

GraphTite™ Rope Rear Main Seal Installation **(with engine on stand)**

General Instructions – not application specific

Detailed instructions for “in-car” installation are not provided. In-car installation should only be performed by a professional mechanic experienced in this procedure.

- A roll pin is enclosed to keep the rope seal properly seated and prevent rope from shifting. Drill a 1/16” hole at the bottom of the rear main cap (or retainer) receiver groove at a depth so that about 1/8” of the pin is showing. Press in pin *Note: if retainer has insufficient depth to receive the drilled hole without drilling through (Flathead Ford, for example), instead apply “Ultra” RTV sealant across the length of rope to cement rope in place. Pre-form rope (see next step), remove rope and apply sealant, replace rope, trim rope (see 3rd step).*
- Open a small hole on the back side of the rope to receive the pin. Press and form rope into place using a smooth rod, like a socket extension, to compact rope to approximate the crankshaft diameter.
- Trim rope about .015” beyond flush using spacer. Cut through rope and slightly into wood stick to ensure a clean cut. (*Stick, spacer, and knife provided, see photo below*).
- Press protruding ends of rope down flush. Push any loose strands toward the center of rope end. Apply red assembly lube (or engine oil) to rope sealing surface and to crankshaft surface. Do not use grease.



- Coat all cap (or seal retainer)-to-block mating surfaces with sealant. Do not apply sealant on rope ends. Continue with rear main cap (or seal retainer) installation.

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