Technical Service Bulletin

Cobra Motorcycle Mfg.

240 Uran street
Hillsdale, MI 49242

(517) 437-9100 phone
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TSB0811 2011 Connecting Rod Wrist Pin Bearing

Cobra has received, and passed on to its customers, a bad batch of ECMU0077 connecting rod wrist pin bearings for 50cc engine.

These bearings have recently started failing in use when the cage holding the needles breaks, causing substantial damage to the piston, cylinder head, cylinder, and crank. Engines with this bearing should not be used any further until this bearing has been replaced.

All Cobra 50 engines built since December 2nd could have these defective bearings. Customers with 2011 Kings, 2011 JRs, ECX50s, or any spare 50cc engine produced after this date should replace their top end connecting rod bearing, or have it replaced by their dealer or at the Cobra factory. King or JR customers can compare their VIN to the that in the table at the end of this TSB to determine if their engine may have the issue.

Customers requesting to replace this bearing themselves may call to the Cobra Factory to receive their free Top End Connecting Rod Bearing Kit which includes; connecting rod bearing, one wrist pin clip, base gasket (please specify which one is required), and cylinder to insert o'ring (ZCMUOR05). **Before calling, please have the bike's VIN from the steering head**. Cobra will pay ground shipping.

Customers that choose to have their local dealer make the replacement may call, or have their dealer call, in to have Cobra send the Top End Connecting Rod Bearing Kit. **Before calling, please have the bike's VIN from the steering head**. Cobra will pay ground shipping.

If customers choose to send their engines to Cobra for the upgrade, please call ahead to schedule. **Before calling, please have the bike's VIN from the steering head**. Cobra will pay for ground return shipping of the engine. Engines requiring additional maintenance will be charged for required parts. Cobra will pay ground shipping.

This also affects Cobra customers that purchased ECMU0077 connecting rod bearings through customer service. Customers or dealers having purchased ECMU0077 bearings after December 2 will receive free replacements. These will be ground shipped to the dealer associated with the order.

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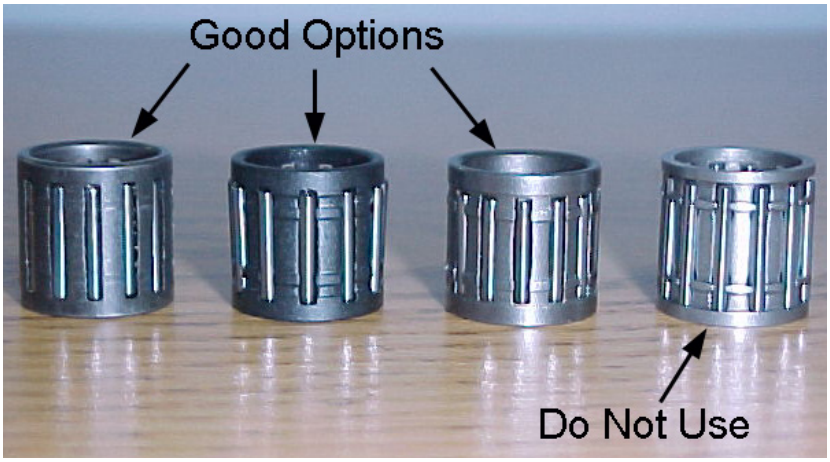
Customers needing an immediate solution can also purchase an acceptable wrist pin bearing from Wiseco (their part number B1041). Be sure to replace the wrist pin circlip with a new one for reassembly (Wiseco part number CW12)

The bearings are noticeably different as can be noticed in the picture below.



Below is a list of Kings and JRs with known defective connecting rod bearings.

	VIN
King	AC42711100 and up
JR	CM70911086 and up

If you are receiving this bulletin and wrist pin bearing(s), our system shows that you must have received this quantity of the defective bearings. Please return to Cobra, or destroy and discard the defective bearing(s) ASAP. If the defective bearing(s) have been installed in a product, DO NOT RUN the product again until the bearing has been replaced.