

Removal of drive lugs from a Rotax drive hub.

From the Airmaster installation manual:

Removal of Existing Drive Lugs. The drive lugs used with other propellers cannot be used with the 3 & 4 series Airmaster propellers and have to be replaced. The Rotax lugs are a press fit into the hub, and should not be removed by hammering out. An extracting tool is supplied that may be used to remove shear-bushes from propeller flanges. A variety of bolts, nuts, washers and spacers are supplied with the extracting tool to match with possible configurations of existing bushes.

Installation of Airmaster Drive Lugs. The drive lugs supplied with the propeller should be installed with jointing compound or anti-seize , and the installation is the reverse process to the above extraction.

What tool is used:



What you see above is nothing more than a socket with the sides cut out for easy viewing, that fits on the back of the propeller hub and includes a threaded 8 mm x 1.0 bolt and a 5/16 inch by 24 thread to pull the lug back in, a nut or two and washers.

To remove a drive lug without the Airmaster tool kit above, again, don't beat the Rotax lugs out with a hammer. If you do not have an Airmaster removal tool one can use a large 1/2 inch drive socket that is about an inch in diameter. Put the socket or the Airmaster extraction tool on the back of the drive lug as shown in the drawing below, and insert a bolt into the hole with washers as required and extract the lug. See drawing below. Use the bolt to apply sufficient force to slide the lug back out of the drive flange.

