

# Radial Engine Mounts

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Don mentioned making radial engine mounts from 1/4" stock. Once upon a time when the K&B Greenheads were the King of free flight engines, K&B used to sell such a mount. It appeared to be stamped from 1/8 or 3/32 sheet aluminum so that is what I use. I cut a disk with a hole saw and a drill press from 1/8" aluminum. First I center punch a center then scribe a circle with a compass that matches the bolt pattern of the rear crankcase cover and draw a center line. Next I drill a 1/8" pilot hole for the hole saw. I have several different sizes of hole saws and they all mount on this 1/4" drill, I think I got them at Sears or Ace Hardware, I know they weren't very much. When you cut the hole be darn sure you hold the sheet aluminum with a vice grips or something. BTW the hole saws I have cut a 1/16" kerf so be sure to allow for that. You can cut the fire wall with this same saw and it will be perfect match for your radial engine mount. Next I take the disk and spot glue, with CA glue, the rear crankcase cover to the disk over the circle I scribed. Select the correct size drill bit and drill through the rear cover bolt holes, just mark the bolt pattern with the drill bit and remove the rear cover and complete the drilling. Next I use the countersink to countersink the holes. I smooth up the disk with a file by mounting it on a 1/4 - 28 bolt. Chuck the bolt in the drill press and use it as a lathe. You can turn out a mount in less than an hour; they're lite, strong, and cheap.