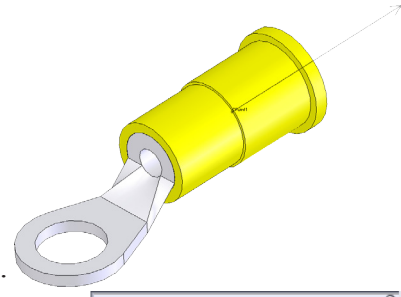


Ring Terminal



A. Component from Design Library.

Step 1. Click the **Design Library** tab  in the Task Pane, **Fig. 2**.

Step 2. Expand **routing** and click **electrical** folder

Step 3. In the lower pane, **right click ring term_18_22_awg-x_6** and click **Open**, **Fig. 1** and **Fig. 2**.

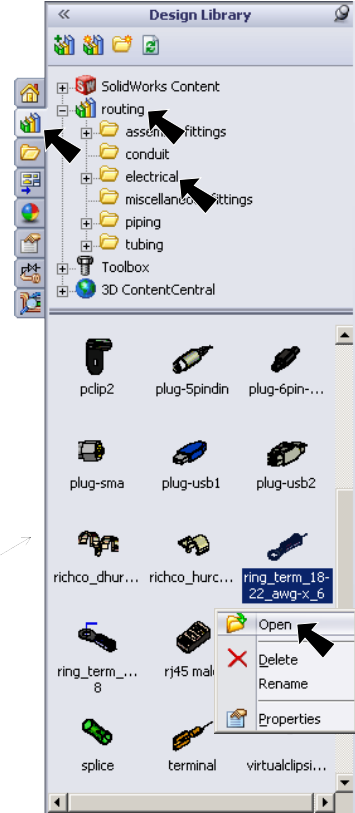


Fig. 1

B. Save As "RING TERMINAL-26-22" in My Electrical Routing.

Step 1. Click File Menu > Save As.

Step 2. In the Save As dialog box:
key-in **RING TERMINAL-26-22** for file name, **Fig. 3**

navigate to **My Documents/Tech Ed 13-14/My Electrical Routing** folder, **Fig. 3**

click **Save**, **Fig. 3**.

Step 3. Later, we will add the My Electrical Routing folder to the Design Library.

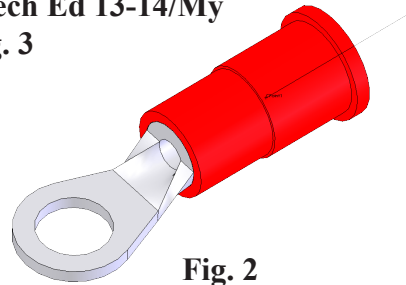


Fig. 2

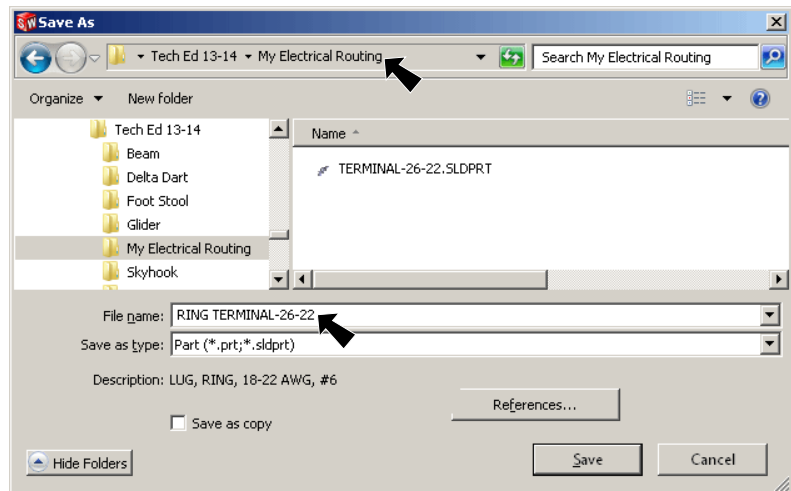


Fig. 3

C. Raise Barrel.

Step 1. Click **Extrude2** in the Feature Manager and click **Edit**

Sketch  on the Content toolbar, **Fig. 4**.

