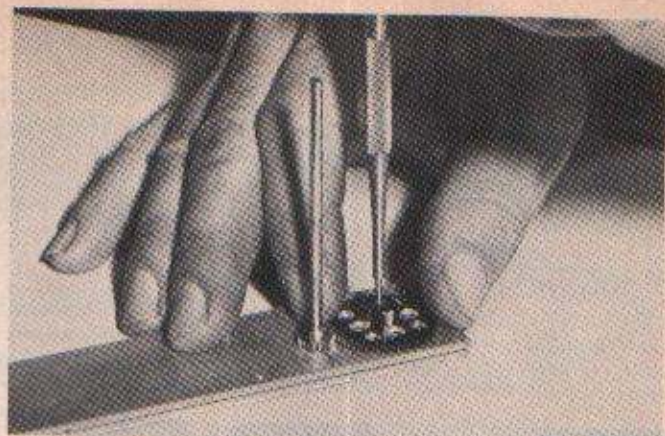


2) Install the 2-56 screw and nut in hole drilled out in step #1 and tighten. Then drill out opposite hole in endplate and install the 2-56 screw and nut in this hole also. With two screws positioning the endplate drill out the remaining two holes with same drill. Drill a $\frac{1}{8}$ -inch hole, use bushing as guide, in magnesium.



3) Place a 23 tooth Weldun gear on a $\frac{1}{8}$ -inch shaft and place the shaft in the hole drilled out in step #2. Next position a 69 tooth Weldun gear against the 23 tooth gear with the centers in line. Mark the position of the hole in the 69 tooth gear on the magnesium and then drill a $\frac{1}{8}$ -inch hole. Rear axle will go here.



4) Measure $8\frac{1}{4}$ -inches forward from rear axle hole drilled out in step #3, and $\frac{7}{16}$ -inch up from lower edge of magnesium and drill a $\frac{1}{8}$ -inch hole for the forward axle. Incidentally, holes should be deburred as you drill them so the magnesium sheets will be flat.



5) Using a $\frac{3}{4}$ -inch hole saw, Dremel tool or file, cut the $\frac{1}{8}$ -inch armature hole out to $\frac{3}{4}$ -inch. This will be used for easy removal of the armature from car without complete disassembly. Individually drill out rear axle holes for bearings. I ream them out for $\frac{3}{16}$ -inch bearings, which hold up better than the $\frac{1}{2}$ -inch bearings.



6) Mark the position for the pickup hole 3-inches in back of the front axle and $\frac{1}{4}$ -inch up from the lower edge of the magnesium. This completes all of the critical holes for the chassis. Next draw the general shape of the car on the magnesium side pieces. This is where the individuality can show on a car. I generally keep mine fairly simple and functional, strictly for racing, but a lot of guys really come up with some fancy scroll work on the frames. With a little thought you can come up with a design all your own, but don't try to get too light, flexi-flyers get bent stopping in the parachute. Legal length can't exceed $9\frac{1}{2}$ -inches.