

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

J2127A-01

S E R V I C E N O T E

Supersedes:
None

Agilent J2127A Transmission Test Set

Serial Numbers: GB27000000/GB27000343

Failure of Optical Covers

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
J1413-65019	Optical Cover	6
J2125-00019	Double leaf ESD conducting insert	2
J2125-00026	Single leaf ESD conducting insert	2

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: 1.0 Hours		
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	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	AGILENT RESPONSIBLE UNTIL:			
AUTHOR: JIM MCW PRODUCT LINE: PL2Q					
ADDITIONAL INFORMATION:					

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Situation:

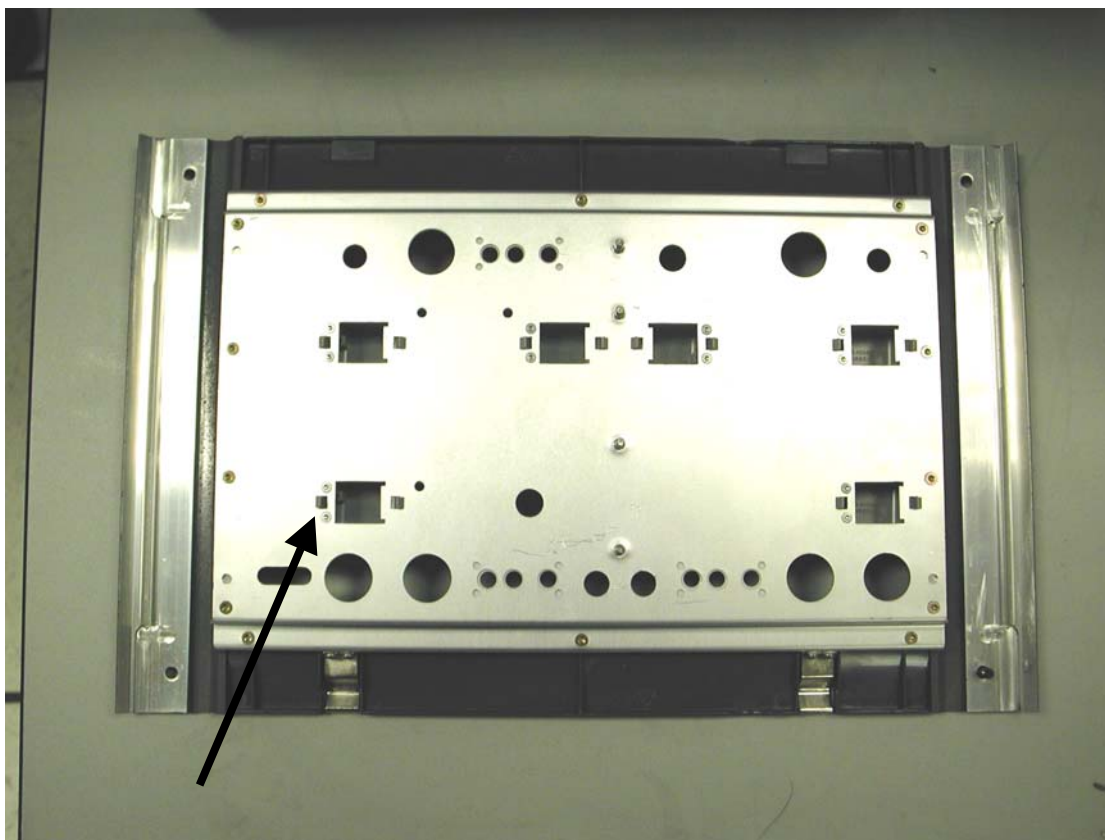
Early shipments of the J2127A Test Sets have a design problem with the optical covers, which makes them prone to cracking.

Solution/Action:

Replace all existing covers with new, more rugged cover.

Description

1. Remove the instrument top panel by unscrewing the four corner screws.
2. Lift off the instrument top panel.
3. Each optical cover is secured to the instrument top panel by a lip on each leg of the cover and also by two screws attached to the base of each cover. See the example arrowed in the illustration below.



