

MODIFICATION RECOMMENDED

6571A-09

**S E R V I C E N O T E**

Supersedes:  
NONE

**6571A DC POWER SUPPLY, 0-8 V, 0-220 A, 1760 W.  
MANUALLY CONTROLLED.**

Serial Numbers: A LL

The **AC INPUT SAFETY COVER** has a strain relief used to secure the AC line cord that may become loose.

**Parts Required:**

P/N	Description	Qty.
5040-1676	AC INPUT SAFETY COVER	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	X ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS LABOR: 0.17 Hours (10min)	
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE X SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: X RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: X RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S Support Life	NO CHARGE AVAILABLE UNTIL: 1/2012	
AUTHOR:	CP	PRODUCT LINE: SP	
ADDITIONAL INFORMATION: <b>ONLY</b> replace the AC Safety Cover P/N 5040-1676 if the label shown in <b>Figure 8</b> does not appear on the Safety cover or if the Cover is defective due to described failure, the Safety cover should be replaced at <b>NO</b> charge to the customer.			
Lost or broken AC Safety Cover will not be replaced using warranty.			

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**Situation:**

When the incorrect nut is used or a locking Nut is put on incorrectly the strain relief will become loose.

Figure 1 is an example of what happens when the strain relief becomes loose, the line cord becomes twisted. When a heavy line cord is used the strain relief becomes loose very easily, and the line cord can rotate freely.

Figure 2 shows the inside of the AC Safety Cover housing the incorrect hardware is shown. It will be very difficult to tighten the strain relief. AMC (Asian Manufacturing Center) uses a special tool to tighten the locking nut. When the incorrect nut is used or a locking Nut is put on incorrectly the strain relief will become loose as described above.

**Figure 1**



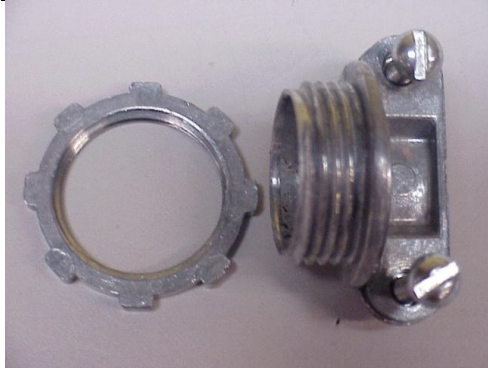
**Figure 2**



Figures 3 & 5 is representative of a not without locking ribs.

**Figure 3** Regal Non locking Nut

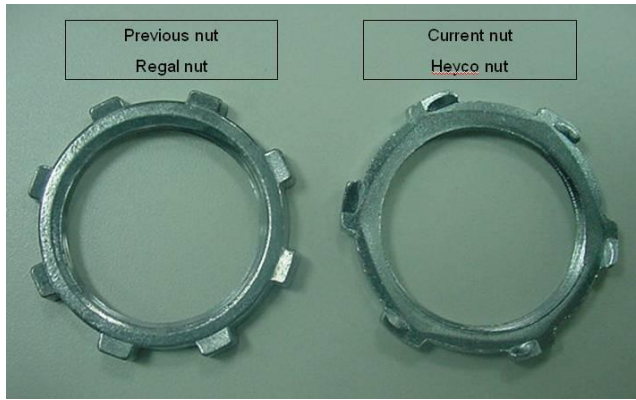
**Figure 4** Heyco locking Nut



Figures 4 & 6 is representative of a nut with locking ribs.

**Figure 5**

**Figure 6**



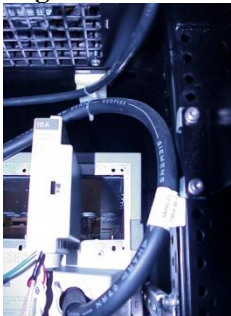
**+Solution/Action:**

The entire AC **INPUT SAFETY COVER** P/N 5040-1676 should be replaced.

**RECOMMENDED WORK-AROUND**

The line cord should be securely fastened at a point 6 to 12 inches away from **INPUT SAFETY COVER** as shown in **Figure 7**. When this type of strain relief is used the electrical code requires the cord/cable being held by the strain relief be secured. Doing this eliminates the cord/cable from being twisted as shown in figure 1.

**Figure 7**



The individual parts shown in **Figure 8** are not available from Agilent parts “SPO” (Support Parts Organization). It is not cost affective to repair the AC **INPUT SAFETY COVER**, a special tool is required to tighten the nut shown in Figure 2.

**ONLY** replace the AC Safety Cover P/N 5040-1676 if the label shown in Figure 8 does not appear on the Safety cover or if the Cover is defective due to described failure, the Safety cover should be replaced at **NO** charge to the customer.

Lost or broken AC Safety Cover will not be replaced using warranty.

**Figure 8**



The information below is what is printed on the label shown in **Figure 8**

Required torque for securing AC Input Cover, 5040-1676, to unit is between 10 – 12 in lbs ( 1.13 – 1.26 N.m).

Required torque for Strain Relief screw is between 2inlb torque.

**Note** Other related Service Notes and affected models:

:  
 6571A-09 6671A-11 6812B-04 66000A-07  
 6572A-09 6672A-11 6813B-06  
 6573A-08 6673A-10  
 6574A-10 6674A-12  
 6575A-10 6675A-12