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Evolution EV80 EZ-INSTALL pushrods
Installation instructions

TOOLS NEEDED:

Various wrenches and tools for removing gas tanks and rocker boxes (optional).
Wire or clips for holding pushrod tubes up when making final length adjustments.
Pliers for removing pushrod cover tubes securing clips.
Two 1/2 inch open end wrenches.
One 9/32nds open end wrench.

1. Remove existing pushrods. There are two ways to do this. Pick one.
 - a. Remove gas tanks and also rocker boxes so that stock pushrods can slide out from the top.
 - b. A faster method of removing stock pushrods is to slide the cover tubes up and cut the stock pushrods with a bolt cutter. This method does not require removing gas tanks or rocker boxes. In this case however, the stock pushrods will not be reusable.
2. If you intend to save the four stock (non-adjustable) pushrods (method a.), they should be identified for future reference since they may all be different lengths.
3. Adjust each new pushrod to its shortest length by turning lower adjuster screw in as far as possible before installation.
4. The two shorter pushrods are intakes, the longer rods are exhausts. EV80 aluminum pushrods are anodized with a purple color while the chrome moly steel rods are silver.
5. Each pushrod can now be assembled into one of the cover tubes and swung into place over the top of the lifter block housing. Now holding the lower adjuster screw (9/32nds wrench), turn pushrod until it is long enough to stay in place before making a final length adjustment.
6. If you have not done so already, remove sparkplugs so engine can be turned over easily. With all four new pushrods in place, rotate the engine so any one cam lobe is positioned at its lowest lift point. Then adjust pushrod tip longer to remove all freeplay. At this point, pushrod will be finger tight in the lifter seat. A 9/32nds wrench can be used to hold the lower adjuster screw while turning the pushrod in order to turn the adjuster screw to a longer setting.
7. When pushrod is snug (seated at both ends), turn the pushrod out (longer) by 4 full turns (or 24 flats on the hex lock nut). Tighten adjuster locknut against the lower tip using two 1/2 inch wrenches. Do not exceed 15 ft. lbs. of torque!
8. If the valve unseated during the final adjustment, wait 10/15 minutes for hydraulic lifter piston to bleed down and seat the valve before adjusting the second valve in that head. Repeat this procedure for each remaining pushrod. With all four pushrods correctly adjusted, engine should turn freely without any binding.
9. Secure all four cover tubes with the spring clips and your installation is complete. (Pusher80.p65-8/02)