McCULLOCH CORPORATION

SERVICE BULLETIN

1476

MODEL: 797, Super 797 July 18, 1969

SUBJECT: PARTS DIFFERENCES

Important powerhead differences between the Model 797 and the Super 797 are shown in the drawing below, comparing the piston and connecting rod assemblies in these two models.

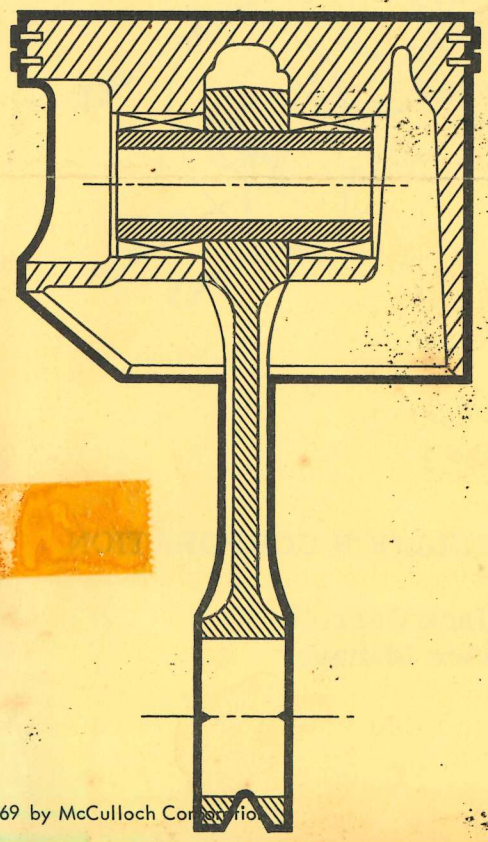
Note that the head of the Super 797 piston is thicker than that of the Model 797 and that the bearing bosses are located lower. This allows more metal between the bearings and the combustion chamber to reduce heat transfer.

Piston bearings on the Super 797 are slightly longer (approximately 1/16 inch) than the 797 bearings, and use a piston pin of smaller diameter.

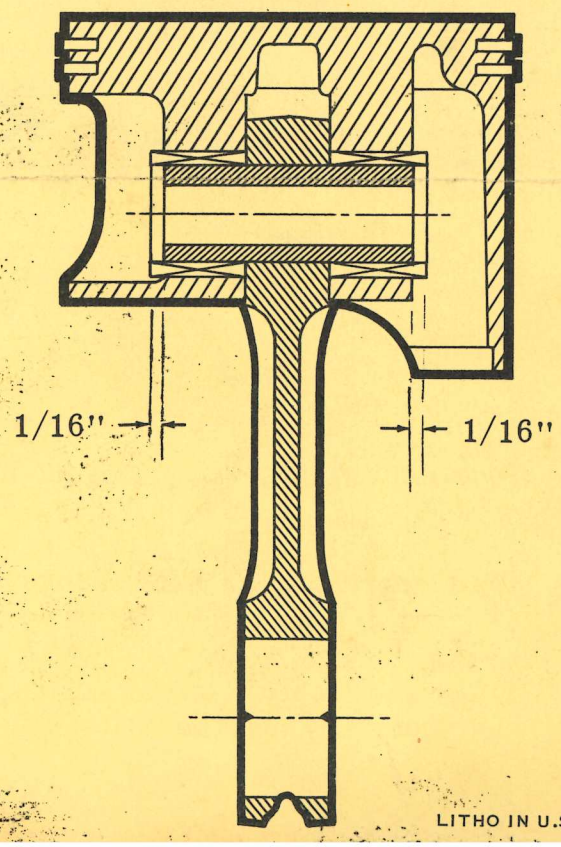
Note the position of the piston bearings in the Super 797 piston. When installed correctly, the Super 797 piston bearings protrude approximately 1/16 inch to the outside of the bearing boss. Because the piston pin and bearings are located lower in the piston, Super 797 engines use a shorter connecting rod.

The 797 and Super 797 pistons, connecting rods, bearings and pins are not interchangeable as individual service parts between models. However, the Super 797 connecting rod, piston pin and piston assembly will back fit on the 797.

797



Super 797

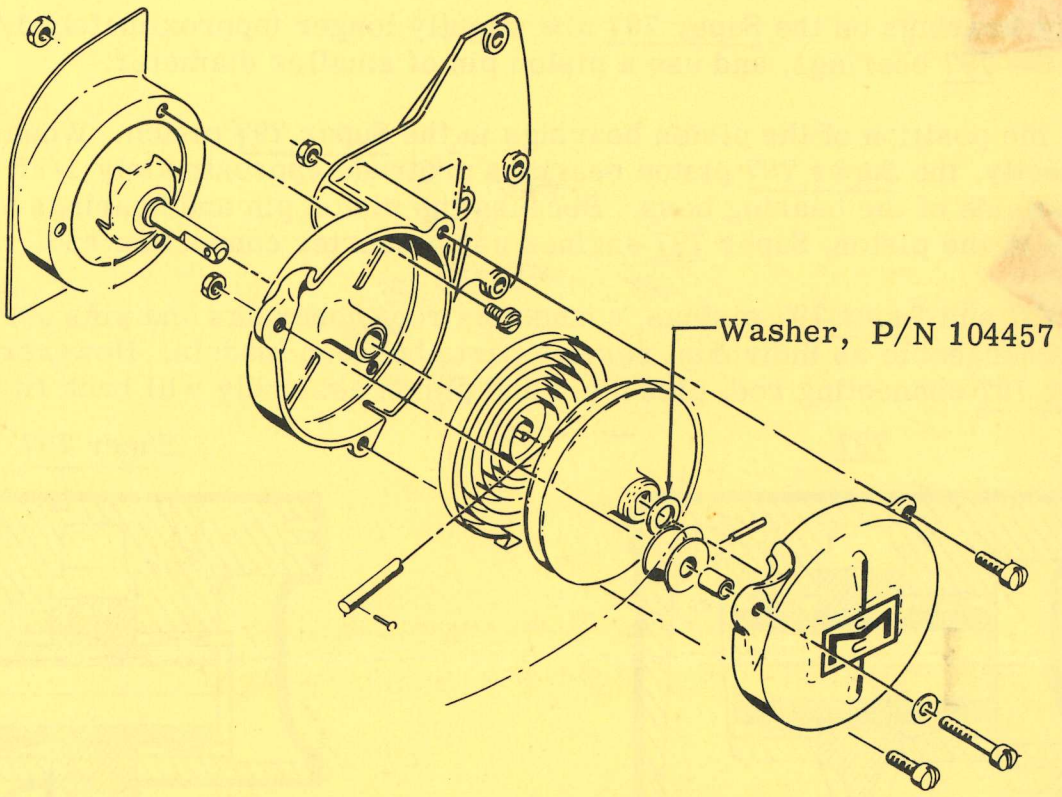


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Also, another difference between the Super 797 and the 797 saw is in the location of the spacing washer in the starter assembly. The washer was located on the inside (clutch side) of the starter base, but is now located on the outside of the starter drum. Refer to illustrated parts lists covering these models. This change was made to prevent the starter shaft assembly from rubbing on the clutch rotor.

While the location of the spacing washer is an assembly difference between the Super 797 and the 797 saws, it should be noted that any problem of interference between the starter shaft and the clutch rotor on Models 797, 795, etc., may be eliminated by moving the washer from its inside position to the outside position described above.



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By Jack Carroll
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