

# Converting Ford Cutout to Solid State

1. File or grind off spot welds on bottom plate of the cutout (2 or 3 of them).
2. Turn cutout upside down in a piece of 2" pipe and drive the cover off.
3. Remove four (4) 6-32 screws in the **sides** of the coil bracket (not from the **bottom**). See Figure 1.
4. Unsolder the large coil from the small bracket and the small wire from the base.
5. With a hacksaw, cut off one side of the coil bracket and continue to cut through the base of the coil and its core. See Figure 2.
6. In the remaining side of the bracket, drill a hole starting with a 1/4" bit and work up to 1/2". This is so the hole will be round. See Figure 2.
7. At this point, the cover and base may be cad plated with no ill effects to the insulators. Before plating, degrease and lightly sandblast or wire brush the metal to remove rust.
8. To install the diode, set it in the hole and press it in using a 7/16" or 1/2" deep socket or a tool designed for installing diodes. Use a 5/8" socket so support the bracket under the diode.
9. Bend the diode lead over and solder it to the small bracket. See Figure 3.
10. Reinstall the cover (B to battery terminal) solder at seal.

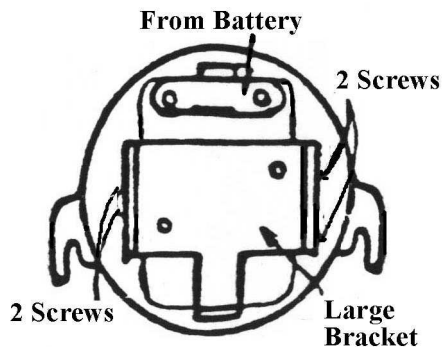


FIGURE 1

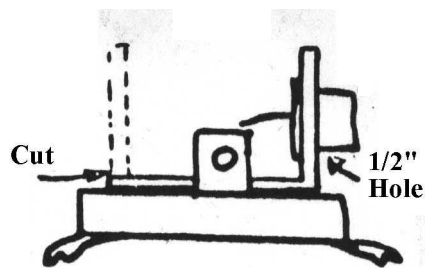


FIGURE 2

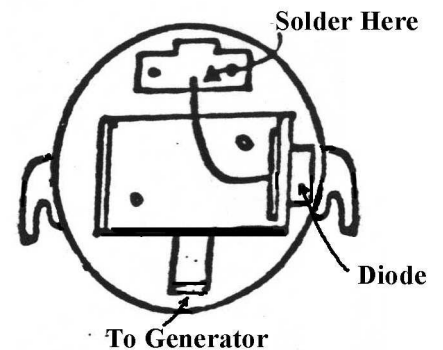


FIGURE 3