your Manufacturer's Statement of Origin (MSO). This serves as the title to your canoe and should have been provided when you took delivery. If not, check with your retailer. If it has been lost, have your dealer contact Mad River Canoe and we will provide a replacement.

NOTE: Make sure the serial number on your MSO matches that on your hull.

FINDING YOUR SERIAL NUMBER

Your canoe's serial number is stamped on a brass plate or inscribed on the right side of the stern under the gunwale. You should record the serial number in the space provided on the last page of this manual for future reference. Your serial number is essential to reclaim a lost or stolen canoe, or to register and obtain warranty service.



SAFETY

Any person using canoes built and/or sold by Mad River Canoe is personally responsible for determining their abilities are equal or superior to the conditions encountered and exercising proper judgment in choice of where and when to paddle.

Any person using Mad River Canoes assumes all risks and takes complete responsibility for any and all damages, or injuries, including death, which may result from use or participation of Mad River Canoes.

Consult your physician prior to beginning your paddlesport training.

DO

- Wear a Coast Guard approved personal flotation device (PFD).
- Wear a helmet when paddling whitewater or in the ocean.
- Get paddlesports instruction from a licensed or certified instructor.
- Dress appropriately for weather conditions; cold water and/or weather can result in hypothermia.
- Check your equipment prior to each use for signs of wear or failure.
- Scout unfamiliar waters. If necessary, paddle to shore and carry your boat past uncertain areas.
- Stay aware of appropriate river water levels, tidal changes, dangerous currents, and weather changes.
- Follow manufacturer's recommendations for use and outfitting of your canoe.
- Leave your paddling location and agenda with someone at home before departing.
- Abide by all precautions placed on hull by manufacturer.
- Obtain certified first aid and rescue training and carry first aid and rescue equipment.

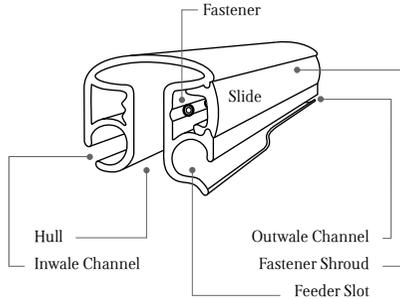
DON'T

- Never exceed your ability and assess how far and how long you can paddle and swim.
- Never paddle alone.
- Never consume alcohol, drugs, or any other substance that may affect your coordination, judgment or ability when paddling.
- Never paddle in flood conditions
- Never allow minors to use the boat without adult supervision.
- Avoid bracing yourself in the canoe in such a way that you have to release any outfitting to escape.
- Do not use electric or gas motors without determining if motor power is appropriate for your model of canoe. Do not exceed weight or power limitations where stated.

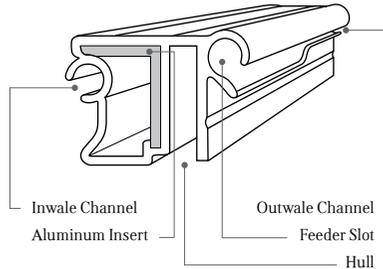
🔗 GUNWALE SYSTEM 🔗

ABOUT IQ AND IQ2

The patented Mad River IQ and IQ2 Modular Gunwale Systems offer the ability to use a range of interchangeable accessories that can be added or removed when desired. This allows you to rig the canoe for whitewater-style paddling one day, or set it up for a week long camping trip on another. Nothing is permanently installed, so you do not have to haul extra outfitting on casual outings. It is also possible to change a solo seating setup to a tandem configuration with the IQ gunwale system.



IQ™ Gunwale System



IQ2™ Gunwale System

IQ NOTE: Center thwart and carry handles are slotted, but are not designed to be movable. Doing so could distort the hull and cause damage. Movement of any thwart or carry handle will void your warranty.

CHANNELS

Located along the lower parts of the inwale and outwale, these slots or channels are the core of the system. They run end to end, from deck to deck. Each channel is independent of the others, so you can insert one module in the internal and another in the exterior.

FASTENERS

The IQ aluminum gunwale is fastened to the hull via hidden, self-tapping square drive screws. A cover sleeve runs along the outside of the gunwales concealing the fasteners. Removing one of the decks and sliding the sleeve out of the gunwale provides access to the fasteners if necessary. IQ2 vinyl gunwale fasteners are visible below the exterior channel and extend into the “box” on the inwale.