Step 2. Click **Normal**

To  on the Standard Views toolbar. (Ctrl-8)

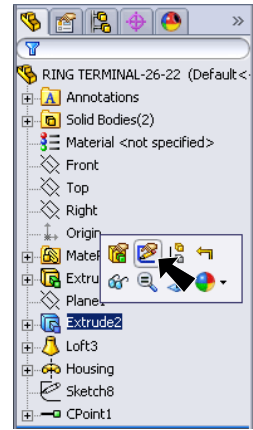
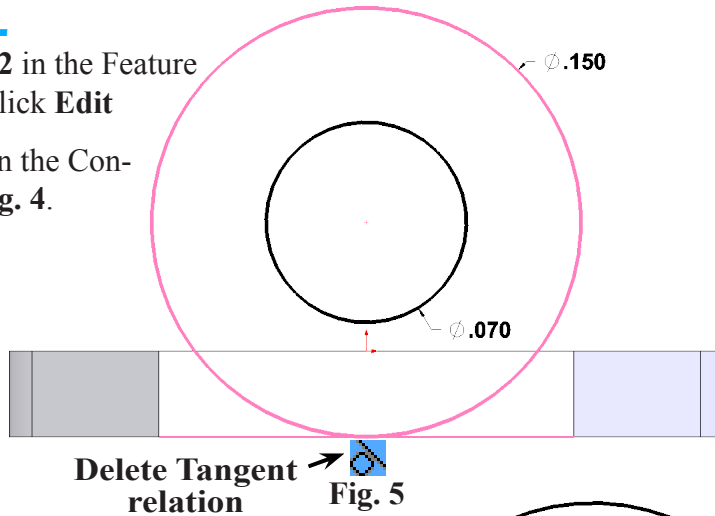




Fig. 4

Step 3. Delete the tangent relation between the outer circle and the bottom line. To delete, click the **outer circle** to display Relation icons, then click the **Tangent Relation icon**  at bottom and press **Delete** key, **Fig. 5**.

Step 4. Click **Smart Dimension**  (S) on the Sketch toolbar.

Step 5. Add **.105** dimension between **center of circle and bottom edge of extruded feature**, **Fig. 6**.

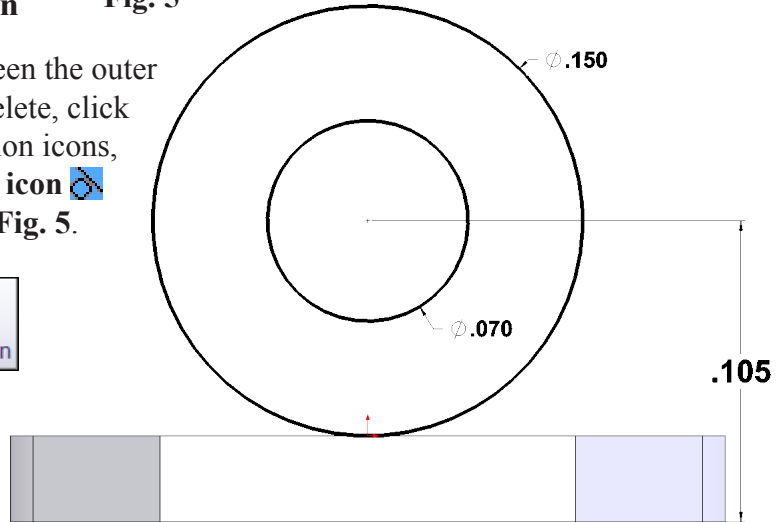



Fig. 6

Step 6. Click **Exit Sketch**  on the Sketch toolbar.

