

Pro-Vent® Evo Rocker Boxes

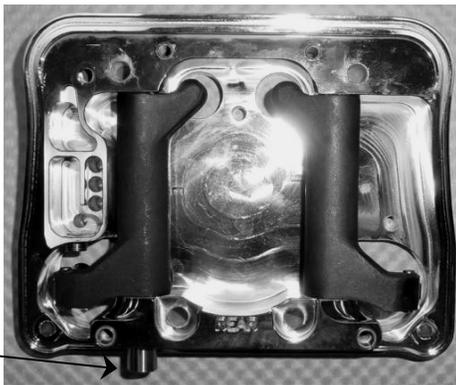
Thank you for purchasing TP Engineering's award-winning billet aluminum rocker boxes, featuring patented Pro-Vent® technology. Please take a moment to verify you have received the listed in the following parts list:

8	1/4" x 7/8" 82°-Head Chrome Bolts	2	Rocker Box Tops	4	Rocker Shafts
6	1/4" x 1 1/2" Bolts	2	Rocker Box Bottoms	8	Top Bolt O-Rings
4	5/16" x 2 1/2" Bolts	2	Base Gaskets	2	Large O-Rings
4	5/16" x 2 1/4" Bolts	8	5/16" Washers	2	Die-Cut O-Rings
4	1/4" x 1" Bolts	4	1/4" Washers		
		4	6mm Washers		

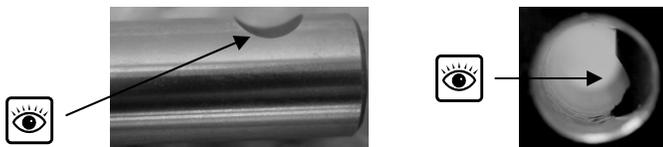
Each Pro-Vent® Rocker Box top and bottom is made specifically for either the front or rear cylinder; Tops are marked with the letters 'F' and 'R', and bottoms with the words "FRONT" and "REAR", respectively.

Instructions

1. Clean gasket surface on top of cylinder head.
2. Clean (if necessary) and lubricate rocker arm bushings. Using supplied TP Engineering rocker shafts ONLY, fit each rocker arm in rocker box and slide shaft, solid end first, through stanchion and into rocker arm bushing until only about an inch remains protruding (below)



3. Align notch in rocker shaft (below) by looking through bolt hole and rotating shaft until notch



is positioned to accept 5/16 bolt.

4. Place the rocker box bottom on a flat, clean surface. Apply Loctite 242 (blue) sparingly to

threads of 1/4 and 5/16 bolts used to attach rocker box bottoms to cylinder heads. Insert the appropriate bolts and washers in their corresponding holes by referencing the supplied bolt charts (figures 2 and 3) before placing rocker box bottom on head. Note: there is no washer on the 1/4 x 1 1/2" allen-head bolt in-

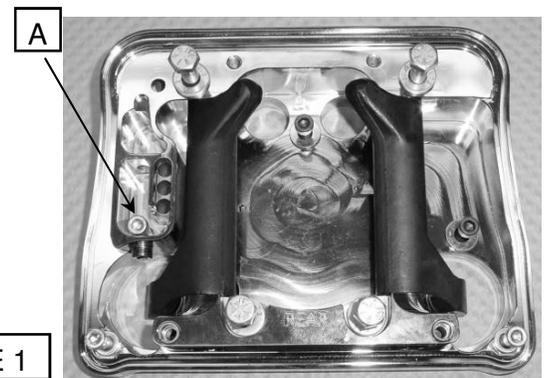
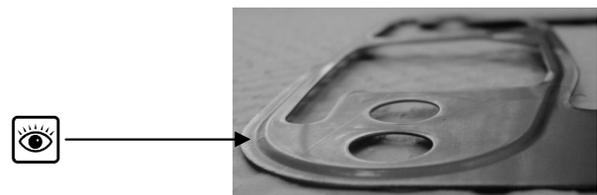


FIGURE 1

side the Pro-Vent chamber (FIGURE 1 A.)