FEEDER SLOTS

Along the slots there are a number of spaced openings called “feeders.” This is where components can be added or removed. Along the inwale slot you’ll find pairs of feeders behind the bow deck, on either side of the center thwart, and in front of the stern deck. Boats with a second “tripping” thwart have additional feeders on the stern side of that thwart. Additional slots can be installed using a Spreader Tool if desired. Contact your local dealer.

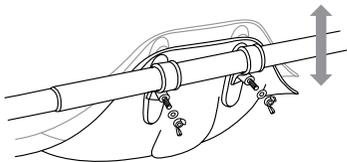
IQ BUCKET SEAT ADJUSTMENT

The IQ bucket seat has the ability to adjust the seat height. Higher positions increase paddling efficiency and are generally favored by experienced paddlers. Lower positions improve stability. They are ideal for parents who would like to bring their children on board. Lower positions also are an advantage in whitewater or turbulent conditions. Height adjustment can be made quickly if necessary.

To determine which height is right for you, start with the seats in the lowest position and determine how it feels.

HOW TO ADJUST SEAT HEIGHT

Locate the two wingnuts securing the straps looping around the crossbar behind the seat. Loosen the wingnut, washer, and spacer and set carefully aside. Remove bolt through seatback. Raise or lower seat to desired position, aligning holes in seat back with holes in ends of straps looping over cross bar.

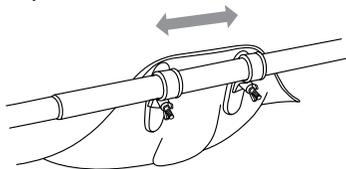


You'll see four additional height options. Insert bolt through seat back and through holes in both ends of strap. Push the spacer and then washer over the end of the bolt and secure with the wingnut. Be sure to tighten securely.

The first few times this is done, the strap may still be stiff. Pinching the ends together with pliers can make threading the bolt in position easier.

SIDE-TO-SIDE ADJUSTMENT

The IQ seat can be positioned in the center or to either side of the canoe to suit a paddler's preference. Solo paddlers or teams can utilize this feature to allow for maximum paddling comfort and efficiency by reducing the side extension necessary for each stroke.



To adjust side-to-side positioning of the seat, loosen the wingnuts under the stern crossbar without removing completely. Reach under the bar and shake the spacer and strap to relieve tension. Lift the seat slightly and slide to desired position. Tighten the wingnuts to secure and adjust front webbing tension as necessary.

RAKE ADJUSTMENT

To adjust the angle of the seat from front to back, loosen the webbing strap that runs through the seats to the gunwales. If the seat needs to be raised, tighten the webbing and pull the front of the seat up with your weight off the seat.

This adjustment also allows the seat to double as a kneeling thwart when the front is lowered. As the seat is suspended by webbing it easily kicks up, minimizing hazards posed by feet trapped under the seat frame.

FORE AND AFT ADJUSTMENT

To move seats towards a wider section of the canoe, first loosen the webbing that suspends the front of the seat. Pushing evenly on each side of the crossbar, move seat towards desired position while depressing the lock button on the bar as canoe widens. Position seat so that the lock button extends through the hole in the bar. Adjust tension on front web straps to restore the rake angle of the seat.

To move the seat towards a narrower section of the canoe, push equally on each side of the crossbar while depressing button to allow tubes to contract. Choose a seat position that allows locking button to extend through hole in cross bar. Snug up the web straps at front of seat to adjust rake angle.

SECURING SEAT POSITION

If you anticipate very active paddling such as whitewater or one that requires tight turns and blow-downs, consider locking the seat position. This is easily done by using the adjustable TieDown (part #8063311) which can be inserted into the slot behind and/or in front of the seat assembly to tighten in place.



SEAT ADDITION

The IQ system has the ability to add a third seat for an extra person or to remove an unneeded seat.

The seat assembly is suspended from the inwale slot via a crossbar behind the seat and web straps at the front of the seat. They are linked by a wand that slides within the slot. The wand connects with the molded tabs and secures the webbing and brackets supporting the crossbar.