Step 7. Save. Use **Ctrl-S**.

D. Repair Loft - Guide Curve Sketch Plane.

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

Step 2. Expand **Loft3** in the Feature Manager, click **Sketch5** and click **Edit Sketch Plane**  on the Content toolbar, **Fig. 7**.

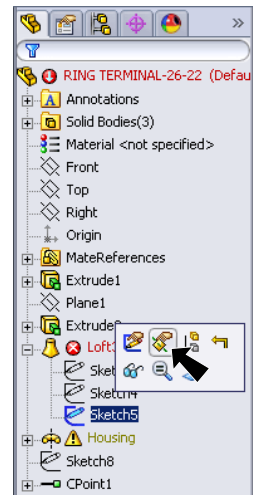

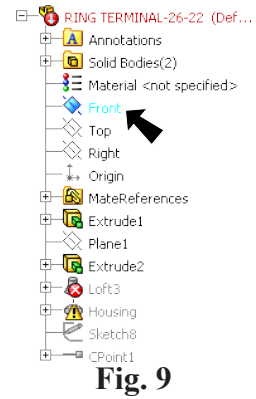



Fig. 7

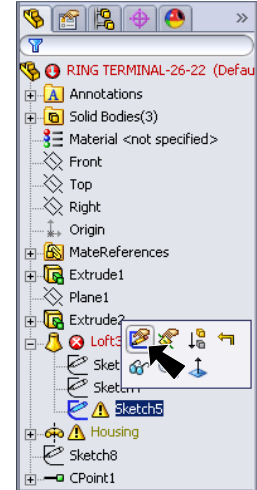
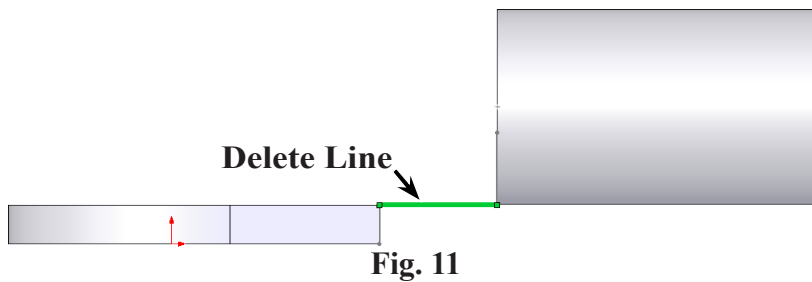
- Step 3. In the Sketch Plane Property Manager set:
 under Sketch Plane/Face, **Fig. 8**
 expand the Design Tree in top left corner of
 the graphics area and click **Front Plane**
Fig. 9
 click OK .



E. Repair Loft - Guide Curve.

- Step 1. Expand **Loft3** in the Feature Manager, click **Sketch5** and click **Edit Sketch**  on the Content toolbar, **Fig. 10**.

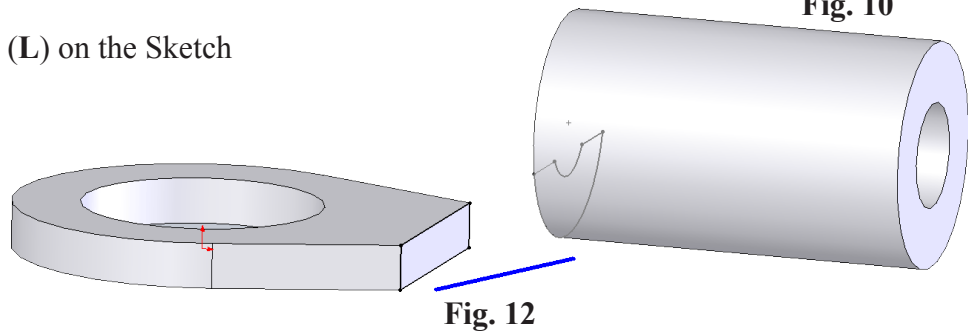
- Step 2. Delete Line in sketch, **Fig. 11**. To delete, select line and press **Delete** key.



