



K40S *Tasman*
Inflatable Sea Kayak
4.30 m, 1-person



Incept Marine Ltd

126 Hautapu Street, Taihape 4720, New Zealand.

ph ++64 6 388-0729

fx ++64 6 388-0747

email: sales@incept.co.nz

Congratulations on your purchase of the Incept ***K40S Tasman*** Inflatable Sea Kayak!

An inflatable sea kayak which weighs just 17 kg and packs down to an ultra compact 75L - inclusive of pump, decks, seat, pedals and rudder! And will carry an impressive load of 160 kg of crew and gear! And once familiar with the adjustments and fittings, you will take less than 10 minutes to assemble!

There has been universal acclaim and reports of speed and handling comparable with well known hard-shell kayaks. And because the decks are readily removable, it is a simple matter to stow expedition gear.

Surprisingly strong and stable, the K40S *Tasman* will handle big seas and survive impacts which would break rigid hulls. Made of durable reinforced polyurethane alloy, given basic care the boat material will take the knocks and give exceptional service.

Truly a jet-setting kayak, the Incept K40S *Tasman* will repay your choice with reliable and happy boating for many years.

FEATURES

Robust construction and innovative design give these kayaks a stiff frame, excellent speed, high stability and good handling. Main features are -

- **FOLDABILITY** - a 16 kg, fully featured sea kayak which folds down into a piece of airline baggage!
- **RUDDER** - detachable high-tech rudder and foot controls
- **STOWAGE** - zipped decks and room for stowing trip gear in stern and bow allows plenty of options for optimum trim on expeditions
- **ACCESS'BL DECKS** - originally inspired by Audrey Sutherland and used by her for thousands of sea miles, velcro'd decks have been upgraded with water-resistant zips and full length access
- **SPRAY SKIRT** - standard off-the-shelf neoprene spray skirt on secure coaming
- **SPEED / HANDLING** - comparable with hard-shells
- **COMFORT** - adjustable seat and footrest give great support and comfort
- **GRABLINE** - full length fitted safety grab-line
- **LINE SUPPORTS** - plenty of external attachment points for tethers etc
- **PUMP** - top quality strong, high-pressure US barrel pump

SPECIFICATIONS:

LENGTH	4.35 m	14' 3"	CREW	1 person
WIDTH	67 cm	26"	LOAD	160 kg 350 lb
TUBE	13 x 25cm	5 x 10"	BARE WEIGHT	17 kg 37 lb
INTERNAL	40 cm	16"	(includes all fittings and pump)	

The ***Incept K40S*** inflatable sea kayak is constructed from a heavy duty and light weight Polyurethane alloy boat material designed for Incept's back-packable wilderness boats. It has 1100 dtex Polyester reinforcing, is exceptionally strong and hard wearing, and is protected to withstand New Zealand's extreme UV exposure.

ASSEMBLY

- **INFLATE** The main inflation valves are in the cockpit and operated by pressing down the internal stem and twisting a quarter turn. When the stem holds down the valve is open. Release the stem to close the valve for inflation. The protective caps prevent the entry of gravel and dirt.

Close the inflation valves and inflate the three air chambers (sponsons and floor). If you find the pump nozzle is a loose fit, use the blue adapter in the pump bag.

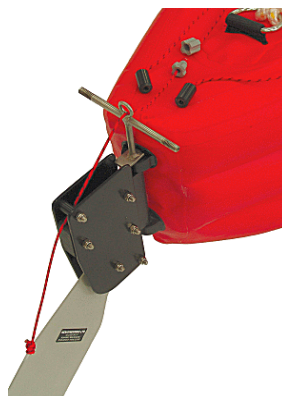
Pump hard enough to blow the three relief valves. Fit the valve caps.

- **RUDDER** Set the rudder-raise control to the home position (rudder down) in the jamcleat at left (port) of the rear cockpit.

Fit the rudder and attach the three control lines.

Be sure the rudder pin is pushed fully into place, required for transmitting the steering action.

If the plastic connecting nuts are given a half-dozen counter twists beforehand, line twisting will be minimised.



- **SEATS** Clip the seat into the cockpit (4 snaps). Inflate by mouth and twist the valves closed.

Inflate the *back-rest* as hard as possible. Inflate the seat cushion **very soft**, almost flaccid, for comfort, support and for getting the paddler weight low.



The seat cushion valve is positioned between the legs so it can be opened at sea for adjustment if you need it.

A small amount of adjustment is possible. The top of backrest should be partially under the rear deck.

- **FOOTREST**

The footrest / pedals assembly is inflated by mouth to a moderate pressure, not critical.

With the rudder in a neutral (straight-ahead) position, the rudder lines can be adjusted at the **forward** tie-point so that the pedals lean slightly towards the paddler. *This has been pre-set at the factory but may need further adjustment after a settling period or first use..*



The footrest is adjustable on the webbing straps for leg length. The rudder lines will automatically adjust without further attention.

The pedal elastic cords should be adjusted so tension is sufficient *only* to hold the pedals up. To avoid drag in the rudder lines do not over-tension.

- **DECKS**

The decks are an important and integral part of the boat structure, stiffening the hull significantly when closed.

Fit the curved fibreglass battens in the 4 pockets provided in the deck undersides. **Important: pull the decks in to relieve the zips of any load when closing them.** An occasional spray with silicone will keep the zips closing easily.

