



Indi Seat Fitting Instructions

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PREPARATION

THANK YOU FOR PURCHASING INDI SEAT KIT

PLEASE TAKE A MOMENT TO READ THROUGH THESE INSTRUCTIONS.
INDI SEAT IS EASY TO FIT AND THESE INSTRUCTIONS ARE DESIGNED TO MAKE
FITTING STRAIGHTFORWARD AND ENJOYABLE

REQUIRED AND USEFUL SEAT FIT TOOLS: (NOT SUPPLIED)

VACUUM SOURCE: VACUUM CLEANER OR FOOT PUMP (NOT SUPPLIED) TAPE
MEASURE, MARKER PEN, GAFFER TAPE, STOPWATCH AND KNIFE (BREAD
KNIFE OR SIMILAR).

COCKPIT PREPARATION

PLEASE COVER/TAPE ALL SHARP
EDGES, BOLT HEADS ETC THAT COULD
PUNCTURE THE INDI SEAT BAG

**It's also helpful to cover, block any
areas where the seat can mould into
and become difficult to remove. Areas
such as chassis rails, gear change rod,
seat belt mountings, seat belt
apertures in particular**

DRIVER PREPARATION

PLEASE MAKE SURE THE DRIVER WEARS
THEIR FULL RACING KIT TO MAXIMISE
THE MOULDING AND RACING FEEL:

- **RACE SUIT**
- **RACE BOOTS**
- **FHR/HANS DEVICE**
- **HELMET**



1st FITTING STAGE: PRACTICE / DRY FIT, NO RESIN

WITH INDI SEAT YOU CAN PRACTICE THE SEAT FIT BEFORE YOU ADD THE RESIN MIX. BY DOING THIS 1ST STAGE YOU CAN EVALUATE WHAT THE DRIVER NEEDS FOR THE OPTIMUM POSITION AND WITH NO RESIN, THEREFORE NO TIME LIMITS APPLY.

Get the driver into the seat shell or cockpit without the indi seat bag just an empty cockpit or seat shell. You can then check to see what the driver needs, check pedals and steering, adjust if required. Check height, measure how much indi seat the driver needs in the back area, the base, the legs and the body sides, shoulders, hips and so on.

****check your Championship Regulations for driver height and body position and material thickness****

Indi Seat bag: spread the bag with beads out on a flat surface. Apply a slight vacuum, just enough to allow the beads to move around the bag. Using data learned from the driver and empty cockpit, transfer measurements and position onto the bag and spread the beads into the required thicknesses for the back, base, legs and sides.

Apply a full vacuum to the indi seat bag. Attach a hose to the tap/valve on the bag. Press the button on the valve to open. Under vacuum, you are looking for an "orange peel" effect on the indi seat bag, then the bag will be hard. Put the vacuumed indi seat into the cockpit or shell, make sure you push the bag and beads into all corners and make sure bag is into the base of cockpit or seat shell. By opening the valve you can let air into the bag to make it easier to move around.

Still under vacuum, get the driver into the cockpit and into the indi seat.



It's better to be very methodical making an indi seat. Follow these steps to help get the best from indi seat and the Driver.