- Step 3. Rotate view to view **rear face of ring extrude**, hold down middle mouse button (wheel) and drag to rotate view, **Fig. 12**.

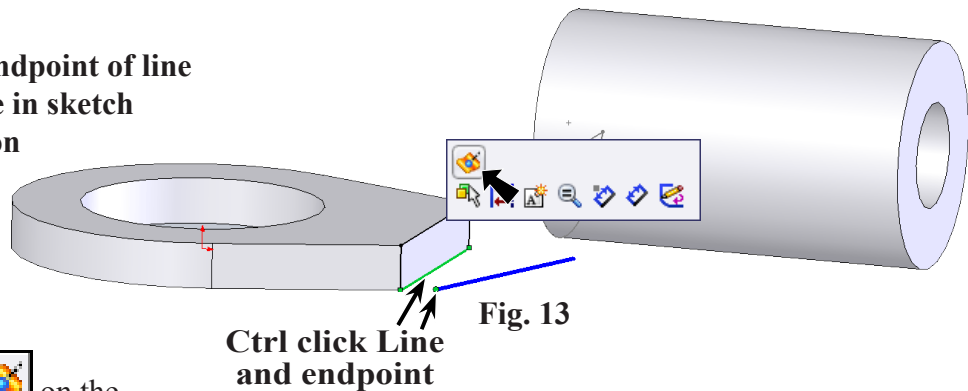
- Step 4. Click **Line**  (L) on the Sketch toolbar.


- Step 5. Draw a line below both features, **Fig. 12**.




- Step 6. **Right click graphics area and click Select** from menu to unselect Line tool.

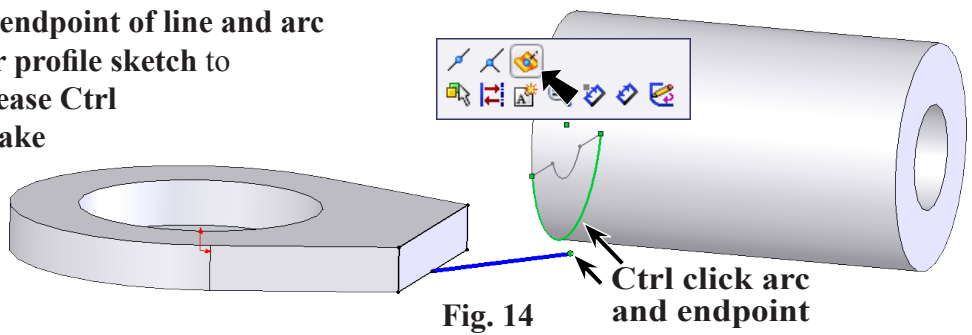
- Step 7. **Ctrl click left endpoint of line and bottom line in sketch of Loft profile on rear face of ring extrude** to select both. Release Ctrl key and click



- Make Pierce**  on the Content toolbar, **Fig. 13**. Make Pierce adds a Pierce relation between both sketches.

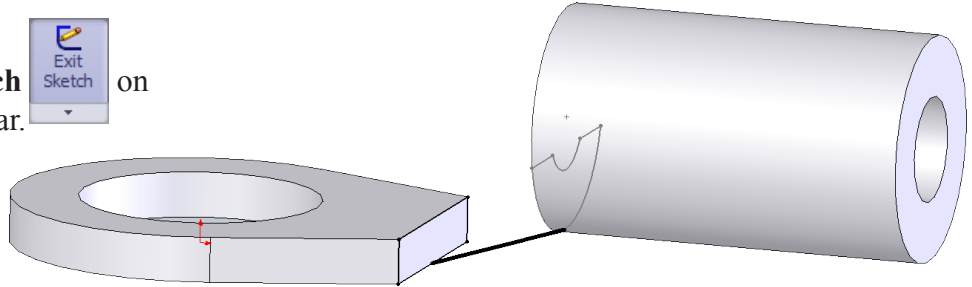
Step 8. **Ctrl click right endpoint of line and arc on edge in other profile sketch to select both. Release Ctrl key and click Make**

Pierce  on the Content menu, **Fig. 14** and **Fig. 15**.




