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# INSTALLATION PROCEDURE

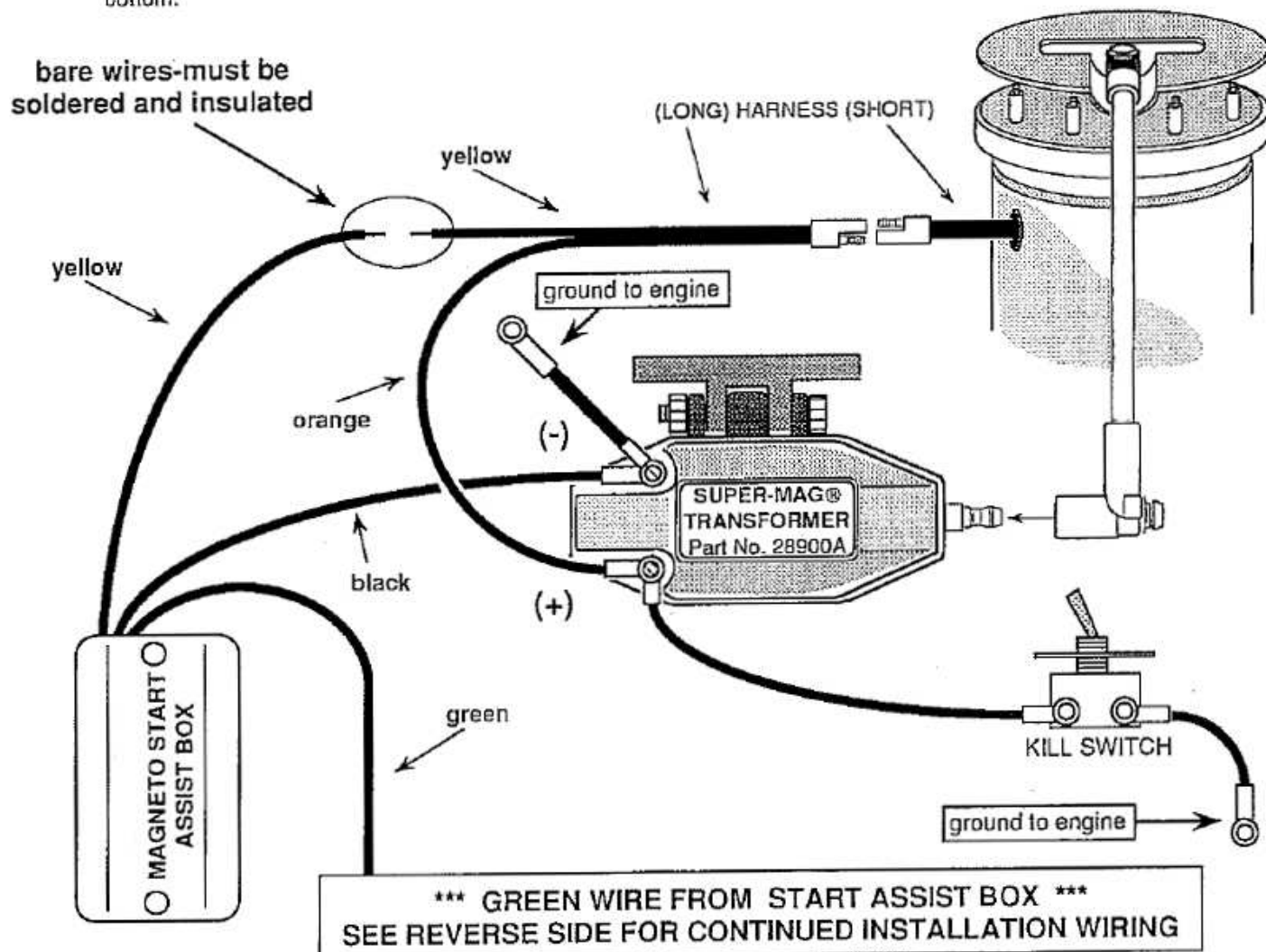
SUPER-MAG® II, SUPER-MAG® III, SUPER-MAG® IV,  
SPRINTMAG® & SPRINTMAG® II Magneto Ignition Systems  
w/START ASSIST BOX

## INSTALLATION OF THE MAGNETO:

1. **INSTALLATION OF THE MAGNETO.** Remove Magneto cap. Position Magneto in the engine with the rotor pointed in its' previous location. **CAUTION: BE SURE MAGNETO IS FULLY SEATED.** Set distributor hold down clamp in place, but do not tighten at this time.
2. **SET STATIC TIMING (TDC).** Be sure Magneto pointer is aligned with "0" on the timing plate on generator. Connect Static Timer -"buzz box" (Part No. 28354) with one lead attached to the ORANGE wire and the other lead to YELLOW wire at the (short) harness. While the buzzer is silent, hold rotor against its' direction of rotation and turn the Magneto in the direction of rotor rotation until the buzzer begins sounding. Tighten distributor hold down clamp.
3. **SET TIMING.** Loosen generator band clamp. Turn generator to align pointer and timing plate to desired initial timing. Tighten generator band clamp.
4. **WIRING PROCEDURE.** Connect long harness to generator. Refer to illustration (below) for all additional wiring

