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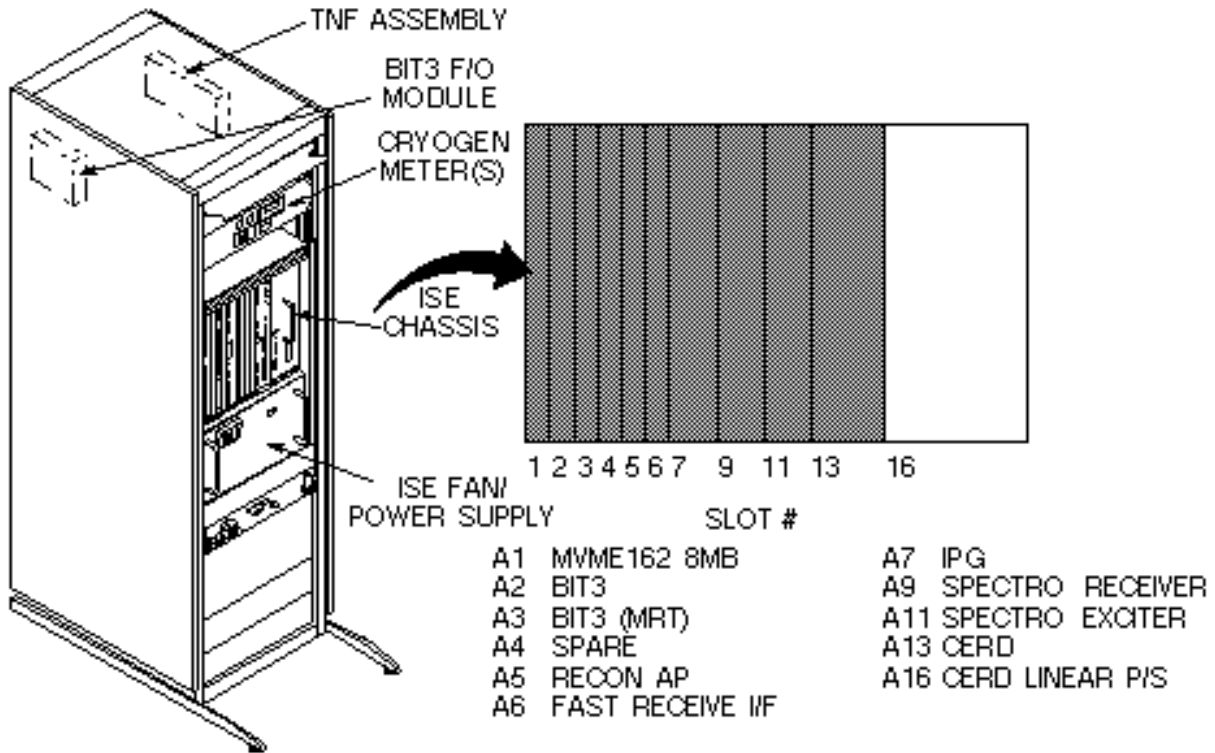
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This information applies to 0.7T systems only.

1- SYSTEM CABINET AND TPS/ISE CHASSIS COMPONENT LOCATIONS

These Illustrations show the locations of the subsystems that are part of the Transceiver Subsystems. Use these Illustrations when troubleshooting or performing procedures to locate specific component locations.

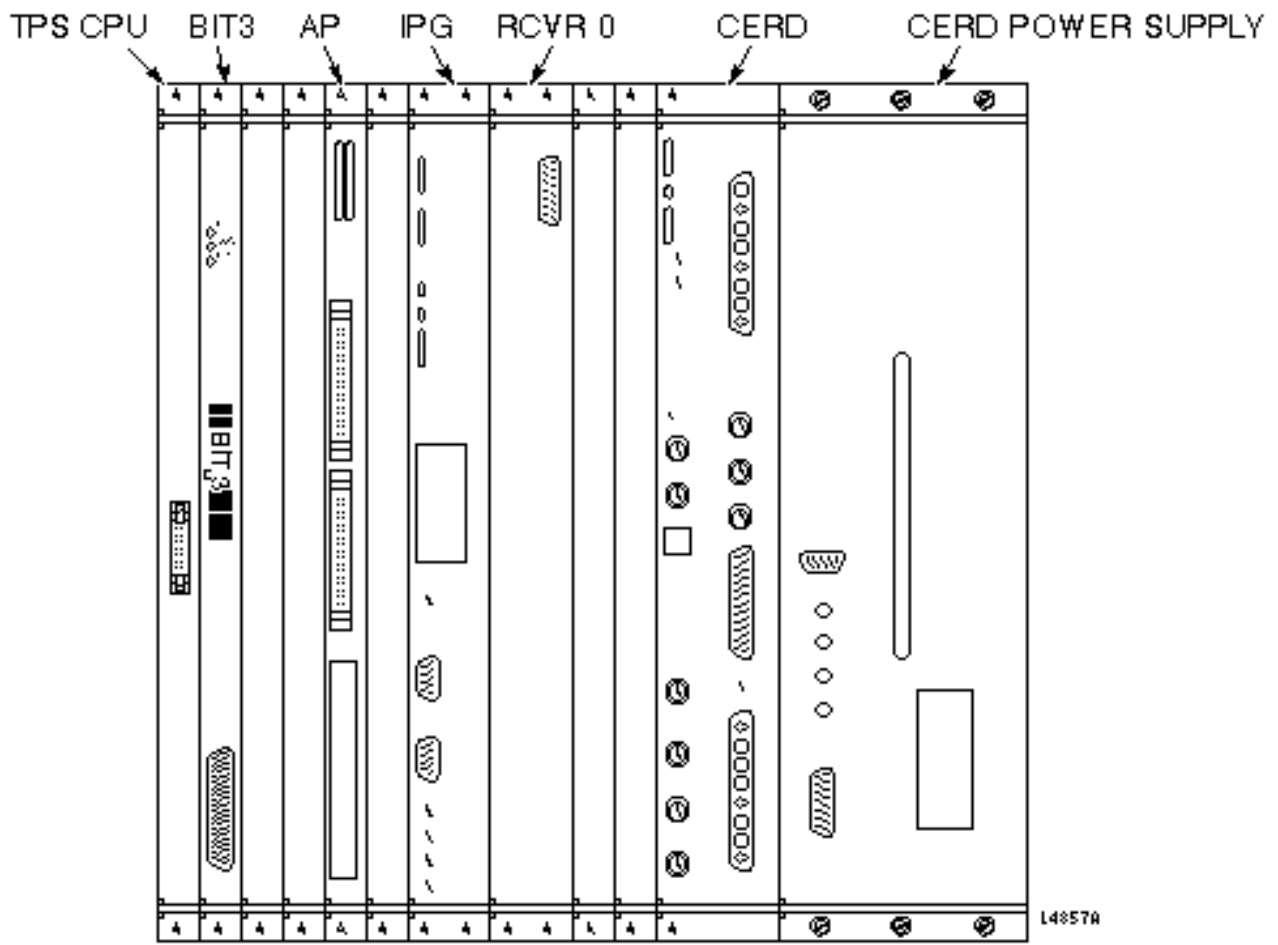
See Illustration L2959A, System Cabinet Component Locations.



