

Olson Kustom Works

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Magnuson Blower Tub Spacers

Thank you for your purchase from OKW. If you have any questions about your products feel free to call or email!

This spacer system was designed with every aspect covered. Fitment, performance, and appearance have all been a high priority from conception to shipping! Please read this manual completely before starting this install.

The Magnuson tub spacers come in square port, cathedral port, and 2650 versions, and are not interchangeable. Make sure you have the correct spacer for your application. The square port tubs are flat at the back by the firewall, and the cathedral port ones are rounded. The 2650 has a round protrusion at the front.

SOME intercooler bricks are held up by small round dowels coming up from the bottom of the tub, some models don't use these. We can make these as needed, but we would need dimensions on the existing supports. Each tub spacer if used on a standard multiport EFI setup will need injector spacers of the same height as well.

For tub spacers only, you add length to ALL bolts. For head spacers AND tub spacers, you need to add to ALL bolts, with extra given to the main 10 bolts. If you have any questions feel free to call!!!

PLEASE NOTE!!!! Most M6 bolts only come in 10mm length increments after about 70mm in length. Some bolts will have to be cut to a shorter length, for example cutting a 90mm bolt down to 85mm if needed. OR you may have to use extra washers to make sure the bolts are the overall correct length. You should have a minimum of 3/8" or 10mm of thread engagement, but make sure the bolts don't bottom out in a hole before actually tightening down.

If the lower tub uses plastic spacers to support the brick, please contact us and we will make them to order, as they are different heights depending on blower configuration.

MM to add for height to tub spacer/head plates.

1/4" add 5mm
1/2" add 15mm
3/4" add 20mm
1" add 25mm

- Remove the upper blower assembly. You don't have to remove the lower tub from the heads unless you are planning on changing the gaskets. Refer to the instructions that came with your Magnuson kit on how to remove the blower and upper tub. This may include removing some of the fuel and intercooler items.
- The Magnuson supplied gasket cord and 10 O-rings in the lower tub will be reused or replaced as needed. Contact Magnuson or SCOL for replacements if needed.
- Once the gasket and O-rings are in place, set the spacer on, making sure that it lines up all the way around.
- Phenolic material does not like gaskets or grooves cut into it, so there are no gaskets to go from the spacer to the upper tub.

- Clean the underside of the upper tub, making sure there is no oil/grease/coolant on it.
- Apply a small (and I mean SMALL) amount of RTV (any color, preferably grey or black) along the top of the spacer, careful not to move it out of alignment. Use your finger to spread it evenly, there only needs to be a very thin layer to seal. The phenolic will compress a bit and take shape of what its bolted to, the RTV is really only a formality.
- With the help of a friend, wife, etc (or if you are really buff), set the blower back down on the tub with the spacer installed. Take 2 or 3 of the long 6mm bolts, and work them down to where they start to thread into the heads. Use these to align the blower, spacer, and lower tub all together. The spacer should sit almost perfect to the lower tub all the way around.
- Install the rest of the long 6mm bolts, with washers, into the tub and start them all into the heads.
- Install the front and rear bolts, with washers.
- Hand tighten all 14 bolts.
- Wiggle the blower back and forth, to make sure its "centered" on the engine. There is quite a bit of movement in these setups, and if they are not aligned they can cause belt issues.
- Once everything is aligned, start at the middle of the tub, and working in a criss-cross pattern, torque the bolts in 2 stages, 44inlb, then 89inlb. NOT FOOT POUNDS. This should be done with a 1/4 torque wrench. MAKE SURE THAT THE 10 LONG BOLTS DO NOT BOTTOM OUT BEFORE ACTUALLY TIGHTENING DOWN. If the bolts stop spinning or reach torque and the washer is still loose, add the additional washer, or 2 to each bolt. 105mm is the perfect length for the tub bolts, but they are not a size that is made.
- Reverse the rest of the procedure from when the blower was removed.
- Since phenolic will compress a bit to form to its mating surfaces, after 2-300 miles of driving (or about 10 heat cycles), recheck the torque on all 14 bolts to 89inlb.

Again, if you have any questions or issues, feel free to contact us via FB messenger or text message for the fastest response!!!