**A. Start Route.**

Step 1. Open your **POWER TRAIN ASSEMBLY** file.

Step 2. Grab the Switch and swing to position Switch out the front end of Base, **Fig. 1**.

Step 3. Click **Electrical** on the Command Manager toolbar.

Step 4. **Right click** the **CPoint1 on front end of Battery Holder** and click **Start Route** from menu, **Fig. 1**.

Step 5. Click **OK** in the Route Properties Property Manager, **Fig. 2**.

Step 6. Click the **Design Library** tab in the Task Pane select **My Electrical Routing**, **Fig. 3**.

Step 7. In the Design Library lower pane, drag **RING TERMINAL-26-22**, **Fig. 3** towards hole in Switch. Move the tip of your cursor to the edge of the hole, **Fig. 4**. When the Ring Terminal ring snaps to hole, release the component.
Step 8. Click **CPoint1 on front end of Battery Holder** and **CPoint1 on Ring Terminal**, Fig. 5.

Step 9. Click OK to spline radius curvature is too small message, Fig. 6.

Step 10. Click OK in the Auto Route Property Manager, Fig. 7 and Fig. 8.

Step 11. Click **Exit 3D Sketch** in top right corner of graphics area.

Fig. 5

Fig. 6

Fig. 7

Fig. 8
Step 12. Click Top on the Standard Views toolbar. (Ctrl-5)

Step 13. Zoom in around route, Fig. 9. To zoom, place the cursor over the route area and spin the wheel on mouse back.

Step 14. Grab the barrel of Ring Terminal, Fig. 10 and rotate component slightly so barrel is sort of parallel with Switch, Fig. 11.

**B. Edit 3D Spline.**

Step 1. Click Edit Route on the Electrical toolbar.

Step 2. Right click the spline of route and click Display Control Polygon from menu, Fig. 12.

Step 3. Click gray Control Point of spline to activate it in front of Battery Holder and Control Polygon handle turns yellow, Fig. 13.

Step 4. Drag yellow Control Polygon handle toward the Battery Holder adjusting spline’s radius curvature, Fig. 14. This actually tightens radius, but we’ll open up radius with next adjustment.
Step 5. Grab the spline’s **Tangent Magnitude Handle** at the Ring Terminal, Fig. 15.

Step 6. Push in towards the Ring Terminal to increase radius of both splines, Fig. 16.


**C. Edit Wires.**

Step 1. Click **Isometric** on the Standard Views toolbar. (Ctrl-7)

Step 2. Click **Edit Wires** on the Electrical toolbar.

Step 3. In the Edit Wire Property Manager set: under Wire From-To List, Fig. 17
- click **Add Wire**

Step 4. In the Electrical Library dialog box, under Select Wires, Fig. 18
- click **black**
- click **Add** button
- click **OK**.

Fig. 15

Fig. 16

Fig. 17

Fig. 18
Step 5. Back in the Edit Wire Property Manager set:
under Wire From-To List, Fig. 19
click Select Path button
click spline in 3D sketch, Fig. 20
click OK , Fig. 21
click OK , Fig. 22.

Step 6. Click Exit 3D Sketch in top right corner of graphics area.

Step 7. Click Exit Edit Component in top right corner of graphics area.

D. Hide 3D Sketch.

Step 1. Click the 3D Sketch and click Hide on context toolbar, Fig. 23.

Step 2. Save. Use Ctrl-S.