- To add a seat, locate the feeder slots on the same side of the center thwart you want to place the seat.
- For a seat in forward of the center thwart, insert the front end of the seat assembly first.
- For a seat aft of thwart, the crossbar end of the assembly will be inserted first.
- For a seat aft of center, find the 3" flattened section on the wand. This section will mate with fittings suspending the seat. Before attempting installation of the seat, test fit the pieces together to understand how they work.
- Open the stern crossbar sufficiently to allow it to span the width of the canoe at the feeder slot. Position the seat so that it is properly sitting in the bottom of the canoe. Mate the bracket on one side of the crossbar with the fitting on the end of the wand and insert into one feeder slot. Push assembly back just far enough to clear the feeder slot and then repeat on other side to suspend the seat stern.
- Mate the tab holding the webbing with the fitting on other of end of wand and feed the wand into the slot until the tab and fitting slide up and into slot. Repeat with other side.
- Using equal pressure on each side, slide the seat assembly towards desired position. It may be necessary to depress the locking button in the cross tube to allow seat to move to desired position. Once in position, make sure the locking button is engaged in one of the holes of the cross tube.

- To install a seat forward of center, use the slots in front of center thwart and follow the "installing seat aft of center" procedure, starting with the tab securing the webbing and finish with the bracket holding the cross tube.
- To remove a seat, slide seat assembly towards appropriate feeder slot. Take a flat head screwdriver and use to guide end of wand down and out of the feeder slot.
- Pry the head of the wand out the feeder slot and pull out gently until the wand and either the bracket or tab can be separated and then repeat procedure on other side. Once both sides are released from slot proceed to remove the rest of wand and assembly at opposite end. Be careful to remove wand before removing fittings as it can be difficult to retrieve the wand from the slot.

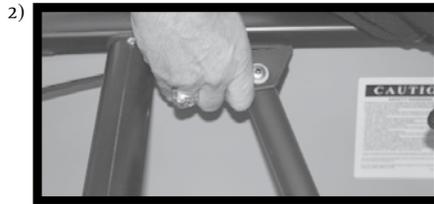
SEAT REMOVAL

- Avoid forcing seat assembly out of slot as this can result in breakage of the connecting wand.
- When using an IQ seat, it is critical that the locking button be fully engaged in a hole on the seat cross tube. Failure to do so can create excessive seat movement or bending of the cross tube.
- When positioning a seat in the center of the canoe make sure to leave adequate room between seat and center thwart to allow for easy escape should it be necessary. It is recommended you position seat no closer than 20 to 24" to the center thwart.

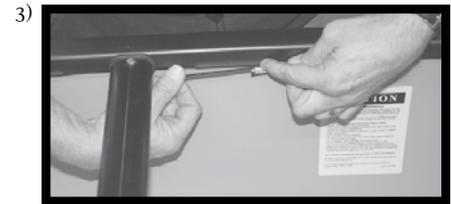
⌘ ADDING OR REMOVING SEAT ⌘



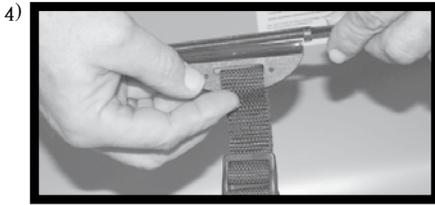
Fitting wand to seat bracket



Inserting seat bracket into slot



Slide bracket leaving wand exposed for strap fitting



Fit wand to strap fitting



Inserting strap fitting into slot



Adjusting seat barwidth by pressing button



Repeat steps 1-6 on other side



Adjusting seat position and height



Done!

Steps 1-9 show you visually how to install the IQ Bucket Seat. To remove, just reverse the order of steps.

IQ & IQ2 ACCESSORY MODULES

SPRAYSHIELDS

Partial spray covers shed rain and waves and are easily installed and removed. Cover can be unzipped and flipped to one side for gear access. Available for IQ in tandem, short tandem, and solo editions. Available for IQ2 in tandem edition.

BELLY COVER

Center cover counterpart to sprayshields. One size fits all IQ and IQ2 tandem canoes.

TANDEM END OVERBAG

Holds flotation bags or gear in front of bow paddler. Carry handles allow lifting contents and carrying outside of canoe. Available for IQ or IQ2.