Important: When opening the decks it is necessary to **half withdraw** the battens.



- **COCKPITS** Insert the white rod into the cockpit coaming sleeve and pull in tight with the tab closure. Pull the webbing strap tight for security. Leave the black cord in the rod end hanging out for easy removal later.
- **PUMP** The barrel pump supplied is a heavy duty American pump which can easily reach the higher boat pressures needed for this performance kayak. Because it does not require a hose it can be used at sea to fix the pressure drop at launching which occurs when the sea is cold and the beach is hot. The inflation valves are located in the cockpit for this reason.
- **SPRAYSKIRTS** Pull the sprayskirt up over your legs to chest height with the long part of the skirt in front. Adjust the shoulder braces. You may choose not to wear the braces - in which case tuck them inside the body tube.
Wear your paddle jacket and PFD (personal flotation device / life jacket) **over** the spray skirt.
When you get into the kayak, reach behind with the back of the skirt elastic and tuck it under the edge of the cockpit coaming. Stretch the elastic edge of the skirt forward with both hands, one each side, tucking under the coaming as you work towards the front. When you reach the front of the skirt **be sure the pull tab is out on TOP of the deck.**
WARNING: This is a matter for your safety if you should need to exit in emergency.

BOAT HANDLING

Performance is improved with pressure. Each of the main inflation chambers is fitted with a pressure relief valve set to the optimum inflation pressures. If the boat is left on the beach in the sun and internal pressures rise, the relief valves will blow. When the boat subsequently cools (taken out of the sun or put in the water), there will be a corresponding loss of pressure and you may wish to top up with the pump. You should only want to do this if you notice undue flex in the boat at sea.

How to paddle a kayak is outside the scope of this manual. Good books on the subject of sea kayaking are readily available.

It is essential that any user of this kayak take all reasonable steps to learn the basics of safety at sea before venturing out. To gain experience, join a local sea kayak network or club.

The leaflet "A Basic Guide to Safe Sea Kayaking" is included with this manual. If this should be missing, or additional copies are needed, please contact the agent who sold you this kayak or Incept Marine Ltd or the Kiwi Association of Sea Kayakers, PO Box 23, Runanga 7854, West Coast, New Zealand.

CARE

CLEANING & MAINTENANCE:

Use warm soapy water or light abrasive cleanser to remove dirt and stains.

Periodically clean and if necessary lubricate the zippers with a silicone spray.

Remove sand and gravel which may accumulate between the floor and the sidewalls.

Lubricate control lines with silicone where they pass through the guides.

Wipe the boat with 303 Protectant to restore lustre and keep your kayak looking new.

FOLDING / STOWING:

To stow the boat, remove the rudder, cockpit coaming rods, curved deck battens and seats.

Before storing, inflate the kayak, *fit the valve caps* and wash with fresh water.

Dry thoroughly: - with sponsons inflated and floor slack, lift off the ground supported at bow and stern until dry, particularly in the sandflap (between floor and sponsons). Storing wet will result in mildew and possibly permanent stains.

Open the inflation valves with a simple press down / quarter turn.



Fold the boat as in the diagram above.

Spend a moment in getting the boat flat with the sides turned in a little (1).

Fold the kayak from the bow to expel all air (2 & 3) then *re-roll from the stern* to protect the valves (4 - 7) and get the bundle smaller. Kneel on the bundle as you go. Secure the package with the compression strap supplied (8).

A little time spent in learning how to roll your boat properly will be most worthwhile.

Most damage to inflatable boats occurs off the water when in the folded state. Folded corners which are dragged on hard ground can be expected to hole. In particular be careful with the folded package where the internal parts of the valves protrude against the boat material. Do not lay such a bump down on, say, the deck of a moving truck.

REPAIRS:

A basic repair kit of boat material and adhesive is included with the boat.

The adhesive requires warm and dry working conditions for best results. Preparation of a permanent repair is as follows:-

- Cut a patch to fit the repair leaving 25mm (1") edge distance to the hole. Round corners for appearance and resistance to lifting.
- Dry the surfaces and preferably clean with an M.E.K.(methyl ethyl ketone) solvent damped cloth.
- Position the patch and mark the outline on to the boat with a pencil.
- Brush glue on to both surfaces. Do not over brush as the glue will drag and become lumpy. Allow to dry 15 - 30 minutes, more in cool conditions.
- Place the patch and heat - warm to the touch - if necessary using a hair dryer or hot-air gun. Heat activates the glue, providing an instant and permanent bond. Apply pressure to the patch while warm. A portable camp cooker is a useful warming tool for on-trip repairs (under a sheet in adverse conditions) - *but do not overheat*.

Temporary repairs can be made without heat or solvent if the patch is applied before one of the glued surfaces is dry, i.e. while still slightly tacky.

WARRANTY

INCEPT's K series inflatable kayaks in non-commercial use are guaranteed for a period of five years from the date of purchase. Any manufacturing defects in materials or workmanship found during the warranty period will be made good by Incept Marine Ltd at no cost, provided only that the boat is returned to the nearest Incept repair station, freight paid. Call the dealer from whom you purchased the boat, or Incept, for details.



[Mk 6 K50D Pacific Double, Stewart Island New Zealand]

INCEPT *K40S Tasman*



- proudly made in New Zealand by Incept -

BOAT SERIAL No. **INC39**

PURCHASE DATE / /