

RSH-350, RSH-249 & RSH-PILOT Rear Main Seal Holders & Alignment Pilot Instructions

GOODSON

Tools and Supplies for Engine Builders

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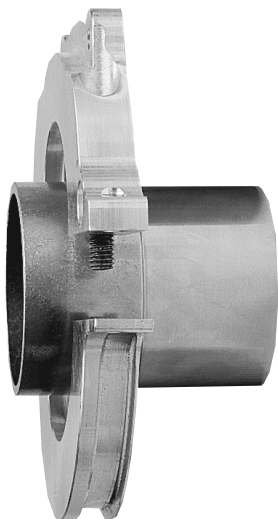
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RSH-350 RSH-249

**Please read instructions
carefully before using.**

CAUTION!

Great care should be used in the alignment of the 2 piece seal holder. We recommend use of RSH-PILOT installation tool for exact alignment.



Installation Instructions

1. Check mounting surface on back of block. Sometimes the factory does not finish machining the area above the two upper mounting holes. If this is apparent, then take a file or deburring tool and flatten this area.
2. Install small diameter of alignment tool RSH-PILOT into rear main bearing housing bore without a bearing. The large diameter of the installation tool will now protrude from the rear of the casting. Install the rear main bearing cap and torque main bearing bolts to 50 lb/ft.
3. Apply light amount of oil on the protruding (large diameter) of tool.
4. Apply a light film of RTV sealer to block contact half of the RSH-350 / RSH-249 seal holder. At this point install two halves of seal holder together and evenly tighten the retaining bolts so that the RSH-350 / RSH-249 will slide on the alignment tool but not tight against it.
5. Gently slide the RSH-350 / RSH-249 against the block (NOTE: Do NOT install holder alignment dowel in block.) making certain that there is no movement of the RSH-PILOT tool as you do so.
CAUTION: There may be a small difference between the oil pan rail of the block casting and the seal holder; this is normal and will be taken up by the oil pan gasket. DO NOT ATTEMPT TO ALTER THE ALIGNMENT OF THE SEAL HOLDER FOR THIS REASON.
6. Install Loctite #262 or equivalent on all four mounting bolts. Install bolts in rear of block casting, and torque to specifications in an appropriate sequential pattern.

Goodson assumes no liability for the accuracy of the installation of the RSH-350 and RSH-249 Seal Holder.

Without the use of RSH-PILOT Alignment Tool or the appropriate use of a dial indicator to verify the alignment of the seal holder with the centerline of the crankshaft severe oil leaks and engine failure may occur.



RSH-350*
Used with late model pan.

RSH-249*
Used with early style pan.



***Must be used with RSH-PILOT.**