GLOVE BOX

Quick access to essential gear. Can be positioned anywhere around paddler and provides 300 cu in. of storage capacity. Available for IQ or IQ2.

ADJUSTABLE TIE DOWNS

Slides into IQ or IQ2 gunwale to easily secure gear via spin knob.

WATERPROOF CHINE BAG

Waterproof dry storage bag with zipper. Features external lash straps for paddles, tripods, rods, etc. and D-rings to clip in other gear. Tucks away below gunwale when not in use. Fits IQ and IQ2.

CENTER IQ BUCKET SEAT MODULE

Adjustable, extra seat. Easily removable. Fits IQ system only.

LASH-IN SYSTEM

Secures gear and flotation with tie-down loops on webbing runner that slide in and out of channels easily. Fits IQ and IQ2.

REMOVABLE YOKE

Aluminum framed with neoprene cover foam for carrying boat up and down portage trails. Available for IQ or IQ2.

CENTER OVERBAG

Companion piece to Tandem End Overbag that fits center of canoe for easy access to contents. Fits IQ and IQ2.

FLOAT BAGS

Designed for both Outrage models with IQ or IQ2 gunwales, this eliminates the need to install eyelets or drill through hull to secure flotation bags. Includes pockets for throw bags or water bottles.

SPREADER TOOL

Allows addition of feeder slots to IQ and IQ2 or to restore bent channels.

SEAT PAD & BACKREST

Provides extra comfort and back support to IQ contoured seat and can be used during active paddling. Fits IQ bucket seats only.

WORKSTATION

Working space with storage capacity for fixing meals, organizing fishing gear, etc. Station is movable with 1400 cu in. storage. Fits IQ and IQ2.

There is an ever-expanding IQ and IQ2 modular accessories list. A complete line of our accessories can be found online at www.madrivercanoe.com.

ACCESSORIES

TANDEM SPRAYSHIELD



SOLO SPRAYSHIELD



BELLY COVER



TANDEM END OVERBAG



ESSENTIALS CHECKLIST:

PERSONAL FLOTATION DEVICE (PFD)

A comfortable and secure fitting PFD should be worn at all times. A USCG approved Type III PFD is recommended.

PADDLE

At least one paddle for each paddler and one spare paddle for each canoe is recommended, should a primary paddle be lost or broken.

SAFETY EQUIPMENT

USCG regulations require an audible signal device (a horn or whistle) to be on board all watercraft.

PERSONAL GEAR

Items you should keep with you on every trip include: Sunscreen, hat, sunglasses, plenty of drinking water, insect repellent, duct tape, compass, waterproof flashlight, matches or lighter, pocket-knife, and a first aid kit.

GLOVE BOX



ADJUSTABLE TIE DOWNS



WATERPROOF CHINE BAG



CENTER IQ SEAT MODULE



LASH-IN SYSTEM



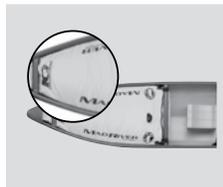
REMOVABLE YOKE



CENTER OVERBAG



FLOAT BAGS



SPREADER TOOL



SEAT PAD & BACKREST



WORKSTATION



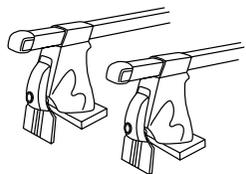


SPORT RACKS

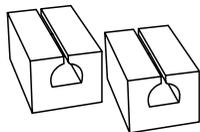
The sport rack systems consist of two rigid steel crossbars supported by feet or towers that are clipped into your vehicle's rain gutters or doorframes. The canoe rests on the crossbars and must be tied off bow and stern to the vehicle and at each crossbar. These racks are very secure and function well for long distance hauling at high speeds. It is important to ensure that the rack is rated adequately for the weight of your canoe.

FOAM BLOCK RACKS

Foam block systems are the least expensive and also less secure than sport racks. They consist of four foam blocks with milled slots to fit over the canoe gunwales. The canoe rests on the roof on these blocks and is secured at either end by ropes or straps running to the car and by a single or multiple over center straps or rope. Foam block systems are fine if you're hauling your canoe locally and are handy when making a shuttle run, but are not recommended for long trips at highway speeds.



