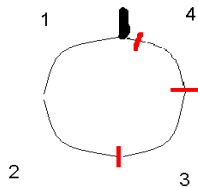


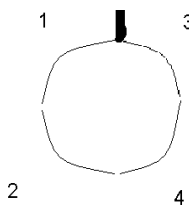
Making a 12 volt T Starter

1. Split fields at connection between 2 & 3 with a high speed cutter
2. Cut the right side of the field winding near post between 1 & 4 leave enough material so washer has a support area
3. unsolder fields 4 & 3
4. unsolder old lead that used to attach to 4 from the post, throw it away
5. unsolder brushes leads from fields 3 & 2, throw away old brushes leads
6. field 3, bend curled lead straight up and down
7. unwrap and rewrap windings as needed

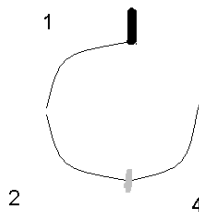


red marks = Cutting/unsolder points

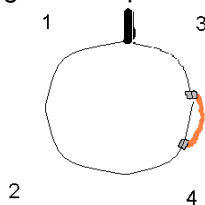
8. Swap fields 3 & 4



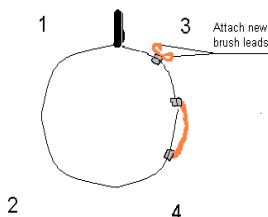
9. New lead from 4 to 2 should be too long, twist and cut to make correct distance and resolder

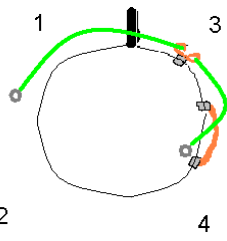


10. using a 2 inch piece of 1/4" smashed copper tubing connect field 4 to field 3



11. using a 1 inch piece of 1/4" smashed copper tubing, curl ends and slide over last open connection. 12. Then cut two new brush leads long enough to reach both brush holders
13. Slide end of new brush leads into curled tubing and solder onto open connection





Install into Case, Check for Shorts in wiring