

HIGH VOLUME OIL PUMP KIT

Triumph TR8, Rover SD1, Rover V8

Part Number: RB7480

Please Note:

Read carefully, improper installation will lead to oil pump and/or engine failure.

A thorough cleaning of the timing cover, oil pump and surrounding area is essential before any disassembly is started. Removal of the timing cover is recommended for easier rebuild. Use caution and follow the manufacturer's instructions for removal.



Place the timing cover on a clean flat surface and remove the oil pump cover, old gaskets, valve, spring, and nut, do not force removal of the gears a varnish build up can cause damage to the aluminium bearing surfaces. Solvent should be used to remove the varnish until easy removal of the components is possible.

Please note: Follow manufacturers recommendations in the use of solvents.

Reassemble the bottom cover using the proper new std spring. [available at extra cost] gaskets and valve. It is worthwhile grinding the relief valve into its seat with valve grinding paste, to ensure a proper seat. Be sure to wash all components afterwards, and liberally lubricate with engine oil. Make sure the relief valve moves freely in the cover, prior to being smeared with oil.

QUALITY PARTS AND ACCESSORIES

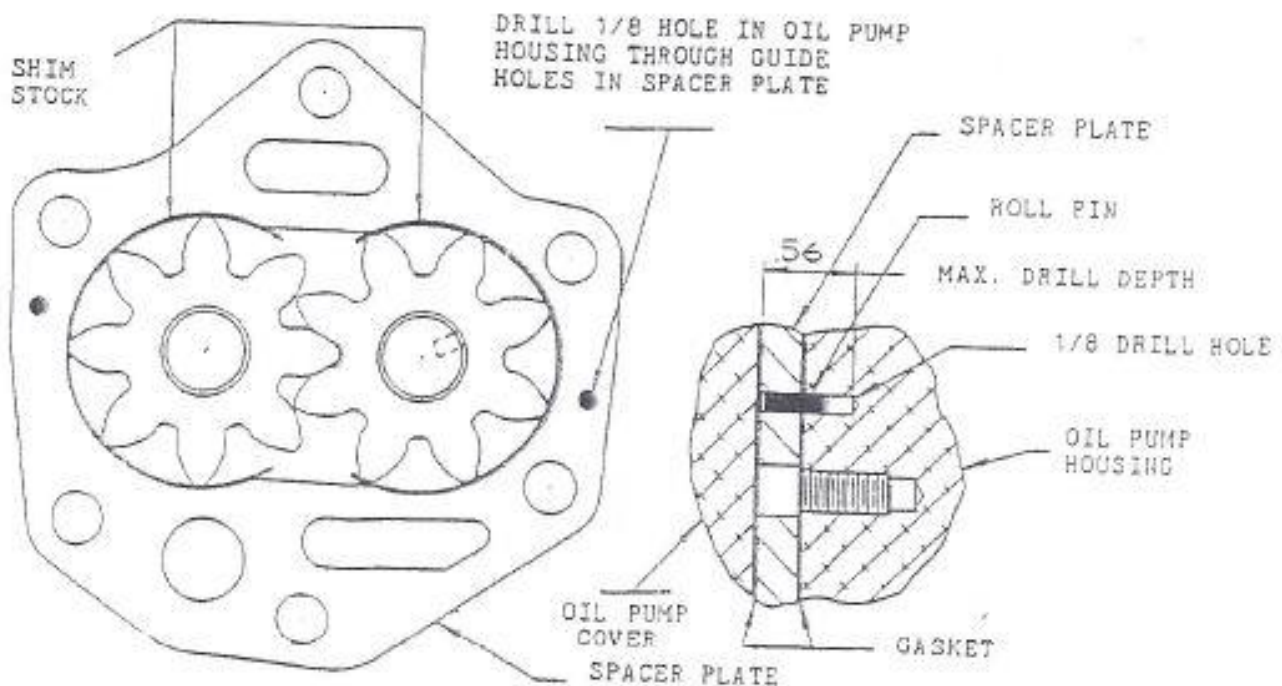


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After a thorough cleaning of the gasket surfaces, install a new gasket and the spacer plate on the oil pump housing mounting surface. Install the new gears and wrap the sheet shim around the gears as shown. Make sure the shim is flush with the top of the spacer plate. Install the two 1/4-20 x 5/8 bolts at opposite corners and tighten. Remove the shim temporarily to make sure the gears can rotate freely with no contact with the spacer plate. Re install the shim and using the pre-drilled holes in the spacer plates, drill two 1/8" holes with the drill provided, to a depth of 9/16" from the spacer plate top surface, into the oil pump housing on the timing cover. Install the two roll pin making sure they do not protrude above the surface of the spacer plate. Remove the shims and make sure the gears rotate freely. Make sure all components are clean and commence assembly. Remove the two 1/4-20 x 5/8 bolts. Pack the oil pump full of Vaseline level with the end of the gears. Install the new cover gasket, cover assembly and bolts. Torque to 10 ft lbs. check end play in the gear assembly. End play should be .001" minimum or up to .005" maximum. Oil pump shaft should turn freely. If it is binding, dismantle and investigate.



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