SPORT RACKS



FOAM BLOCK RACKS

OTHER TRANSPORTATION METHODS

If you plan to carry your canoe in the bed of a pick-up truck, be aware that the canoe will be considerably longer than your bed and may extend far enough out behind your vehicle to require a red warning flag. Tie your canoe snugly into the bed and run it parallel to the vehicle; do not angle it to one side or the other as this can result in the canoe extending into neighboring traffic lanes.

TIPS

On hot sunny days, relieve the tension in your tie downs if you'll be leaving the canoe on a stationary vehicle for any length of time.

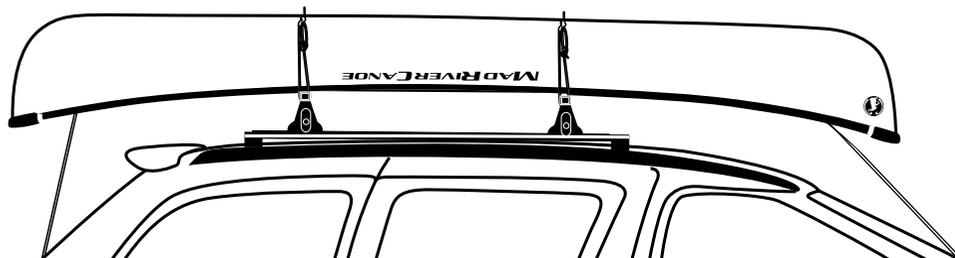
Rainy weather will often result in ropes or straps stretching and becoming loose so check them periodically in the event of inclement weather.

If using a bar rack overhead straps or ropes should be routed inside of the rack towers.

SECURING AND POSITIONING

Canoe should always be carried gunwales-down to avoid the chance it could fill with rainwater. A canoe full of water will weigh in excess of a 1000 lbs. and no vehicle is able to support that much weight safely.

Make sure your ropes or straps are snug and tight but not so tight that they deform the hull in any way. Be careful tensioning the bow and stern tie downs as it's easy to overstress the hull by over tightening these lines. Periodically check that straps remain at proper tension and are not chafing or wearing themselves, the vehicle, or the boat.



☪ STORAGE ☪

AVOID THE FOLLOWING WHEN STORING YOUR CANOE:

Canoes are best stored hull up/gunwales down on evenly spaced supports, such as sawhorses or beams securely attached to a wall or via web slings. Supports should be positioned approximately 1/3rd of the canoe length from each end.

If possible, store the canoe indoors in a heated area, but do not place near a direct source of heat or chemical vapors, such as a furnace or car exhaust. Take caution if the canoe must be stored outdoors that it is securely tied down and not exposed to elements such as falling tree branches or snow loads.

Before storing for winter, also be sure to treat the hull with a UV protectant such as 303 Aerospace Protectant. If your canoe has wood gunwales, apply a fresh coat of Gunwale Guard before storing as well.

Do not store the canoe leaning on its side or flat on the ground as this can deform the hull or flatten the hull over time.

Do not suspend the canoe right side up by hanging from the grabloops as this can increase the rocker (curvature of keel) of the hull.

Do not place any objects on top of the canoe as this can also deform the hull.

ROYALEX® CANOE STORAGE

Royalex® is susceptible to shrinkage when exposed to freezing temperatures. A sheering fracture (cold cracking) is a potential hazard if you live in areas with rapid fluctuation or freezing temperatures, particularly on canoes with wooden gunwales.

Cold cracking is not covered under the canoe's warranty. Cold cracks, should they occur, are repairable by contacting your local dealer.

Synthetic Gunwales are less prone to cold cracking, but covering your canoe with an insulator such as a moving blanket can help lessen the chance if a severe drop in temperatures occurs.

CAUTION: USING COVERS

A cover will provide some protection from the elements but do not let the cover rest directly on the hull as the cover will trap condensation and this can discolor the hull. Set wood or foam blocks on top of hull and drape cover over these risers to create an air space between hull and cover. Make sure cover is secured so it will not blow off.

IQ GUNWALES

Periodically rinse both inwale and outwale slots by setting boat on side and flushing with water from center so that water and debris flow towards ends. Removal of decks will allow greater flow. Rinse gunwales after use in salt water. Should slots be dented, use the spreader tool to bend slot to proper alignment. Pliers can be used but caution must be taken to bend the gunwale slowly which eliminates sharp edges. Scratches can be touched up with flat black enamel paint.

