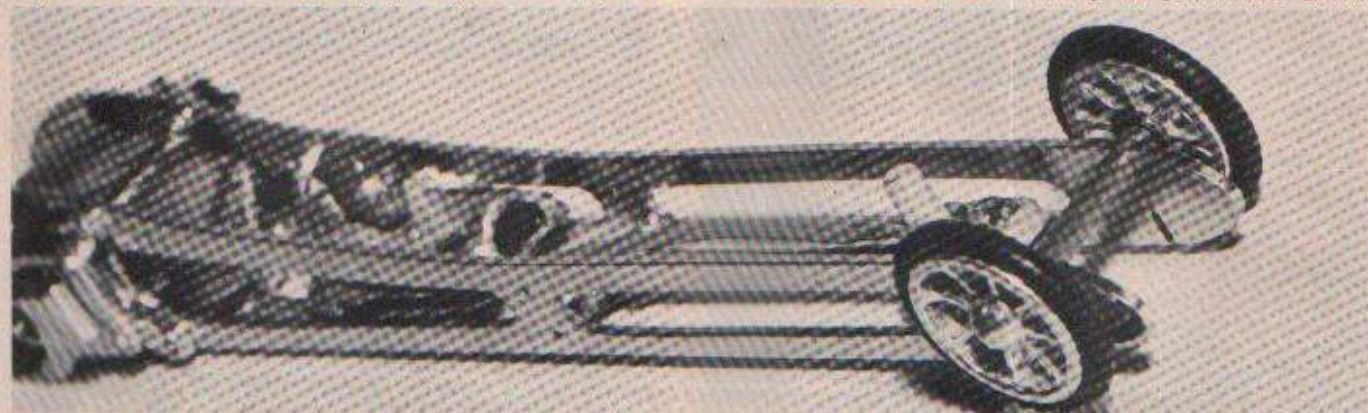


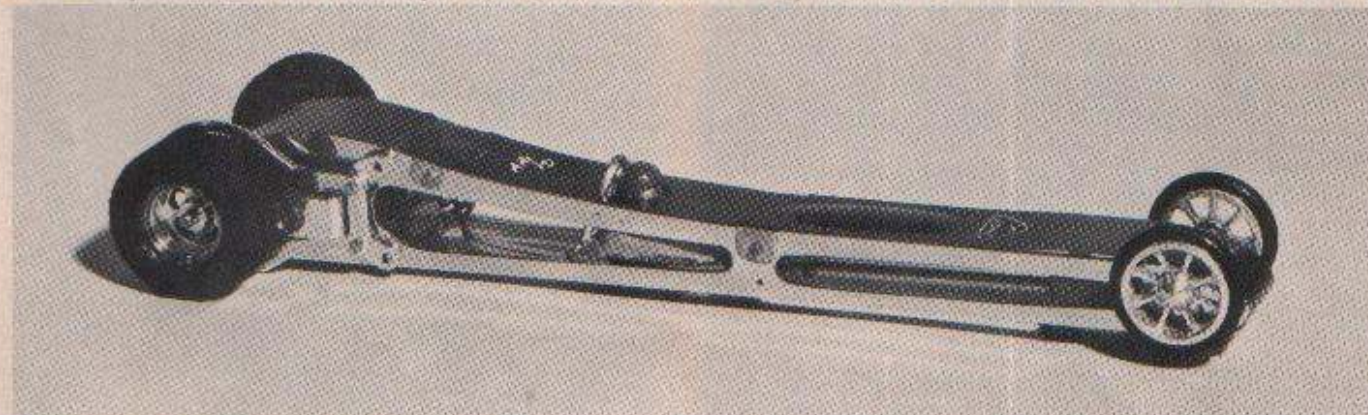
17) Slip a few small washers over the two posts on the left hand endplate. Then push the nylon brush insulators back on the posts and check for proper alignment between the brush holders and the commutator. Next, install a pair of Pittman DC85A brushes. It will probably be necessary to bend the brush arms slightly to fully seat the brushes to the commutator. This is a very important step and must be done correctly for maximum performance. Ram has three different springs, install the stiffest of the three.



18) Using $\frac{3}{32}$ x $\frac{3}{32}$ brass tee, epoxy two $\frac{1}{8}$ -inch aluminum tubing 1 inch and 2 inches long into it as shown. Drill a $\frac{1}{8}$ -inch hole a $\frac{1}{4}$ -inch deep into the nylon flag so the aluminum tubing can be pressed into it. Cut a piece of $\frac{3}{32}$ aluminum tubing to fit snugly in the two $\frac{3}{32}$ holes in the frame. If you drilled the $\frac{3}{32}$ holes completely through the frame, simply cut the tubing about an $\frac{1}{8}$ -inch longer than the width of the frame so you can crimp both ends to hold it in place. After all parts are cut and fitted, install the pickup assembly. Use a piece of piano wire to very lightly spring load the pickup. Next install the wires doing a good solder job. Insulate pickup from frame with tape. Good workmanship and neatness will help the performance greatly.



19) Using a piece of $\frac{1}{8}$ rod, $1\frac{1}{4}$ -inch long, sand it down in the drill press until it's a hard hand push fit into a ball bearing. Install this rod in the $\frac{1}{8}$ diameter holes in the front of the frame. Slip a piece of $\frac{3}{32}$ diameter tubing $\frac{3}{32}$ -inch long over each end of the axle. Then install a pair of those fabulous Speedway spoke mags on the front, I prefer these to the others.



20) Using .009 sheet aluminum, form a body to fit around the chassis. Use Russkii's $\frac{1}{2}$ scale driver and also add a roll bar to comply with the rules. Add the German Rekord Elastic tires. Now add 1 ounce of lead weight, as a starting point, to the nose of the car. This should complete the car if you have followed along. Next month we'll track test the car and do some tuning.