## GENERAL INFORMATION:

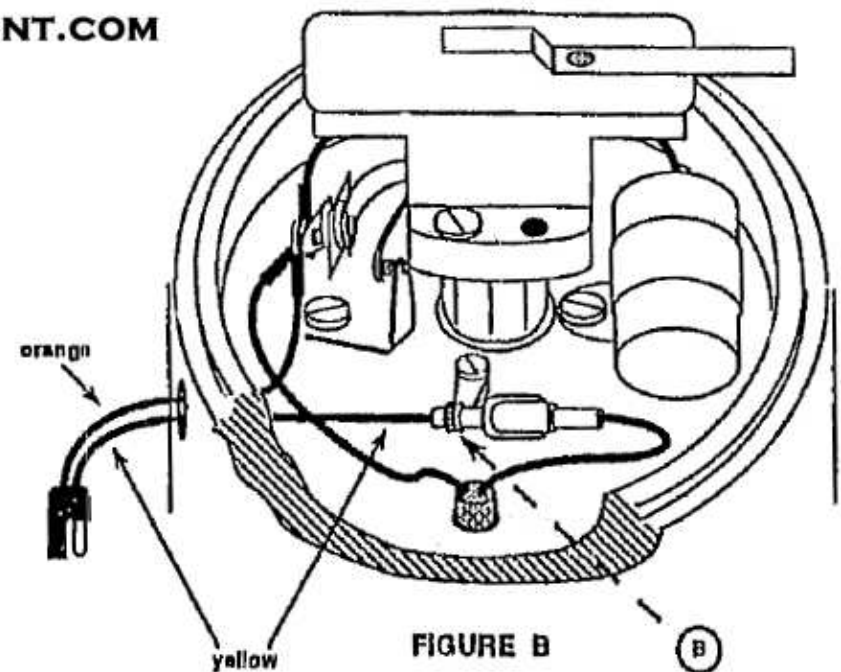
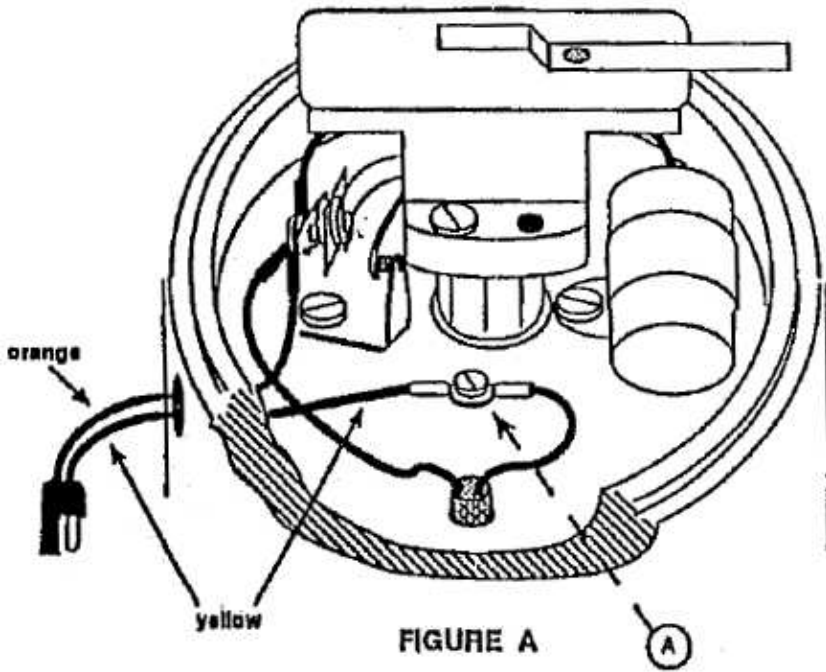
- \* Remove spark plugs - clean and test. Replace if necessary. Because the Magneto has tremendous output, spark plug and spark plug gaps should be experimented with and closely monitored for maximum performance. Set spark plug gap clearances at .018" to .022".
- \* Electric Magneto Tachometers should be connected to the orange wire terminal (+) on SUPER-MAG® Transformer.
- \* 16 gauge or larger wire must be used on all additional wiring. All grounds must be made to the engine block. Do not ground to chassis or anodized surfaces (such as the engine plate).
- \* On dual ignition systems, each ignition system must run independent of the other.
- \* To prevent internal damage to transformers, the transformer must be mounted with the high tension lead coming from the bottom.