VINYL GUNWALES (INCLUDING IQ2)

Periodic applications of a UV protectant such as 303 Aerospace Protectant should be applied to your gunwales following manufacturer's instructions. Wipe off excess and be aware gunwales will be slippery immediately after application.

ALUMINUM GUNWALES

Cosmetic scratches in the anodized black surface can be worn off by abrasion, revealing the silver aluminum underneath. This does not affect the performance. It can be fixed by lightly sanding exposed areas and wiping with denatured alcohol and touched up with flat black enamel paint. Always rinse aluminum gunwales with fresh water after use in salt water to avoid corrosion. No soap or detergent is necessary. Long-term salt water use can cause structural issues and possibly binding of the gunwales.

WOOD GUNWALES

Each gunwale is treated to three coats of Gunwale Guard before shipping from the factory. It will be necessary to recoat your gunwales with Gunwale Guard periodically for maximum longevity, generally four times a year. The best times are first use in spring, once or twice during the season, and before winter storage. Do not treat with varnish.

To re-oil your gunwales, first clean with a mild cleanser and lightly sand with medium or fine grit sandpaper. Apply Gunwale Guard liberally and sit for a few minutes. Wipe residue with a clean cloth. To create a superior finish, wet sand the standing Gunwale Guard with fine or extra fine sand paper and wipe clean.

Be sure to treat the underside of each gunwale and wipe any drips off the hull. Treat wood decks, carry handles, and seat hangers with Gunwale Guard as well. Do not treat seats, thwarts, and yokes (which are varnished) with Gunwale Guard.



ROYALEX® CANOE WITH WOOD GUNWALES

Remove the top deck plates at least once a year and treat exposed gunwales with Gunwale Guard. Use Mad River's Gunwale Guard Stain if your canoe has dark stained gunwales to restore color.

Canoes stored outdoors will naturally grey as they weather. You can restore the blonde finish of the gunwales by sanding them or by rubbing them down with a weak bleach solution.

PREPARING ROYALEX® CANOES FOR WINTER STORAGE

NOTE: Do not touch or move the canoe when temperature is below freezing or has recently been. If snow piles up on hull, use broom to remove snow build up. Do not lift canoe or tilt to dump snow load. Allow time for hull of canoe to warm up to air temperature.

ROYALEX® CANOE WITH WOOD GUNWALES
The best way to prevent cold storage problems is to store the canoe in a heated area. If this is not possible, the following method will minimize issues:

- Clean and dry exterior and interior of hull. Apply treatment of 303 Aerospace Protectant inside and out.

- Oil wood gunwales with Gunwale Guard. If protectant hasn't been applied regularly during the season, it would be wise to sand the rails to try to dissipate any moisture absorbed by the wood before applying Gunwale Guard.
- Back out all gunwale screws except the middle three in each gunwale.
- Release the inside gunwales from the stems of the canoe and slide a scrap piece of wood crossways between edge of hull and gunwales to maintain separation. Take the opportunity to apply coat of oil to the inner surface of the gunwale that has been in contact with the hull of the canoe as well as the underside of the decks.
- To re-assemble gunwales, you'll find having several clamps helpful to reposition and hold gunwales in proper alignment with existing holes in hull and gunwales. Starting from center realign gunwales with top edge of hull and clamp in position. Insert screws and tighten working from center towards ends. Start all screws before final tightening.

ROYALEX® CANOE WITH IQ GUNWALES

For paddlers living in regions experiencing consistently cold winters or subject to severe

temperature fluctuations, it is recommended that the first 6 fasteners from each end of the canoe in the IQ gunwale be loosened. Aluminum is a stable material in terms of temperature impact whereas Royalex® will contract in severe temperatures. On occasion, the discrepancy is sufficient to cause cold cracks. To minimize this possibility:

- Remove decks at each end of boat with Phillips head screw driver and wrench.
- On outside of rail, pull the sliding shroud cover (see IQ diagram on page 6) out of the gunwale. This will expose the gunwale fasteners.
- Use a square drive to completely back out the 6 endmost fasteners on either side of canoe at both ends. Store the screws with the boat.
- Re-insert the shroud cover into the gunwale to maintain proper shape. It is not necessary to re-install the decks at this point. Store them and hardware with gunwale screws.
- To re-assemble, remove the shroud cover. Seat the screws in original holes and drive tight with square drive. Re-install the shroud cover and install decks by reversing process used to remove them as described above.



