

## TC1 Parts List

Quantity	Size	Description	**Possible Vendor Source
1	3.5"od x 20"	Clear Acrylic tube, 1/8" or 1/4" wall. This tube can be longer.	<a href="#">Interstate Plastics</a>
2	3"	ABS Pipe Cap	<a href="#">Home Depot</a>
1	1.5"	Slinky Jr. metal spring, cut in half.	<a href="#">Toys R Us</a>
3	¼" id x 3/4" od x 1/4" thick	RC44 Neodymium ring magnets	<a href="#">K &amp; J Magnetics, Inc.</a>
1	¼" 20 thread x 5"	Iron eyebolt	<a href="#">Home Depot</a>
2	¼" 20 thread	Iron magnet retainer nuts	<a href="#">Home Depot</a>
3	¼" 20 thread	Adjusting legs, these can be thumb screws (Or 3" eyebolts. Or Black knobs, etc. about 2" long).	<a href="#">Home Depot</a>
6	10 - 24 x 2"	Brass machine screws and nuts	<a href="#">Home Depot</a>
1	¼" -20 x 4"	Eye bolt, washers, and 3 nuts for the cap.	
2	Flat stock ¾"x2"	Alum. Retainers and nuts for spring coils	
1	800+ ohms coil	2000-4000 wraps of 38ga or 40ga copper magnet wire. (I target 970 to 1200ohms, using 2500 wraps of 40ga).	<a href="#">All Spectrum Electronics</a>
1	1" id x 1.75" long pvc	Coil body. Use the 200 psi, thin wall pvc, for the body, not the thicker pvc.	<a href="#">Home Depot</a>
1	Pvc ¼" ring to fit coil body		<a href="#">Home Depot</a>
1	Pvc ¾" ring to fit coil body		<a href="#">Home Depot</a>
2	6- 32 x ¾" studs	Brass terminals for coil wires	<a href="#">Home Depot</a>
4	6- 32 Nuts	Brass connectors for coil wires	<a href="#">Home Depot</a>
1	1" id x 2" long copper water pipe	Copper water pipe, or copper water pipe coupler	<a href="#">Home Depot</a>
1	6-10' RCA Cable	RCA cable, one end male one end stripped	<a href="#">Radio Shack</a>
	Other parts as required.	**This is just a list of possible vendor sources. Please note, some vendors have minimums for orders.	