5. Place base gasket on cylinder head taking care that each hole in the gasket lines up with the appropriate hole in the head. Make sure



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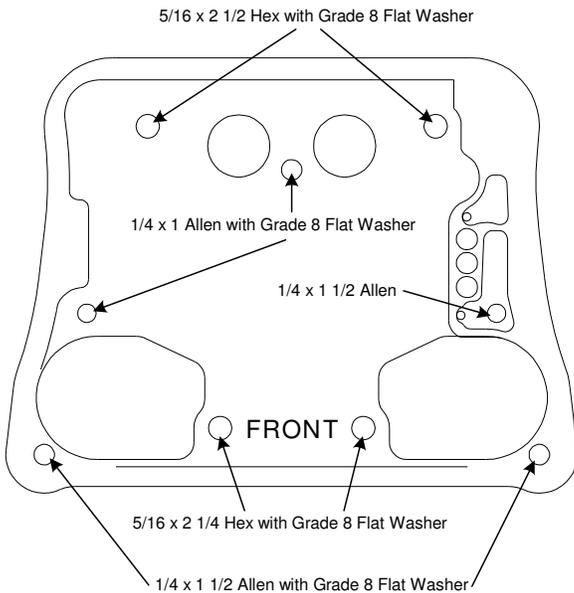


FIGURE 2

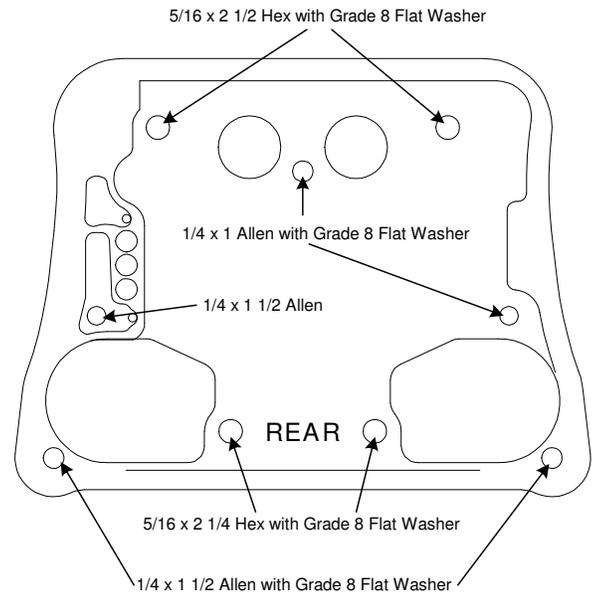
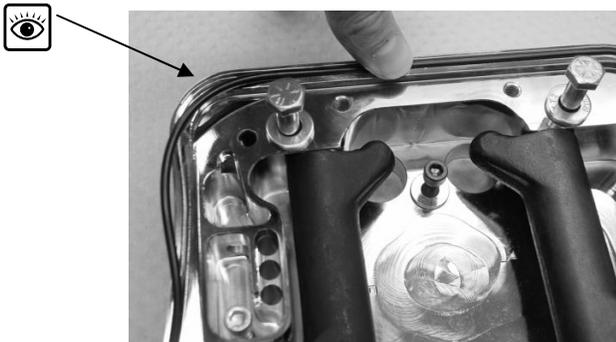


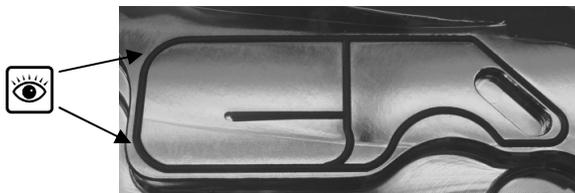
FIGURE 3

gaskets are installed raised or embossed-side up for proper seal.

6. Install o-rings in rocker box bottom. O-rings must be installed dry (no lubricants) and fit



into the machined channels carefully. The best method is to press the o-rings in with your thumb, working the rubber into the channel so it fits snugly around the entire box. When installed correctly, the O-Rings will seat evenly and fill the entire channel.