- 1) Feet and Pedal Position:** Start by getting the driver to move to get their feet onto the pedals. There should still be a bend in the leg at full throttle and full brake pressure.
- 2) Driver Height:** make sure driver is at the right height, especially to conform to your Championship regulations. You may need to move beads from under the driver to get them lower.
- 3) Back support and Steering Wheel reach:** Next work on back support and comfort, the lumbar area should be pushing the driver forward when they hit the brake, get the driver to check this by applying brake pressure and make sure they feel pressure from the indi seat. Check back thickness and steering wheel reach. The driver can check this by stretching their arms to the steering wheel. If the drivers wrists can rest on the top of the steering wheel, this is a good position. Also make sure the driver can turn the wheel lock to lock without fouling their legs. You can move beads from the back area to allow the driver to move backwards. If fitted, check headrest into the car to make sure that the driver isn't too far back. Make sure the headrest does not push the drivers head forward.
- 4) Overall body support:** When the driver is happy with feet and pedal position, height, back and lumbar, you can now move beads from the sides of the bag around the drivers body. Helpful to get the driver to lift their arms up so you can really pack them into the cockpit/shell. It's important the driver is held tightly by the indseat, so be aggressive and really push the indiseat around the driver.
- 5) Remember, by opening the valve to let air in you can move the beads around the indi seat. Always apply the vacuum to keep your changes and driver position.**
When the driver is happy with this first stage of fitting and they like the seat, apply full vacuum and get the driver out, carefully.
- 6) Mark & Measure:** Before you remove the indi seat, still under vacuum, using a marker pen, mark specific areas on the bag for reference later. Areas such as Base, Back, Lumbar, Shoulders, Legs, seat start and finish.
- 7) Removing indi seat and marking bag:** Remove the indi seat still under vacuum and place onto a clean flat surface. Measure the thicknesses for reference later and mark on bag. Specifically, measure thickness of base or mark that it was empty, no beads. Measure bead thickness under legs and mark measurement on bag . Measure back thickness and lumbar area thickness, mark measurement on bag and repeat this for shoulders, sides, and any areas which will help you move mix of beads and resin back to original shape
Please note: when you add the resin and water mix you will lose the shape of the indi seat mould, so these measurements and markings will help you get the mixture back into the original shape and position after resin mixing.
- 8) Prepare indi seat for adding resin and water mix:** Open the valve on the indi seat by pressing the button on the black valve. Beads will become loose, it's helpful if you position the valve in the centre of the bag. Remove black valve/tap carefully so you we be able to pour the resin through the opening.



MIXING RESIN AND WATER INTO INDI SEAT

You are now ready to add the Resin and Water mixture into the indi seat.

EQUIPMENT REQUIRED

Resin (Supplied) as per kit size see ratio chart

Water (not supplied, tap water is ok) see ratio chart

1 X Funnel (supplied)

1 X Measuring Jug (supplied)

Protective eye wear (not supplied)

Protective gloves (not supplied)

Stopwatch (not supplied)

Water CURE RESIN Ratio Chart

Bead Volume (litre)	Resin Volume (litre)	Water Volume (ml)
10	0.5	100
20	0.6	100
25	0.7	150
30	0.8	200
40	1.0	250
50	1.3	300
70	1.7	400

RESIN AND WATER MIXING

Mixed Resin & Water Working and Curing Time*

**indi seat resin is unique to indi seat, it is NOT Temperature sensitive, so its curing time is NOT affected by ambient temperature. It cures at the same time, whatever the outside temperature.*

Working Time	25 minutes from mixing the water with the beads and resin
Curing Time	Allow another 5 minutes after the 25 minutes working time. indi seat will be solid and ready to be removed from cockpit or seat shell

PLEASE NOTE: Start the stopwatch from mixing in the water, you have 25 minutes to work from this point.

indi seat resin and water is added/mixed in 2 easy Stages

1st Stage: Mix in resin, NO WATER

2nd Stage: Mix in Water. Water is the activator. Coating the beads with Resin in the 1st Stage saves time and ensures good coverage of mixture.

1st STEP 1: Mix the **RESIN ONLY** first. No water.

Using supplied measuring jug, measure out resin as per the Ratio chart on page 3. Insert supplied funnel into the bag (via the valve aperture). Once all resin is inside the indi seat bag, refit the valve/tap

The resin is coloured blue to assist in mixing the resin with the beads. You are aiming for an even light blue colour on the beads that indicates an even mix of resin to beads. This normally takes around 5 minutes, use a kneading action to mix.

STEP 2: Mix in the Water, water is the activator.

Using the supplied measuring jug, measure out the water as per the Ratio Chart on page 3. Remove valve/tap, insert funnel and pour in water.

NOW START THE STOPWATCH: YOU NOW HAVE 25mins WORKING TIME.

