6671A-11

S E R V I C E N O T E

Supersedes:
NONE

6671A DC POWER SUPPLY, 0-8 V, 0-220 A, 1760 W. GBIB 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:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	X ON SPECIFIED FAILURE [[]] AGREEABLE TIME	STANDARDS LABOR: 0.17 Hours (10min)	
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE [[]] ON-SITE X SERVICE CENTER [[]] CHANNEL PARTNER	SERVICE INVENTORY: X RETURN [[]] SCRAP [[]] SEE TEXT	USED PARTS: X RETURN [[]] SCRAP [[]] SEE TEXT
AVAILABILITY: PRODUCT'S Warranty Only		NO CHARGE AVAILABLE UNTIL: 1/2012	
AUTHOR: CP		PRODUCT LINE: SP	

ADDITIONAL INFORMATION: **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.

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 cable 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

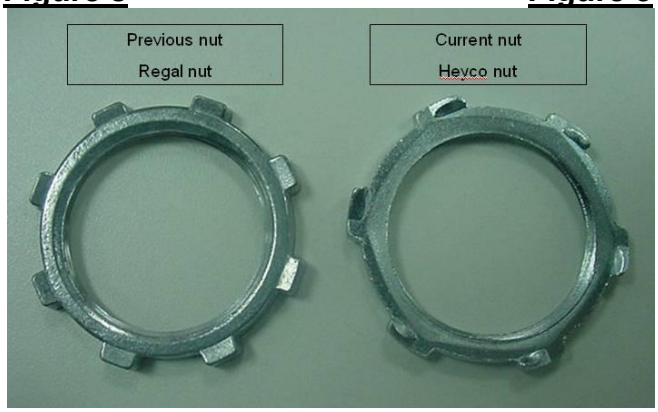
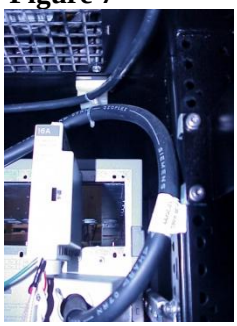


Figure 6

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 tightened using 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		