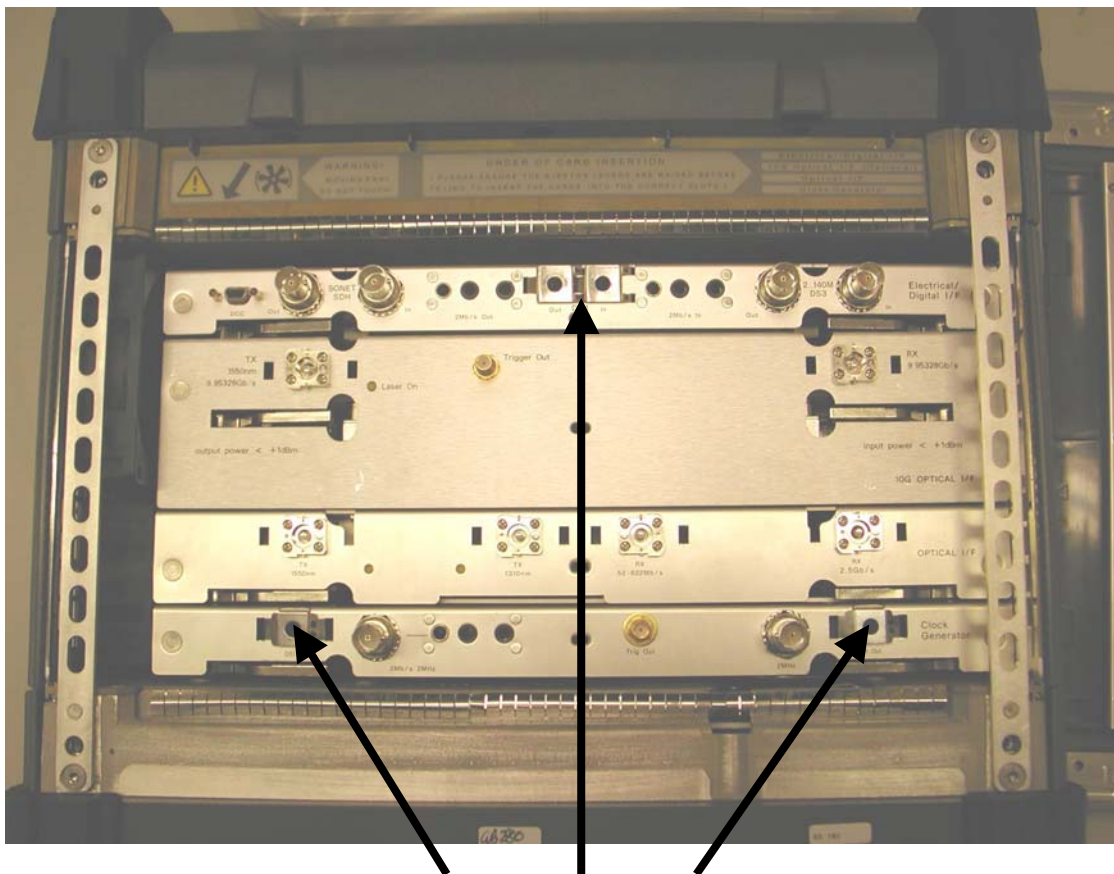
J2127A Instrument Panel - Reverse

4. Remove the two screws from each cover first and then lever free one lip of the cover.
5. The cover should then lift free from the instrument panel.

6. Remove all the remaining covers.
7. Fit the replacement covers by performing the reverse of steps 4 to 6 taking care to position the covers as described below. Ensure the screws on the cover are tightened to a torque of 0.15nm maximum.

Optical Port Cover	Locate Cover with hinge
52M-2.5G 1550nm OUT	Left
52M-2.5G 1310nm OUT	Left
52M-622M IN	Right
2.5G IN	Left
10G 1550nm OUT (J2127A only)	Left
10G IN (J2127A only)	Left

8. Before re-fitting the instrument top panel perform the following checks.
 - a) Check ESD inserts, as shown below, are properly aligned with the DS1 connector sockets.



Instrument ESD Inserts

- b) Replace any damaged inserts, using a suitable tool, such as narrow tweasers.
 - c) When removing any ESD inserts, lever out one side first and lift out the insert.
 - d) To fit a new insert locate one side of the insert first, then locate the other side.
9. Re-check the ESD insert alignment and then refit the instrument top panel.
 10. Ensure the screws securing the instrument top cover are tightened to a torque of 2.8Nm
 11. Finally, using a DS1 Bantam plug, check that there is no friction from the ESD insert as the plug is inserted into each of the DS1 sockets.
 12. End of procedure.