

S E R V I C E N O T E

SUPERSEDES: NONE

Z2030-41000 UI Actuator Assembly on the Z2030-80100 Nokia Final UI Mechanic Rev. 1.0**Serial Numbers:** All Date Codes**Improved safety ground procedure****To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

P/N	Description	Quantity
To the Z2030-41000 UI Actuator Assembly add:		
P280057	Star Washer	1
M2185-4007-SS-0	Hex Standoff	1
M4X0.7X10MM	Cap Screw	1 Peak to provide

Situation:

The Z2030-41000 UI Acutator Assembly's grounding wire mounting is not compliant with customary grounding practice. The protective grounding wire is connected along with other ground wires that are ususally called extender grounds. This condition provides the opportunity for the metal enclosure to possibly become undergrounded if; the bonding screw becomes loose, or if the extender ground wires are changed or removed and the retaining screw is inadequately tightened. Loss of ground is the loss of one part of a two-part protection system against electric shock hazard. The customary grounding practice is to

DATE: September 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR 1.0 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: September 2000
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:	

isolate the protective grounding wire from the extender grounds such that these ground wires may be removed during maintenance without disturbing the protective ground connection. The identified units do not have the protective ground connection isolated from other grounding wires. The protective ground wire is the wire that is connected at the ac input power receptacle ground pin and connects to the product chassis.

Solution / Action:

Upgrade the current safety ground attachment method to ensure the AC Input Module safety ground remains; even if the remaining safety ground wires (Amplifier #1, Amplifier #2 and Motor Cover) are removed for fixture service or repair.

Assembly procedures for safety ground upgrade:

Place Qty 1 P280057 Star Washer on to male threads of new M2185-4007-SS-0 Hex Standoff, followed by the AC Input Module safety ground wire ring terminal. Thread this assembly into the Mechanic safety ground mounting hole. Tighten and torque the Hex Standoff to 20 lbs/in +/- 10%. Place the second P280057 Star Washer (re-used from the current safety ground assembly) onto threads of the M4 x 10mm Cap Screw, followed by the three remaining safety ground ring terminals (Amplifier #1, Amplifier #2 and Motor Cover - the order of assembly is arbitrary). Thread this assembly into the Hex Standoff mounting hole. Tighten and torque the M4 x 10mm Cap Screw to 12 lbs/in +/- 10%. The M4 x 10mm Cap Screw is tightened to the smaller torque specification to ensure the AC Input Module safety ground remains securely fastened to the Mechanic frame while an operator removes the remaining safety grounds for service or repair.