



Installation Instructions

Roller Bearing Rocker Arm Conversion Kit

For more information, see www.cranecams.com

These instructions cover the installation of Crane Cams roller bearing fulcrums for Ford engines equipped with bolt-mounted, pedestal style rocker arms, such as 1977-up 302-351W, 1970-82 351C-351M-400 and 1973-up 429-460 style engines. If you have any questions regarding this product, please contact our Tech Department.

Each pedestal unit has been matched and pre-assembled for ease of installation. Care must be taken to keep each assembly together. Do not mix the components. We recommend the bolt remain in place to assist you. If it becomes necessary to remove a bearing assembly from the shaft, care must be taken to insure all of the needle bearings remain in place.

Note: This set also includes a Rocker Arm Shim Kit for establishing correct lifter preload. If the engine has been modified with other components or rebuilt, follow the instructions with the shims when performing step 5.

Installation Procedure

1. Remove the valve covers and make sure all old gasket material is removed. Care must be taken to keep debris from the engine. Engines equipped with fuel injection will require extra caution around high-pressure fuel lines.
2. We recommend installing the rocker arm conversion units one cylinder at a time. Before attempting to loosen the intake rocker arm, rotate the engine until the exhaust valve starts to open. You can now remove the intake rocker arm.
3. Remove the stock fulcrum and inspect the inside of the rocker arm for excessive wear. Replace any worn rocker arms. Note: This step is not required if you are installing new Crane rocker arms. You may proceed to step 4.
4. Lower the Crane fulcrum assembly into the rocker arm, removing the rubber retaining band at the same time. If you are installing the fulcrum assembly into your existing rocker arm, make sure it drops in freely.
5. Reinstall the rocker arm, making sure the pushrod is properly inserted in the socket and the bottom of the fulcrum is properly aligned. Torque the bolt to 25 foot/pounds.
6. Rotate the engine until the intake rocker arm has opened fully and is almost closed again. The engine is now in position for you to remove the exhaust rocker arm. Repeat steps 1 through 5 on the exhaust rocker assembly.
7. Repeat steps 1 through 6 on the remaining cylinders, one at a time.
8. Reinstall the valve covers using new gaskets. Reassemble the remaining engine components to their original position, as outlined in your service manual.

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