

S E R V I C E N O T E

SUPERSEDES: NONE

**8530A Opt.005(encoder interface capability)
AND Opt. H02 (pulsed capability) Antenna Receiver
with 85370A Antenna Positioner Encoder**

Serial Numbers: 0000A00000 / 9999Z99999

"Overspeed" error when 85370A is used, or no display on 85370A**To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**24 AWG wire, 12" (wire needs to be soldered to the board)
soldering tools**Situation:**

1. When 8530A Opt.005 is used with 85370A encoder in dual syncro mode and angle domain, the error message "Overspeed: backup" may occur at certain angles. Slowing the speed or decrease the average will not eliminate the problem. When the error occurs, 8530 will stop measurement.
2. When the 8530A system has both Opt.005 and Opt. H02 (pulse) (the combination is available as 8530A H58), and 85370A encoder is connected, the 85370A will be powered up (LEDs are lit), but there is no angle display on the 85370A front panel. With the Angle display ON on the 8530 CRT, and positioner turning, the angle displayed on 8530 does NOT change.

Continued

DATE: August 1998

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 type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
		USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: End of support life	
AUTHOR: JK	ENTITY: SRSD	ADDITIONAL INFORMATION: None	



Solution/Action:**8530a Opt. 005:**

- Reorder 08530-60008 board. The modifications are already made at factory production line.

8530A Opt. 005 AND Opt. H02 (the combination is available as **8530A H58**): (2-steps)

- Reorder 08530-60015 board, which is attached to the 8530A front panel. The modifications are already made at factory production line.
- Modify the mother board (85102-60229) of 85102R.

Procedure:

Power off the 85102R, disconnect it from the system and remove from the system rack.

Place 85102R on a ESD safe surface, with bottom up.

Open the bottom cover and following attaching graph to solder the required wires.

Solution / Action: