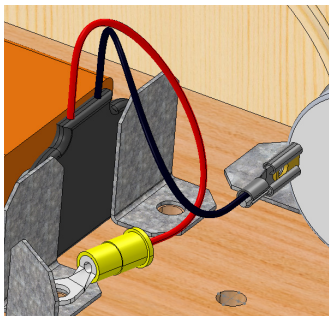
E-Car

Harness 3

Battery Clip to L-Bracket - Red



A. Open Assembly.

Step 1. If necessary, open your **E CAR ASSEMBLY** file.

Step 2. If necessary, rotate view to view **back of Motor and Switch**, hold down middle mouse button (wheel) and drag to rotate view, **Fig. 1**.

Step 3. And if necessary, zoom back in around **back of Motor, Battery Clip and Switch**, **Fig. 1**. To zoom, place the cursor over the Motor, Battery Clip and Switch area and spin the wheel on mouse back. While spinning the wheel keep cursor on the area where you want to zoom.

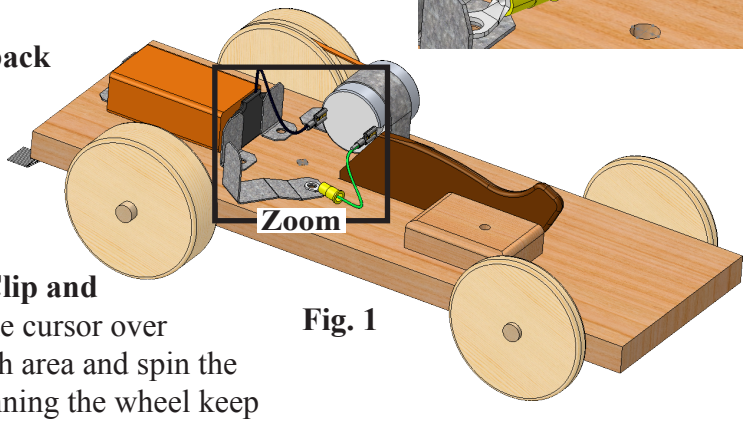


Fig. 1

B. Start Route.

Step 1. Click **Electrical**  on the Command Manager toolbar.

Step 2. **Right click** the **CPoint2 on left side of Battery Clip** and click **Start Route** from menu, **Fig. 2**.

Step 3. Click OK  in the Route Properties Property Manager, **Fig. 3**.

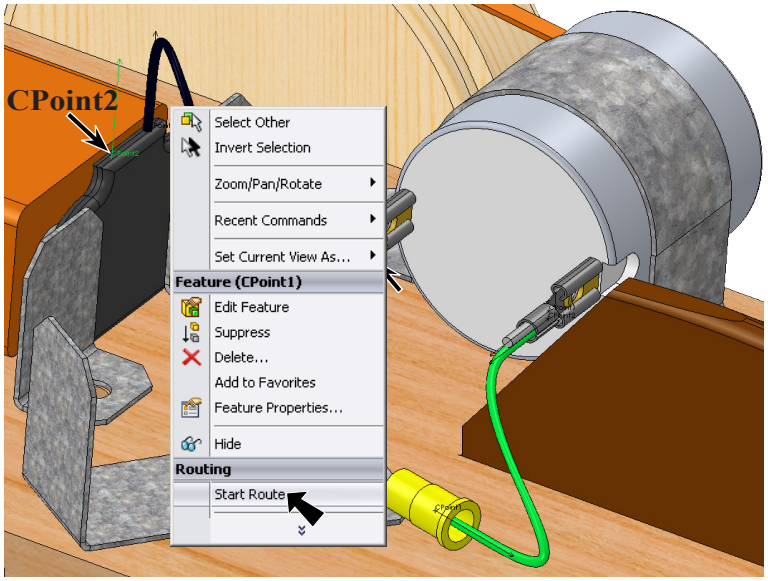


Fig. 2

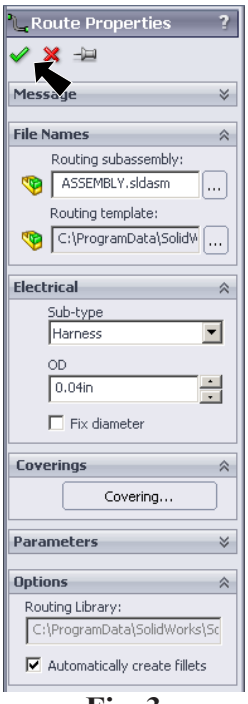


Fig. 3

© Cudacountry.net Tech Ed
http://www.cudacountry.net email:cudacountry@hotmail.com

Step 4. Click the **Design Library** in the Task Pane select **My Electrical Routing**, **Fig. 4**.

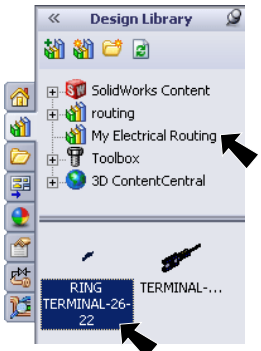


Fig. 4

Step 5. In the Design Library lower pane, drag **RING TERMINAL-26-22**, **Fig. 4** towards hole in left L-Bracket. Move the tip of your cursor to the edge of the hole, **Fig. 5**. When the Ring Terminal snaps into place and cursor changes to concentric and coincident mate, release the component.

Step 6. Click **CPoint2 on left side of Battery Clip** and **CPoint on Ring Terminal**, **Fig. 6**.

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

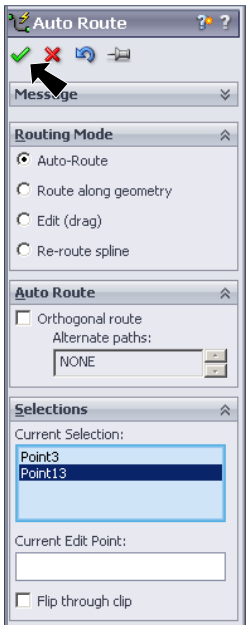


Fig. 7

Step 8. Click **Exit 3D Sketch** in top right corner of graphics area.

Step 9. Grab the barrel of Ring Terminal, **Fig. 8** and rotate component clock-wise slightly to move Route away from Route 2 (black), **Fig. 9**.

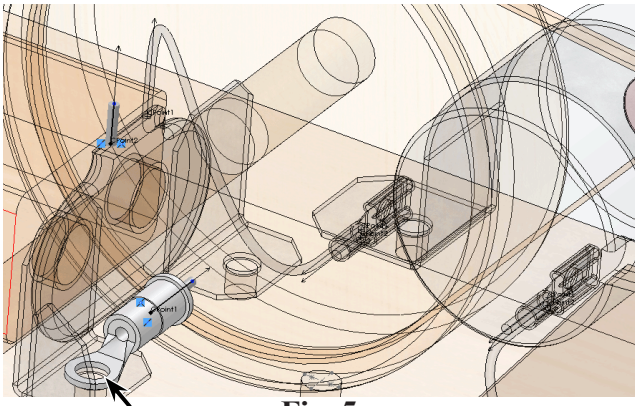


Fig. 5

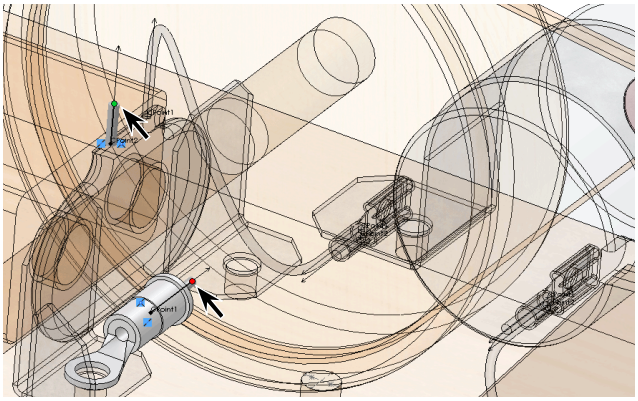


Fig. 6

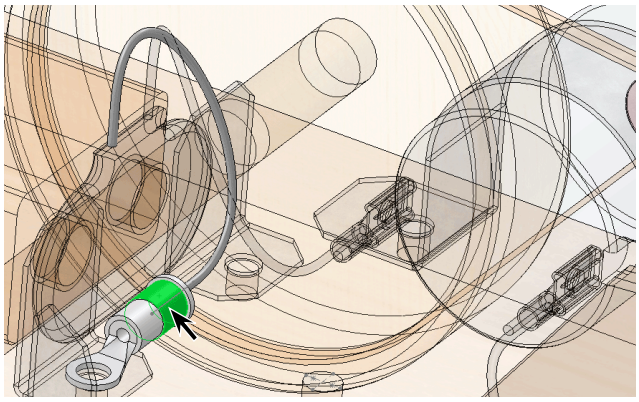


Fig. 8

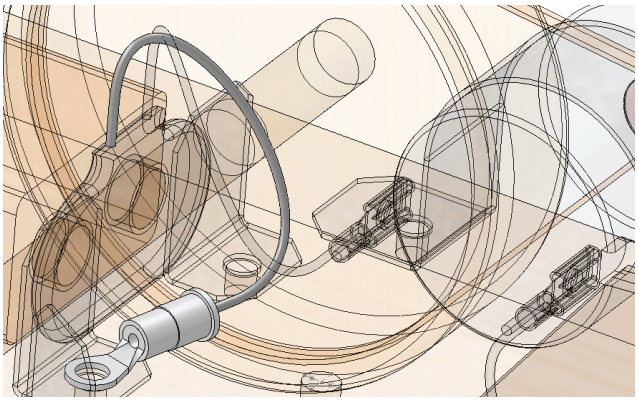
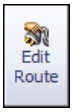


Fig. 9

Step 10. Click **Edit Route** 

on the Electrical toolbar.

Step 11. Grab the **top endpoint of Line at Battery Clip in the 3D Sketch**, **Fig. 10**.

Step 12. **Pull up the endpoint** slightly so Route is off of Route 2, **Fig. 11**.

Step 13. **Stay in the 3D Sketch** for Editing Wires.

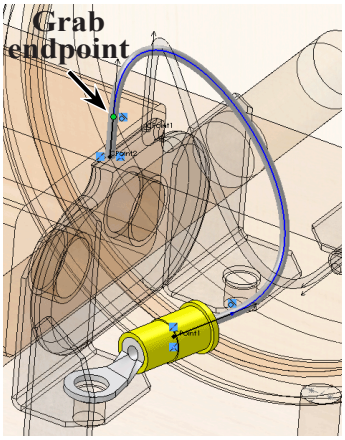


Fig. 10

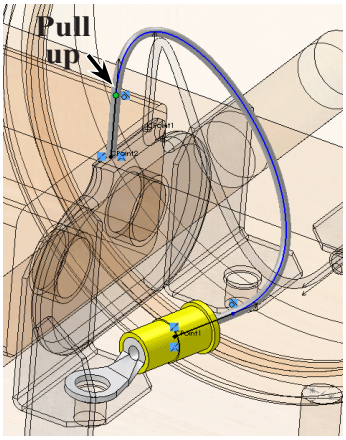


Fig. 11

C. Edit Wires.

Step 1. Click **Edit Wires** 

on the Electrical toolbar.

Step 2. In the Edit Wire Property Manager set:
under Wire From-To List, **Fig. 12**
click **Add Wire** 

Step 3. In the Electrical Library dialog box,
under Select Wires, **Fig. 13**
click **red**
click **Add** button
click OK.

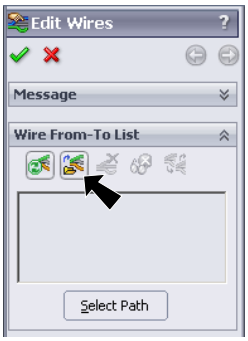


Fig. 12

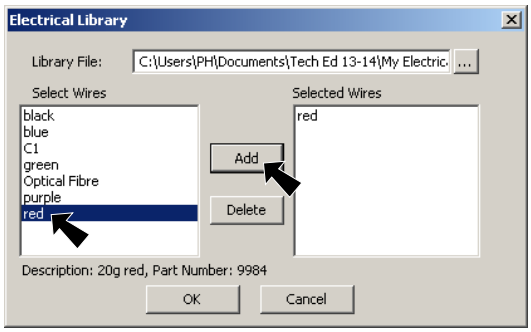


Fig. 13

Step 4. Back in the Edit Wire Property Manager set:
under Wire From-To List, **Fig. 14**
click **Select Path** button
click **spline in 3D sketch**, **Fig. 15**
click OK  , **Fig. 16**
click OK , **Fig. 17**.

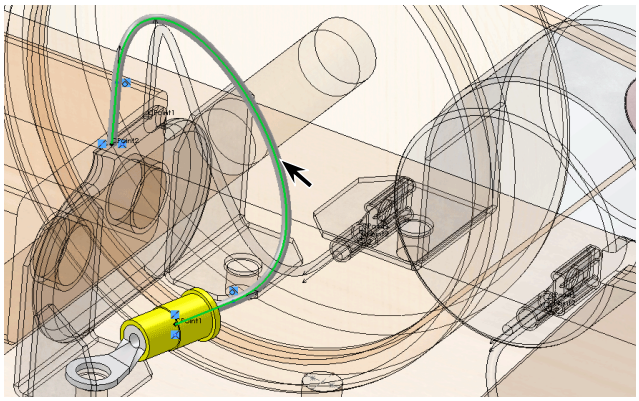


Fig. 15

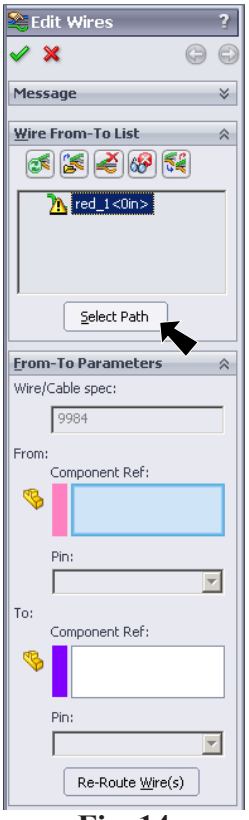


Fig. 14

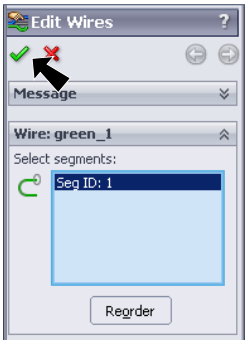


Fig. 16

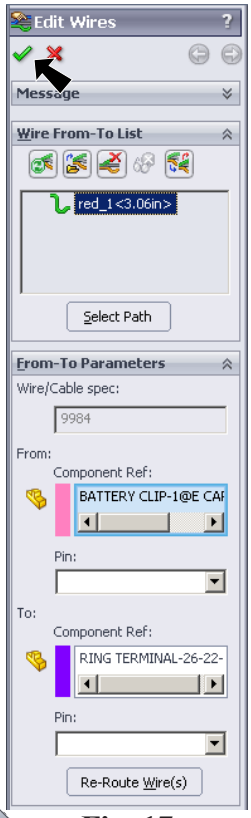


Fig. 17

Step 5. Click **Exit 3D Sketch**  in top right corner of graphics area.

Step 6. 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 Content toolbar, **Fig. 18**.

Step 2. Save. Use **Ctrl-S**.

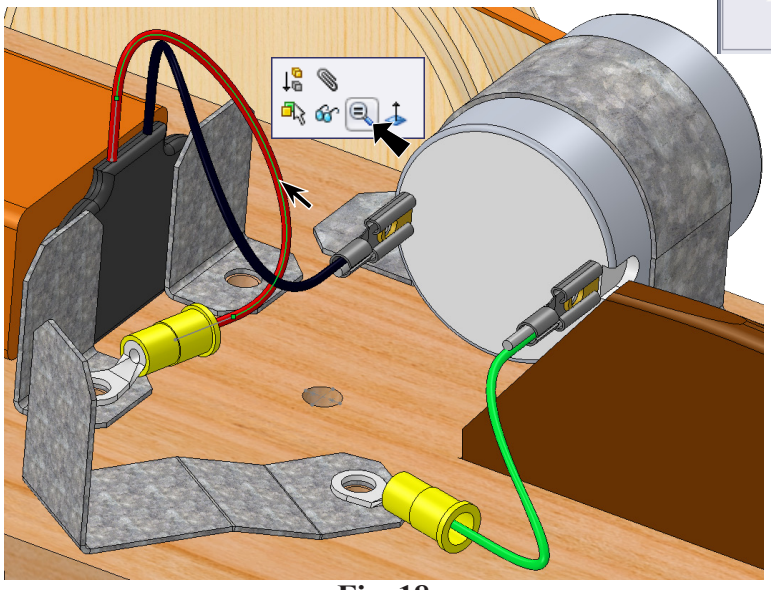


Fig. 18