NAIAD INFLATABLES (NZ) LTD

VALVE PATCH – FITTING INSTRUCTIONS

The new inner tube will need to have the valve patch fitted in the same position as on the inner tube to be replaced. The easiest way to do this is to remove the old inner tube and lay it flat before taking any measurements.

Tools / Materials required;

- Rubber / Tyre glue (e.g. Pang Supersolution, Slime Rubber Cement, etc)
- Coarse sandpaper (e.g. 40 grit)
- Roller
- Sharp blade

To apply the patch;

1. Mark the correct valve location on to the new inner tube.
2. Remove any rubber oxides on the area to be glued using coarse (e.g. 40 grade) sandpaper. Ensure the sanded area is slightly larger than the patch. A satisfactory finish is achieved when the area is dull and no sheen can be detected.
3. Apply one layer of the glue to the inner tube only and allow the glue to dry.
4. Immediately on drying, remove the protective foil from the patch and apply to the glued area.
5. Apply pressure to the patch (ideally with a roller) to ensure a complete bond has been achieved.
6. Remove the plastic wrapper from the patch and apply pressure to the patch again ensuring that the patch is firmly positioned.

To cut the valve hole;

Do not cut the valve hole with the inner tube laid flat as this will result in cutting through both sides of the inner tube!

1. Separate the sides of the inner tube (it may be helpful to "roll" the edge of the inner tube so it is easier to get a firm grip on each side).
2. Fold the valve patch on to itself ensuring that the other side of the inner tube is pulled away from the valve patch (and the area to be cut!).
3. Using a sharp blade, cut into the inner tube at the edge of the hole in the valve patch and carefully continue to cut until the hole is complete.

To fit the valve;

1. Unscrew the valve nut and remove the pressure ring.
2. Grip the valve patch (as when cutting the valve hole).
3. The valve has four shoulders surrounding the cup diaphragm at its base. Insert one of these shoulders into the valve hole and work the valve body into the inner tube until only the threaded portion of the valve protrudes.
4. Once the valve body is inside the inner tube, replace the pressure ring and valve nut. The inner tube is now ready to be fitted.