Mix the resin and bead mixture with the water, you will feel the water loosen the mixture. This normally takes 1 to 2 minutes. Re fit the valve/tap.

Move the beads back into position as per the DRY FIT. Now use your measurements and pen markings to get the indi seat back into the same shape as the DRY FIT. Then apply strong Vacuum. Turn the bag over and remove any creases from the rear of the bag.



FINAL FITTING

The Final Fitting is a repeat of the dry fit see page 2, except that the beads are now mixed with the resin & water so to produce a finished seat.

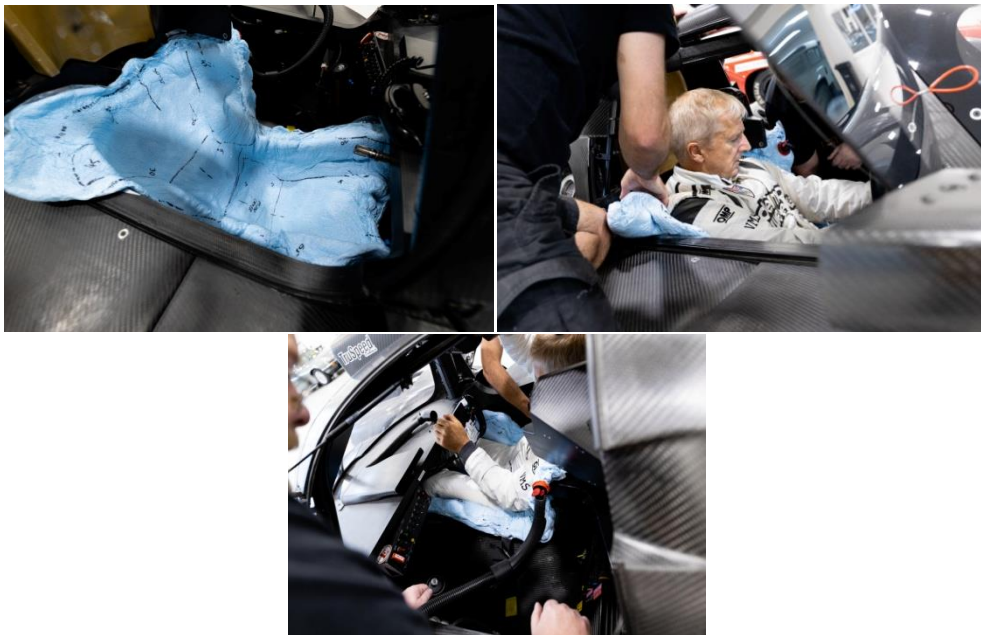
Put the indi seat back into the cockpit or seat shell.

REPEAT everything on PAGE 2. Follow steps 1 to 5.

PLEASE NOTE : The indi seat mix is now activated so keep checking the stopwatch and you must keep applying a vacuum to keep the indi seat shape.

PLEASE NOTE : When pushing the indi seat around the driver, pull any creases out of the the bag.

PLEASE NOTE : Keep the Driver in position even if you finish moulding the driver before the 25 minutes has finished and continue to vacuum.



INDI SEAT FINISHING

Removing indi seat:

Now the indi seat is cured, it's time to remove the seat from the cockpit or seat shell. Make a plan to remove indi seat, release from the sides, front and back carefully, Even when indi seat is cured it is flexible but please don't over stress the finished seat.

Trimming indi seat:

indi seat is very easy to cut/trim. A good serrated edge knife will work fine. Cut away excess material. Remember to cut indi seat in stages and re fit to cockpit or seat shell to check progress. Mark belt holes and cut accordingly. You can also smooth any bumps with sandpaper or a rasper.

Final Stage:

After trimming we recommend temporary taping indi seat and on track testing the indi seat to make sure no other alterations are necessary.

**** ALWAYS CHECK YOUR CHAMPIONSHIP REGULATIONS REGARDING SEAT COVERING****

