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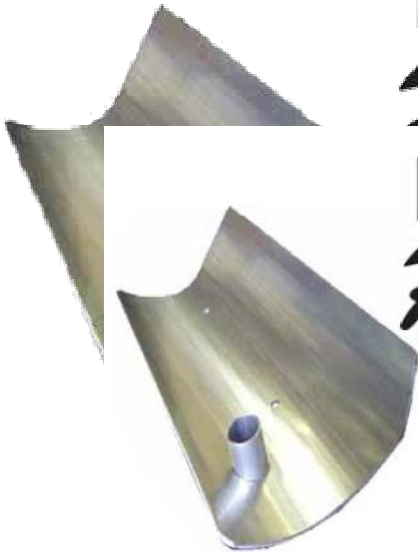
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BILLET ALUMINUM VALLEY PAN INSTALLATION INSTRUCTIONS



Thank you for purchasing the Butler Performance Billet Aluminum Valley Pan. Due to casting variances in stock blocks, the valley pan may need to be fitted to your block. To install, first install supplied studs into the engine block to a depth of no more than .750" (3/4 INCH) **IF THEY ARE INSTALLED ANY FURTHER, CAMSHAFT BEARING DAMAGE MAY OCCUR!!**

Then (option #1) glue gasket to mating side of valley pan with an adhesive or gasket sealant and allow to dry. Remove any oil or old gasket material from the engine where the pan will be placed. Apply a thin layer of sealant to the front and rear of the pan mating surface of the block-including all four corners.

(Option #2, which we prefer) **In Most applications, the valley pan will provide a better seal without a gasket. If no gasket is used, apply only a small amount of sealant on the mating surface to avoid dripping excess sealant into the lifter valley** When placing the pan into position only the sides will touch and it will appear to not fit: tightening the pan will seat it correctly in front and rear. Apply a small amount of sealer on nuts and washers. Slowly stagger-tighten the nuts, being cautious not to over tighten them. A poor oil seal could result from the pan "curling inward" if the nuts have been installed too tightly.

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