



ROLLER BEARING KIT

Instructions

1. Dual row and single row RND Roller Bearings Kits are not interchangeable.
2. Late model 2006-2008 intermediate shafts fitted with LN Adapter Bushing part number 106-08.30.B can be fitted with the single row RND Roller Bearing.
3. Prior to installation, carry out pre-procedure qualification. NOT PRE-QUALIFYING OR REGISTERING AN INSTALLATION VOIDS ANY WARRANTY.
4. Carry out IMS bearing replacement procedure using LN Engineering 106-08.13 IMS Pro Toolkit.
5. If installing a Dual row RND Roller Bearing Kit, install supplied bearing first, then followed by the spacer and finally, the provided spiro-loc. If installed incorrectly, bearing failure will occur.
6. Be sure to use the new micro-encapsulated bolts provided and torque to 7.5 ft/lb (10 N/m)
8. The center bearing support 12 point should be installed and torqued to the factory spec (currently 7.5 ft/lb). Use flange sealant (Loctite 574 or Curil T) on bottom of head of the bolt and use wicking (green) Loctite on the exposed threads of the center bearing support/stud and 12 point nut.
9. Reinstall chain tensioners with new sealing rings and torque to the factory spec of 59 ft/lb.
10. Install new cam plugs in cylinder head valve covers.
11. Replace accessible rear case perimeter bolts with new factory micro-encapsulated bolts.
12. Replace rear main seal with updated rear main seal.
13. Engine timing should be verified after installation and re-timed if cam timing is not correct. If timing has changed from before to after doing the procedure or excessive deviation exists, re-time cams per factory procedure.
14. Re-fill engine with new engine oil of appropriate weight and viscosity.

Bearing replacement recommended every 4 years or 50,000 miles in normal duty.



Please fill in and return **original IMS bearing and flange un-cleaned in a zip lock bag to LN Engineering along with a copy of the invoice showing professional installation of your retrofit kit. Please place original bearing in a zip-lock bag to prevent oil from leaking out of the box as well as to prevent further contamination. Must be returned within 30 days of install date.**

Thank you for your participation in this optional registration program.

Fields marked with an * are required. Incomplete forms or those submitted without bearing will not be accepted.

*Shop/Dealer/Reseller Name:

*Date:

*Customer Name:

*Vehicle Year:

*Vehicle Model:

*Vehicle Vin:

*IMS serial number: place removable copy of asset tag here ---->

*Engine Size:

*Engine Number:

*Mileage on current engine:

*Bearing conditions/observations:

*Please select IMS upgrade path chosen:

RND Roller Bearing Kit, Single Row

RND Roller Bearing Kit, Dual Row

LN Engineering LLC Invoice No. :

How often has the oil been changed on this engine? (Time/Mileage)

What oil was used?

Please return to:

**LN Engineering LLC
125 Gladiolus St.
PO Box 401
Momence, IL 60954**

LN Engineering LLC is not responsible for lost shipments. UPS Ground is recommended for return shipments. Limited warranty is valid thirty (30) days from date of purchase. Warranty valid only on IMS retrofit kits installed as preventative maintenance only when original bearing has not started to fail or has already failed.

Questions? Please contact LN Engineering LLC at 815-472-2939 or via email at info@LNengineering.com.