7. Install die-cut o-ring into rocker box top Pro-Vent[®] chamber channel (below.) Make sure o-ring seats completely in entire channel.
8. Place assembled rocker box bottom on top of cylinder head while making sure pushrod ends are received into sockets on rocker arms. Thread bolts into cylinder head finger-tight. NOTE: valve lifters will be compressed while tightening bolts in next step.
9. Following the sequence shown in figure 4, al-

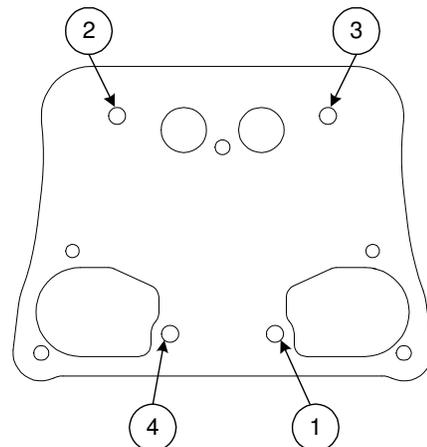


FIGURE 4

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ternately tighten each of the four 5/16" hex bolts just 1/4 turn. Continue turning the bolts in these increments until snug. Following the same numerical sequence, tighten the bolts to 18-22 ft lbs.

10. Finger-tighten the eight 1/4" allen-head bolts that hold each rocker box bottom to the top of each cylinder head.

11. Following the numerical sequence shown in

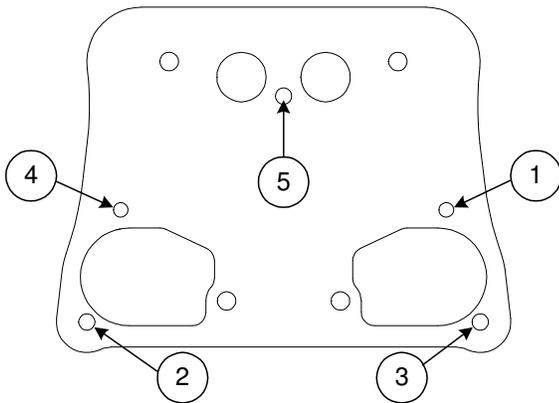


FIGURE 5

FIGURE 5, tighten each of the eight 1/4" allen-head bolts to 80-110 in lbs.

12. Identify the matching lid for each rocker box bottom by the letter 'F' or 'R' engraved next to Pro-Vent[®] chamber. Place Front lid on top of



front rocker box bottom and Rear lid on top of rear rocker box bottom making sure that the locating dowels in each base (shown in FIGURE 6A) are accepted into the receiving holes in each lid (shown in FIGURE 6B).



FIGURE 6A

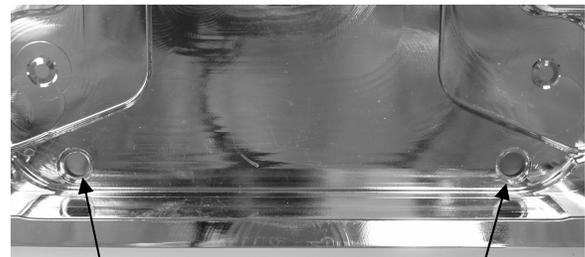


FIGURE 6B

13. Fully insert an o-ring (shown in FIGURE 7) into each recessed hole in the rocker box lid (see FIGURE 7A). Make sure each o-ring is fully seated in the hole for proper alignment.



FIGURE 7

Secure the rocker box lids to the rocker box bottoms using the chrome 82°– Allen Head bolts. Tighten each bolt to 80-90 in lbs.

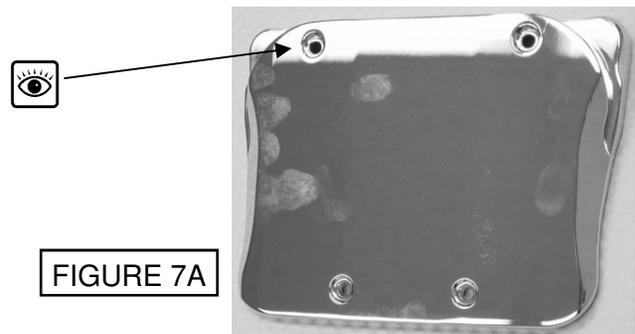


FIGURE 7A