Step 9. Click **Exit Sketch**  on the Sketch toolbar.

Step 10. Save. Use **Ctrl-S**.

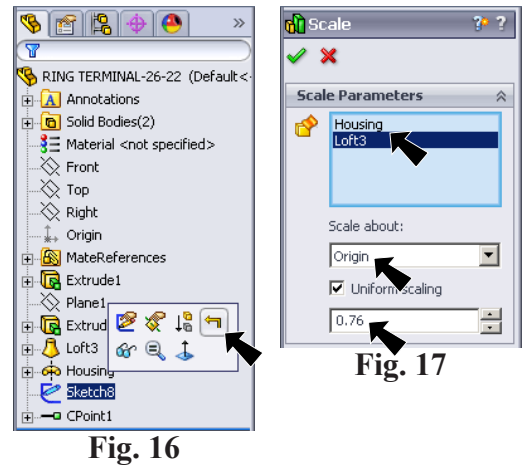


F. Scale.

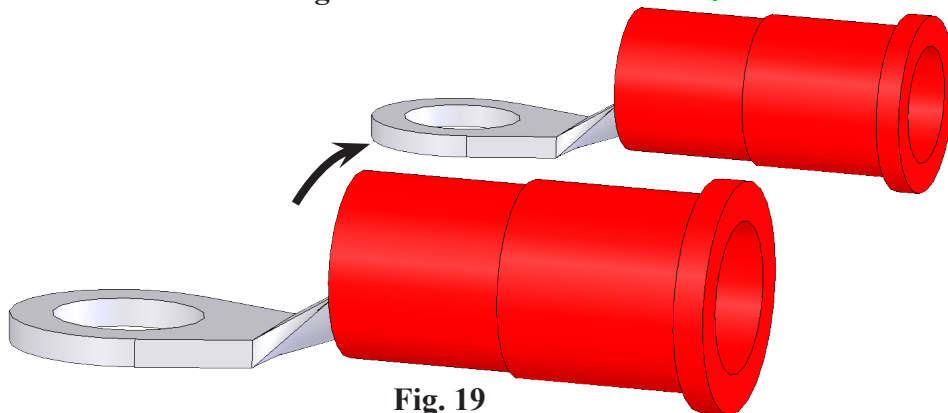
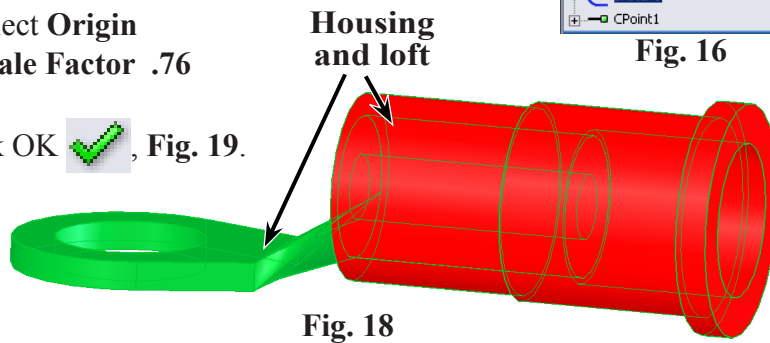
Step 1. Click **Sketch8** in the Feature Manager and click **Roll Back**  from the Content toolbar, **Fig. 16**.

Step 2. Click Insert Menu > Features > Scale.

Step 3. In the Scale Property Manager:
 under Scale Parameters, **Fig. 17**
 click **both solid bodies, Housing and Loft,**
Fig. 18
 under Scale about:
 select **Origin**
Scale Factor .76






click OK , **Fig. 19**.



