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For tech help, contact:

PRW

Toll Free (888) 377-9779

# PRW Aluminum Stud Girdle Installation Instructions

## Each Box Contains:

- 1 Stud Girdle for each cylinder head (either split design or 1-piece)
- 1 Stud Girdle Polylock for each valve (16 total)

## Step 1

Clean and inspect all parts.

## Step 2

Back the set screw in the polylock all the way to the top of the hex end. This will provide the proper room to set the lash on the valve.

**NOTE:** All rocker arm adjusters must be checked for proper clearance between the "base" of the rocker arm adjuster (also referred to as polylocks) and the inside of the upper rocker arm pivot slot. Clearance between the "base" or lower portion of the rocker arm adjuster and the inside radius of the upper rocker arm pivot slot is critical to the proper operation of the valve train. Rockers must maintain full range of motion without any binding or interference between the rocker body and rocker arm adjusters.

While many rocker arm designs accommodate the larger polylock "base" diameter, some rocker bodies incorporate narrower pivot "slots" in their design. Please contact PRW directly if you find that your rocker arms require the smaller diameter polylock "base" and these rocker arm "adjusters" will be exchanged at no charge.

**ADDITIONAL CLARIFICATION:** Before installing this aluminum stud girdle, please check to confirm that the "base" of the stud girdle rocker arm "adjusters" (polylocks included with this product) fit inside the upper rocker arm pivot "slot" and move "freely" in your rocker arm. If there is little or no clearance, you may need to contact PRW to exchange these "adjusters" for the latest design. Please contact PRW Customer Service directly at 888-377-9779 or email [info@PRWnetwork.com](mailto:info@PRWnetwork.com).

## Step 3

### Pontiac, Small Block Chevy, & Small Block Ford

After all rocker arms are in place, check to be sure that the flat side of the rocker arm trunion is facing up for the polylock to sit on. Screw the polylocks down onto the

rockers leaving them finger tight and do not adjust the screw.

### Canted Valve Engines – Big Block Chevy & 429-460 Ford

Due to the complex valve arrangement, the installation procedure is a little different. After all rocker arms are in place, check to be sure that the flat side of the rocker arm trunion is facing up for the polylock to sit on. At this point, install only the top row of polylocks. These are the studs for the intake and require the longer polylocks (except for the 429-460 which may have the same length studs).

## Step 4

### Pontiac, Small Block Chevy, & Small Block Ford

Slide the stud girdle onto the polylocks (Make sure the machined side is facing up). It may be necessary to wiggle the stud girdle to line up all of the polylocks, but do not force it.

### Canted Valve Engines – Big Block Chevy & 429-460 Ford

Without using force, slide the stud girdle onto the top row of polylocks (Make sure the machined side is facing up). Move the stud girdle down until the bottom row of studs is centered in the bottom row of holes. Then slide the remaining polylocks through the bottom holes and thread them onto the studs. Note the angled holes in the stud girdle. The angled holes require adjustment of the stud girdle up and down so that the lower row of polylocks will line up with their corresponding studs. At this point it may be necessary to wiggle the stud girdle to line up all of the polylocks. Using this technique, they should all start and go on correctly.

## Step 5

With all of the polylocks installed and hand tight on the rocker arm, gently move the stud girdle up or down to make sure it is centered on the polylocks. When this is done, lightly snug up the through bolts that are located on the sides of the stud girdles.

## Step 6

Next, you must check the clearances between the rocker arms, stud girdle, and polylocks. With an eye on the pushrod side of the rockers, rotate the engine through at least two complete revolutions to make sure the stud girdle is not too far down on the polylocks. The rocker arm must never come in contact with the bottom side of the stud

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girdle. It is also recommended that you check the slot in the top of the rocker arms to ensure there is no contact between the rocker arms and the sides of the polylocks.

### Step 7

Check your camshaft installation instructions to obtain the specified setting for your valve lash and adjust accordingly. (Note that the stud girdle is not meant to keep the Polylocks from rotating. It is designed to minimize rocker stud flexing. It is imperative that the polylocks and set screws are properly installed. If not, they will not stay tight and the end result will be improper adjustment.)

### Step 8

Finally, check the valve cover and stud girdle clearance. The stud girdle should not interfere with the valve cover. If

you find any contact between these two parts, call your local PRW distributor for a suitable valve cover replacement.

If you need technical information, or additional information regarding the installation of this product, call us toll-free at:

(888) 377-9779

or

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