

## AeroVee 2.1

### Tools Required

- \_\_\_ 9/64" Hex Drive
- \_\_\_ Locktite 242

### Parts Required

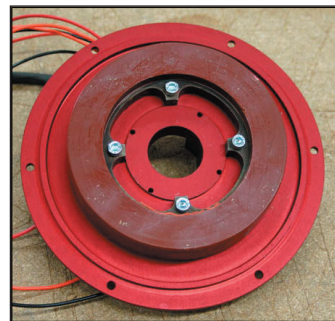
- \_\_\_ ACV-A01-03 Alternator Mount Plate w/ Ignition Modules
- \_\_\_ ACV-A01-15 Alternator Stator, 20 Amp
- \_\_\_ ACV-Z01-12 Cap Screw, Qty. 6
- \_\_\_ ACV-Z01-76 Cap Screw, Patched, Qty. 4

### Stator Assembly

- \_\_\_ 1. Pass the wires of the stator through the hole in the stator plate.



- \_\_\_ 2. Attach the stator to the alternator mount plate using four (4) ACV-Z01-76 screws. Place a drop of Locktite 242 on each screw prior to installation.



### Installing the Stator Assembly

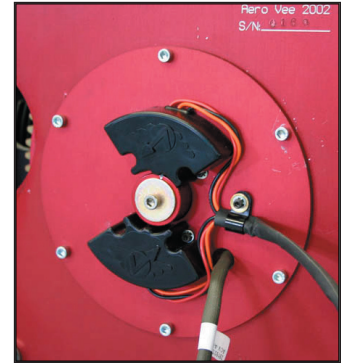
- \_\_\_ 1. "Paint" the surface of each magnet in the magnet ring and the outside of the stator with a permanent marker.



## ALTERNATOR INSTALLATION

**Important:** The magnets of the magnet ring are very strong and will try to pull the stator assembly out of your hands as you install it. Maintain a firm grip to avoid pinched fingers.

- \_\_\_ 2. Carefully place the stator assembly over the magnet ring with the "top" pick-up near the 1 O'clock position and the "bottom" pick-up near the 7 O'clock position. The magnet ring may force the stator assembly into an unwanted position. Rotate the flywheel until the stator plate can be properly positioned.



- \_\_\_ 3. Temporarily install 6 (six) ACV-Z01-12 cap screws to secure the stator assembly in place.
- \_\_\_ 4. Rotate the crank shaft 3 or 4 full revolutions. This is easily done by removing a spark plug and turning the crank with a socket wrench on the prop hub bolt.
- \_\_\_ 5. Remove the stator plate and inspect the magnet ring and stator for signs that the two are in contact with each other. If the marker is intact on both parts, your clearance is acceptable. Continue with Step 6.  
  
If there is evidence of contact between the parts, use a belt sander or equivalent to remove some material from the stator where the marker has been rubbed away and then repeat steps 1 through 5.
- \_\_\_ 6. Re-install the stator assembly as described in Step 2.
- \_\_\_ 7. Secure the stator assembly to the accessory plate using six (6) ACV-Z01-12 screws and Locktite 242.