G. Appearance.

Step 1. Right click **Sketch8** in the Feature Manager and click **Roll to End** from menu, **Fig. 20**.

Step 2. Click the Housing, click **Appearance Callout**  on the Content toolbar and click **Housing** , **Fig. 21**.

Step 3. In the Appearances Property Manager, **Fig. 22** under Color click the **yellow swatch** click OK , **Fig. 23**.

Step 4. Save. Use **Ctrl-S**.

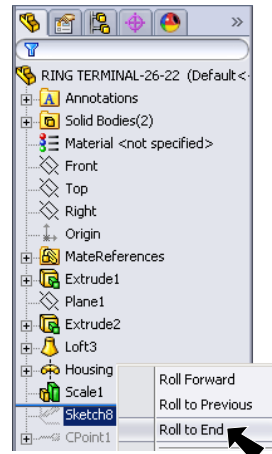


Fig. 20

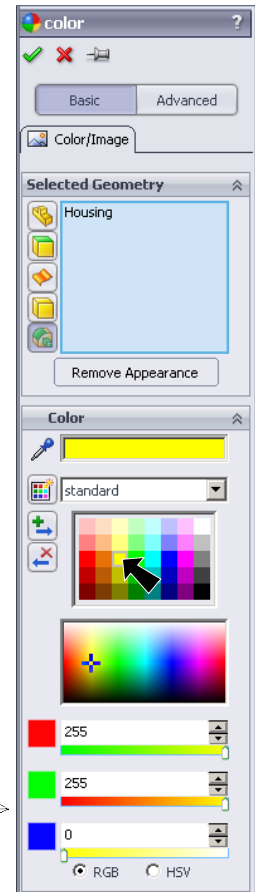


Fig. 22

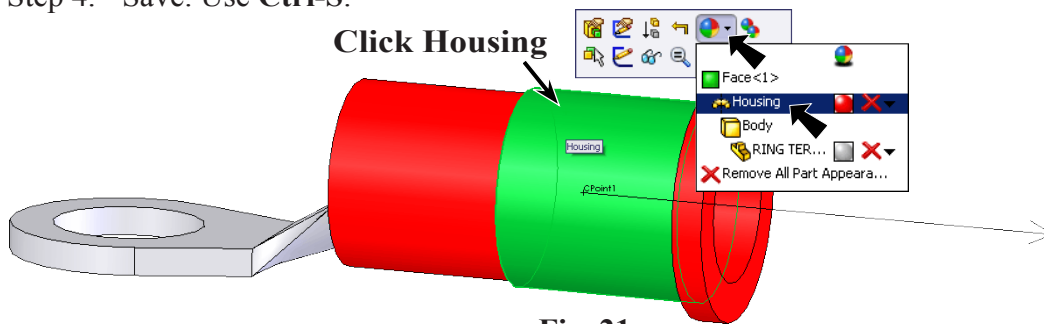


Fig. 21

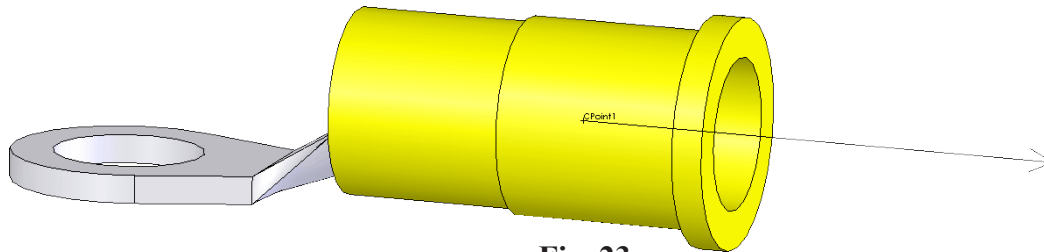


Fig. 23