HULLS

Modern hull materials require very little maintenance other than periodic cleaning and UV protection. 303 Aerospace Protectant protectant works very well with all hull materials. Waxing your hull is not recommended because it does not adhere well to Royalex® or Polyethylene hulls and inhibits more effective protectants such as 303 Aerospace Protectant.

TRIPLE TOUGH™ (TT) HULL

(ROTOMOLDED 3 LAYER POLYETHYLENE)

Most dents or depressions will often work themselves out if left exposed to bright sunlight. Heating the hull with a hair dryer or hot air gun can restore more serious dents. Be careful to keep heating moving and do not bring heat source directly into contact with the hull. Heat on side of the hull with dent and press against the other side of hull with hand to push back into position. **Be careful of excessive heat, which can melt the Triple Tough skin.**

Over time, outer layers of the hull can abrade, exposing the core. If this occurs, the hull exterior can be welded. Contact your local authorized Mad River Canoe dealer for information.

POLYETHYLENE HULLS

Periodic treatment with 303 Aerospace Protectant will help maintain factory color intensity. These hulls are exceptionally durable, but extensive damage or numerous cracks must be welded to repair. Eventually the integrity of the hull could be lost after many repairs and should be retired, recycled, and replaced.

COMPOSITE HULLS

If the hull is damaged, identify whether it is cosmetic or structural. Test for increased flexibility in the area around the damage. Compare side of canoe with damage to like area on the other side for lessened rigidity or broken fabric fibers or strands which indicate structural damage.

Most superficial scratches can be removed by wet sanding with 200 or 400 grit sand paper followed by rubbing and/or polishing compound. Shallow scratches are generally best left as-is or color matched using aerosol spray paint.

If gel coat is cracked or chipped it will be necessary to remove loosened or lifted gel coat and fill repair area with color-matched gel available from your local Mad River Canoe dealer.

If structural damage occurs, Kevlar and Fiberglass Repair Kits are available from your Mad River Canoe dealer. Professional assistance may be required from your dealer or someone with experience repairing canoes.

Periodically inspect the bottom of your hull to determine if scratches have penetrated the interior layers of the hull. If you can see the fabric-like weave of the fiberglass cloth, then you should repair the area to prevent further damage.



ROYALEX® HULLS

Most dents or abrasions need no attention as Royalex® is a very durable material. If dents are significant, you can often re-expand the hull in the damaged area by heating with a hair dryer or heat gun. Keep heat moving at all times and **do not bring source of heat into contact with the hull.** Heat on the side of hull with the dent and press against other side to bring back into position.

If outer skin reveals the next layer of differing color, protect hull from UV degradation by spray painting exposed area. Cut away lifted portions of skin with a sharp knife before painting exposed layers.

If the underlying layer is cracked or flexible when pushed, it will require repair. Mad River Canoe offers a Royalex® patching resin. If the foam core is flexible, addition of multiple layers of fiberglass or Kevlar cloth on the interior hull may be necessary. Materials can be obtained through your local Mad River Canoe dealer.

For whitewater or shallow rivers, Kevlar skid plates should be considered on the ends of the boat. These reinforcements protect the end of the boat from impact of abrasion.

SEATS, THWARTS, YOKES

Any nicks or cuts in the marine spar varnish should be recoated as soon as possible. Lightly sand with fine grit sandpaper, wipe clean, and apply several thin coats of varnish, allowing each coat to dry before the next application.

An annual application of varnish to the cane in the seats will extend their longevity. Do not sand the cane; simply apply several light coats of varnish. Also, do not sand or vanish the webbing in the webbed seats.

🔗 LIMITED LIFETIME WARRANTY 🔗

TERMS AND CONDITIONS

For the original retail purchaser (“Consumer”), Mad River Canoes by Confluence Watersports provides a lifetime warranty against material or manufacturing defects in the hull.

Parts, accessories, and outfitting (including gunwales) are warranted for a period of one (1) year against material or manufacturing defects from the date of purchase.

