



**BAFFLE INSTRUCTIONS
STR.06.11.001**

The Star Machine Baffle is designed to reduce the amount of oil scavenged from the crankcase by the vacuum pump. The Baffle is shielded on four sides and open on only one side. This Baffle is not a cure-all for engines that leak or have excessive blow-by. The baffle is designed to be installed on a vertical surface, NOT on the TOP of a valve cover above a rocker arm.

Be sure the location you have chosen does not interfere with anything **before** cutting. Allow enough room from any edges so the baffle block can be rotated 360°. This will allow the block to be rotated to the best position that blocks the most oil from entering the baffle.

The Baffle is designed to be installed in a 1-1/16" hole and seals via the O-ring provided. If you are using a hole saw to cut the opening we recommend using a 1" saw and file fit the remainder of the opening as most hole saws tend to cut oversize. The most common location is the front face of the valve cover (the surface that lies in the same plane as the water pump). Start with the baffle block opening facing down toward the cylinder head. This is the best position to start, it may be necessary to rotate the block to reduce oil entering the baffle.

The gap between the radius end of the fitting and the back of the baffle block will vary depending on the thickness of the material in which it is installed. The gap should be greater than 0.18" to not hinder the flow of your vacuum pump. Trim the threads from the of the fitting if necessary. Loctite the threads once the best position is chosen. Or the baffle can be tack welded to an aluminum valve cover but only after you have raced the vehicle and are satisfied with the position.

FOR MORE DETAILED INFORMATION ON ALL OUR PRODUCTS VISIT US AT STARVACUUMPUMPS.COM

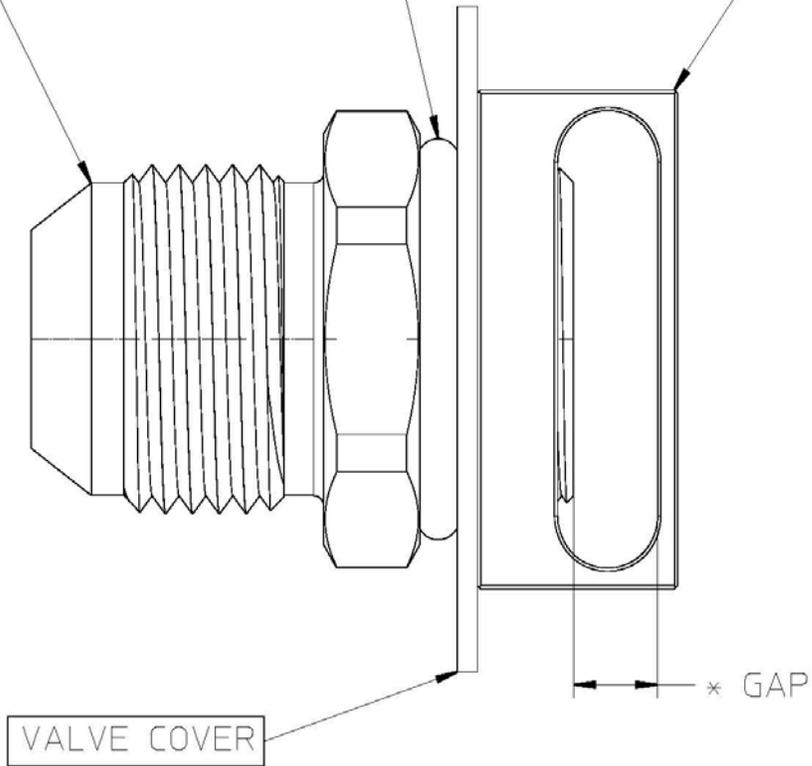
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STR.07.10.001 (REV. 0)

SIZE 213 ORING

STR.06.11.000



* GAP MUST BE GREATER THAN 0.18" TO ALLOW MAXIMUM FLOW OF VACUUM PUMP.
 REMOVE THREAD MATERIAL TO OBTAIN MINIMUM GAP. USE MEDIUM STRENGTH REMOVABLE
 THREAD LOCKER TO KEEP FITTING ATTACHED.

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REV.	REVISION DESCRIPTION	DATE

STAR MACHINE
 7810 OAK AVENUE
 PARKVILLE, MD. 21234

DESCRIPTION OIL BAFFLE, ENGINE

HEAT TREATING MATERIAL

HARDNESS DEPTH DESIGNED BY T HIGDON

SURFACE PREPARATION SCALE SHEET 1 OF 1 SIZE A

FINISH DRAWING NO.

STR06.11.001

TOLERANCES UNLESS SPECIFIED	LINEAR (INCHES)	ANGULAR
	0.05--10 ± 0.005 11--20 ± 0.010 21--30 ± 0.015 31--40 ± 0.020 44--50 ± 0.030 51--100 ± 0.050	0-90 ± 0.25° 91-180 ± 0.50° 181-270 ± 0.75° 271-360 ± 1.00°
BREAK ALL EDGES UNLESS SPECIFIED	GEOMETRIC (INCHES)	
	□ 0.05-10 ± 0.005 □ 11--20 ± 0.010 □ 21--30 ± 0.015 □ 31--40 ± 0.020 □ 44--50 ± 0.030 □ 51--100 ± 0.050	□ 0.05-20 0.005 □ 21--40 0.010 □ 41--50 0.015 □ 51--100 0.020 ⊙ 0.002 ⊖ 0-100 0.010

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