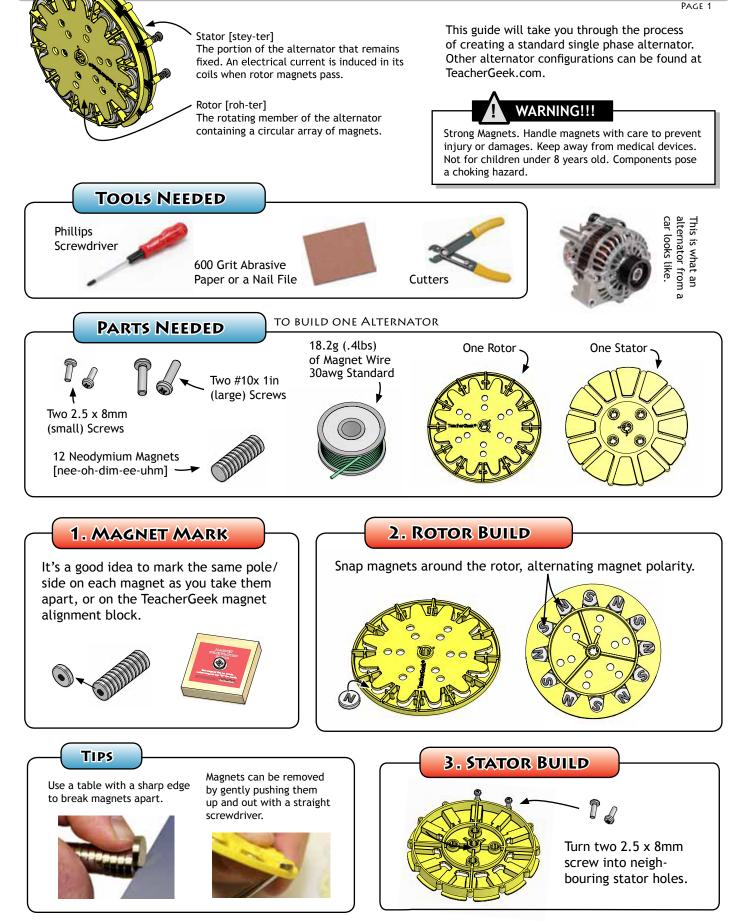
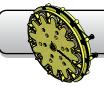
ALTERNATOR CONSTRUCTION





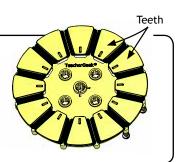
ALTERNATOR CONSTRUCTION



Coils must now be created by wrapping magnet wire around the Stator Teeth (all 12 of them).

3A. GET YOUR WIRE

How much wire do you need? One stator needs around .04lbs (18.2g) of wire. Use the chart below to find the length you will need and the total number of wraps you should have on each stator coil.



If you have a turbine 12 Pack, you will have to split/share the provided wire between stators.

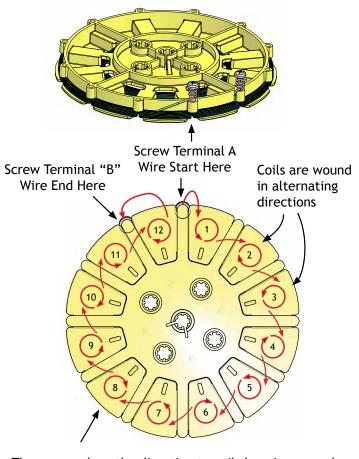
wire.				
wg	Wire For One Stator			
Kits come with 30awg wire.	Guage	Weight	Length	Wraps per Tooth/Coil
	28	.04lb (18.2g)	90ft	30
	30		190ft	50
	32		230ft	60

Alternator performance changes based upon the gauge wire used and wraps per coil.

B. REMOVE INSULATION Scrape, Sand or file .75in (19mm) of enamel off the end of the magnet wire.

3C. WRAP THE COILS

Wrap the un-insulated wire end around terminal "A". Then neatly coil the wire around each stator tooth. The chart aside recomends how many wraps to have on each coil. When you have finished coiling around all stator teeth, trim and remove insulation from the wire end and wrap it around terminal "B."



The arrows show the direction to coil the wire around each stator. Notice that every other coil is wound in the opposite direction.

ALTERNATOR CONSTRUCTION



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