For Mad River Canoes sold as “2nd quality” as indicated on the Manufacturer’s Statement of Origin (MSO), Confluence Watersports provides this limited warranty for five (5) years for the hull and one (1) year for parts, accessories and outfitting.

This limited warranty is only valid with the purchase of a Mad River Canoe from an Authorized Mad River Canoe Dealer. This warranty is non-transferable.

HOW TO REGISTER YOUR BOAT

The warranty registration form should be completed online at www.madrivercanoe.com to be activated. It is suggested that you keep your sales receipt should it be required in the future for proof of purchase.

OBTAINING WARRANTY SERVICE

If you have a problem with your canoe and you suspect that it may be due to defective materials or workmanship, contact the nearest authorized Mad River Canoe dealer and arrange to have the problem inspected. Consumer is responsible for delivery to, and pickup from, the closest authorized dealer.

If the authorized Mad River Canoe dealer’s inspection indicates a defect that is attributable to materials or workmanship, Confluence Watersports will repair or replace your Mad River Canoe canoe free of charge at the company’s option. Proof of purchase such as a sales receipt may be required. If repairs or evaluation are required by Mad River Canoe at its manufacturing facility, the Consumer will be responsible for a \$50.00 shipping and handling fee.

If service is required in a country that is not the country of purchase, Consumer will comply with all applicable export laws and regulations and be responsible for all customs duties, value add tax (VAT), and other associated taxes and charges. For international service, the Mad River Canoe Distributor may repair or exchange defective products and parts with comparable products and parts that comply with local standards.

Confluence Watersports retains the right to satisfy warranty via repair or replacement of products or of components deemed defective. In addition, Mad River Canoe reserves the right to replace original canoes or equipment with comparable current products.

LIMITATIONS AND EXCLUSIONS

This limited warranty does not apply to:

- Normal wear and tear and aging of product.
- Canoes damaged by extreme weather or environmental conditions.
- Canoes damaged while in possession of a freight carrier, a dealer, Consumer, or any party other than Mad River Canoe.

- Canoes damaged by accident, neglect, improper use or handling.
- Canoes that have been towed by power or sail boats.
- Canoes designated as Prototypes.
- Canoes sold as “demos” or in “as is” condition.
- Canoes determined to have been used for any activity other than an activity which is customary for the product.
- Canoes that have been structurally or dimensionally altered or modified.
- Canoes used for commercial or rental purposes.

This limited warranty excludes all other warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose, with regard to Mad River Canoe. Some state, country, or provincial laws do not allow the exclusion of certain implied warranties, so the above exclusion may not apply to you.

This limited warranty excludes any incidental or consequential damages or expenses resulting from any defects. Confluence Watersport’s aggregate liability shall be limited to an amount equal to Consumer’s original purchase price paid for the defective product. Some state, country, or provincial laws do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

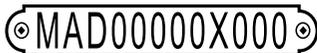
To the extent any limitation or exclusion contained herein is contrary to any country, state, or provincial law, such limitation or exclusion shall be severable

and all other terms herein shall remain in full force and effect and are valid and enforceable.

This warranty gives you specific legal rights and you may also have other rights. For Consumers who are covered by state, country or provincial consumer protection laws or regulations, the benefits from this warranty are in addition to all rights conveyed by such consumer protection laws and regulations.

FINDING YOUR SERIAL NUMBER

Your canoe's serial number is stamped on a brass plate or inscribed on the right side of the stern under the gunwale. You should record the serial number in the space provided on the last page of this manual for future reference. Your serial number is essential to reclaim a lost or stolen canoe, or to register and obtain warranty service.



IMPORTANT INFORMATION

BOAT MODEL: _____

SERIAL NUMBER: _____

DATE OF PURCHASE: _____

DEALER NAME: _____

REGISTRATION NUMBER: _____

PROVINCE/STATE: _____

SERVICE & SUPPORT

If you have a problem with your canoe that you believe is covered under warranty, contact the nearest Authorized Mad River Canoe Dealer. You can find a listing of all dealers on our website.

If you have additional questions about your canoe or accessories, please visit our online support webpage at www.madrivercanoe.com for resources or to find information on contacting a customer service representative.

CONTACT US

Service and Support: (800) 445-3763
Fax: (888) 884-0544

Service and support hours are Monday through Friday from 9 a.m. to 5 p.m. EST.

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