# GENERATOR CONVERSION-START ASSIST BOX BEFORE

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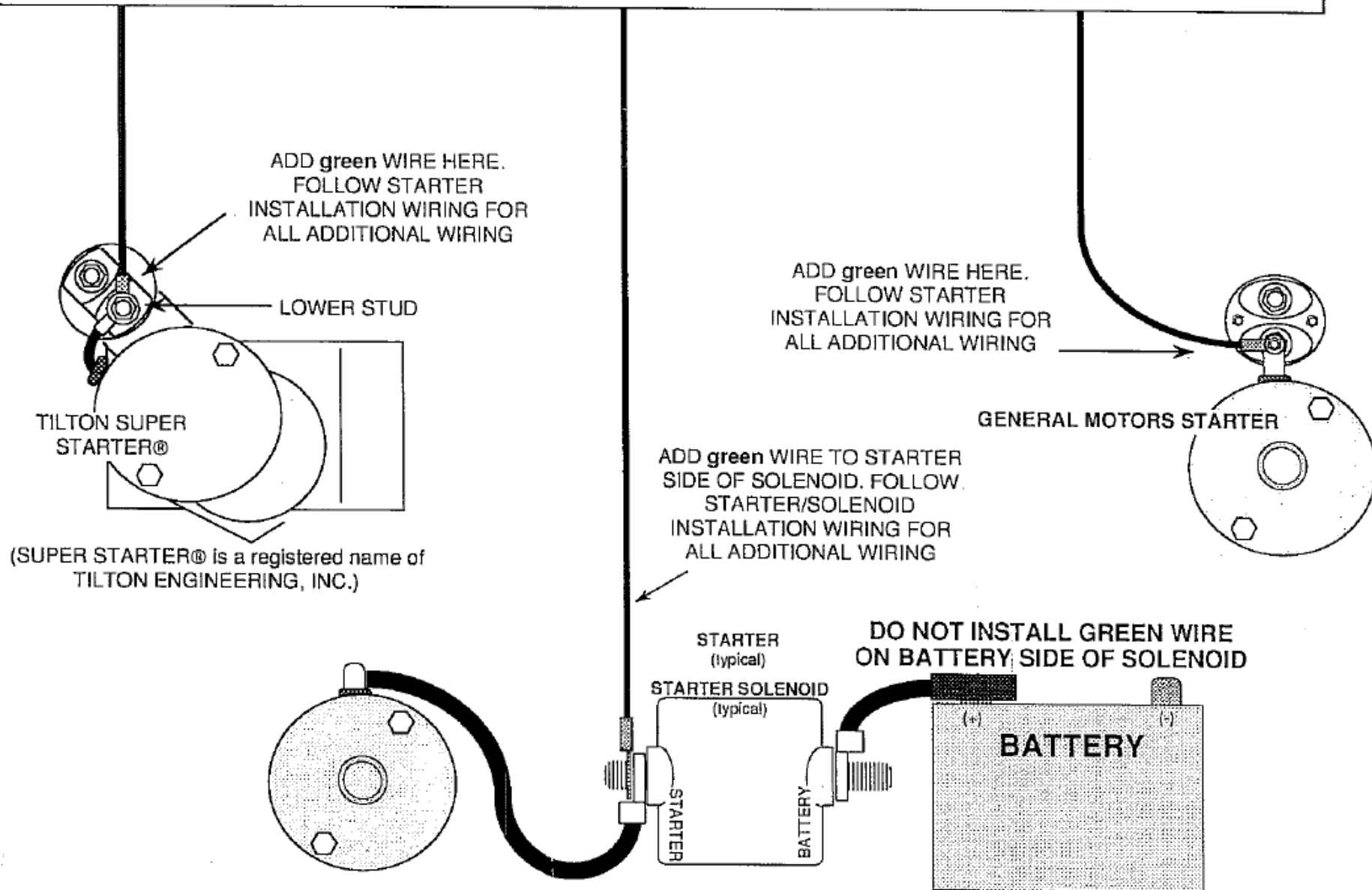
# AFTER



- (A)**
- 1) REMOVE SCREW
  - 2) REMOVE EYELETS FROM yellow & black LEADS
  - 3) INSTALL MALE SLIDE CLIP ON yellow LEAD
  - 4) INSTALL FEMALE SLID CLIP ON black LEAD
  - 5) CONNECT MALE & FEMALE LEADS TOGETHER
  - 6) PROCEED TO FIGURE B

- (B)**
- 1) SECURE "ZIP TIE" AROUND MALE TERMINAL END OF yellow LEAD
  - 2) MOUNT "ZIP" FASTENER TO POINT PLATE USING LONG SCREW PROVIDED REUSING PREVIOUS THREADED GROUND HOLE
  - 3) PROCEED TO FORM 1113 FOR ALL ADDITIONAL WIRING AND INFORMATION

**\*\*\* GREEN WIRE FROM START ASSIST BOX CONTINUED \*\*\*  
DETERMINE WHICH OF THE FOLLOWING IS CORRECT FOR YOUR APPLICATION**



**FIE**

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