

11729C-04

S E R V I C E N O T E

SUPERSEDES

HP 11729C Carrier Noise Test Set

Serial Numbers: 2342A00000 / 3014A99999

Isolator (AT2) Replacement

Parts Required:

HP Part No.	Qty.	Description
0515-1646	4	Screw, 60mm
2190-0584	4	Washer, Lock
9135-0185	1	Bandpass Filter, 640MHz (FL9)
11729-21025	2	Filter Clamp, Bottom (MP612)
11729-21026	2	Filter Clamp, Top (MP611)
11729-61017	1	Cable, Semi-rigid (W70)
11729-61018	1	Cable, Semi-rigid (W77)
11729-61019	1	Cable, Semi-rigid (W24)
8493B #006	1	Atten, 6dB (AT2)

Continued

DATE: 25 August 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 2.0 Hours		
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	HP RESPONSIBLE UNTIL: 1 September 1995			
AUTHOR: LHL	ENTITY: 1000	ADDITIONAL INFORMATION:			

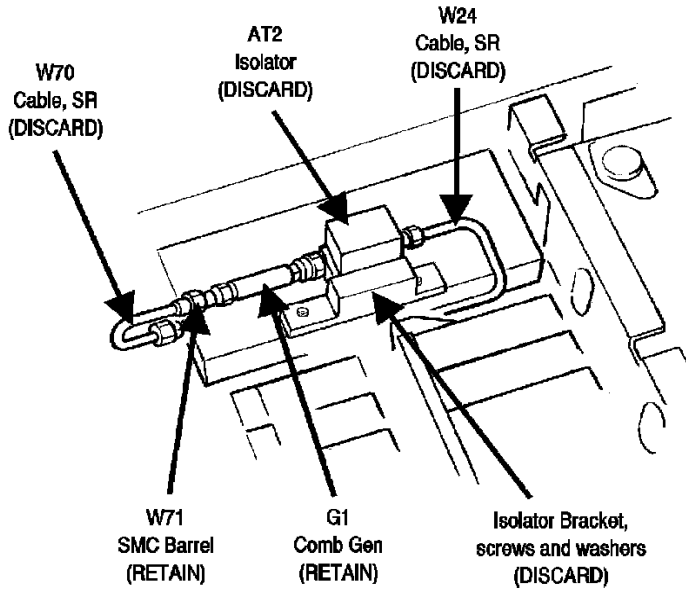
Situation:

The original isolator AT2 (0955-0178) is no longer available for replacement. It is replaced by a 6 dB attenuator and a 640 MHz bandpass filter. Additional parts are required to retrofit the replacement attenuator and filter.

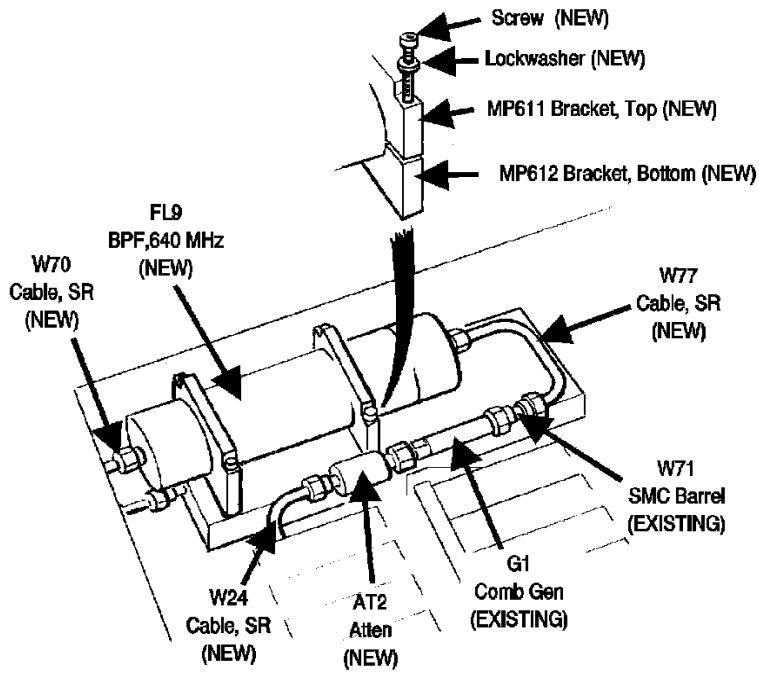
The isolator is one of several components in the 640 MHz IN path that is used to condition external 640 MHz signals prior to internal frequency multiplication. The 640 MHz IN connector is located on the rear panel.

Solution/Action:

- Remove and replace the original isolator per the following procedure.
- Remove the power cord from the power line module.
- Remove all cables from the front and rear panels.
- Remove the top cover.
- Remove and RETAIN the following original components (FIGURE 1):
 - » G1 Comb Generator (0955-0182)
 - » W71 SMC F-F Adaptor (1250-1158)
- Remove and DISCARD the following original components (FIGURE 1):
 - » AT2 Isolator (0955-0178)
 - » W24 Semi-rigid cable (11729-20073)
 - » W70 Semi-rigid cable (11729-20075)
 - » Isolator Bracket (11729-20105) plus 4 screws and 2 washers
- Install these (O)riginal and (R)eplacement components in the following order (FIGURE 2):
 - » R - MP612 Bottom Filter Clamps (11729-21025)
 - » R - FL9 Bandpass Filter (9135-0185)
 - » R - MP611 Top Filter Clamps (11729-21026)
 - » R - Lock washers (2190-0584)
 - » R - Screws (0515-1646)
 - » R - W77 Semi-rigid cable (11729-61018)
 - » O - W71 SMC F-F Adaptor (1250-1158)
 - » O - G1 Comb Generator (0955-0182)
 - » R - AT2 6 dB Attenuator (8493B #006)
 - » R - W24 Semi-rigid cable (11729-61019)
 - » R - W70 Semi-rigid cable (11729-61017)
- Tighten all SMC connectors to 8.5 in/lbs.
- Re-install top cover.
- Perform the Residual Phase Noise performance test (using a test signal of 10 GHz) in the 11729C Operating and Service manual.



Original Configuration
FIGURE 1



Replacement Configuration
FIGURE 2