SYSTEM CABINET COMPONENT LOCATIONS
 ILLUSTRATION L2959A

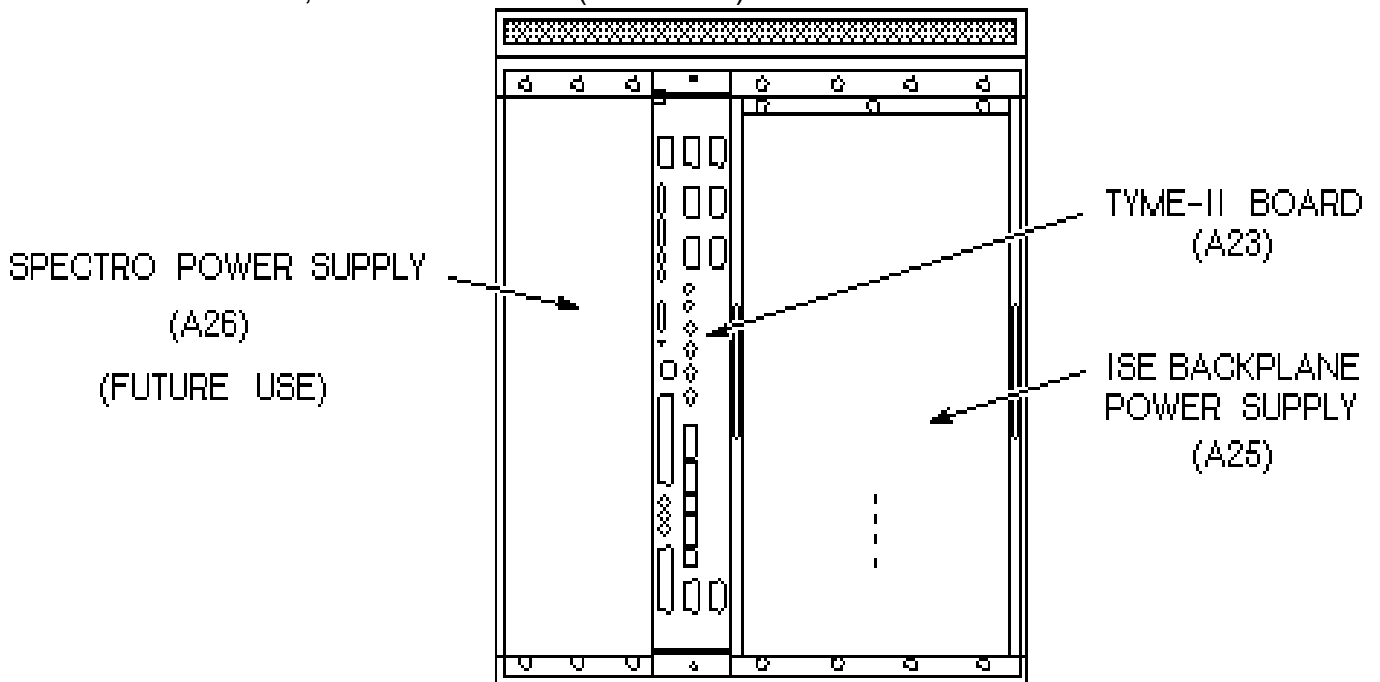
LXXXX

See Illustration L2960A, TPS/ISE Chassis Front.



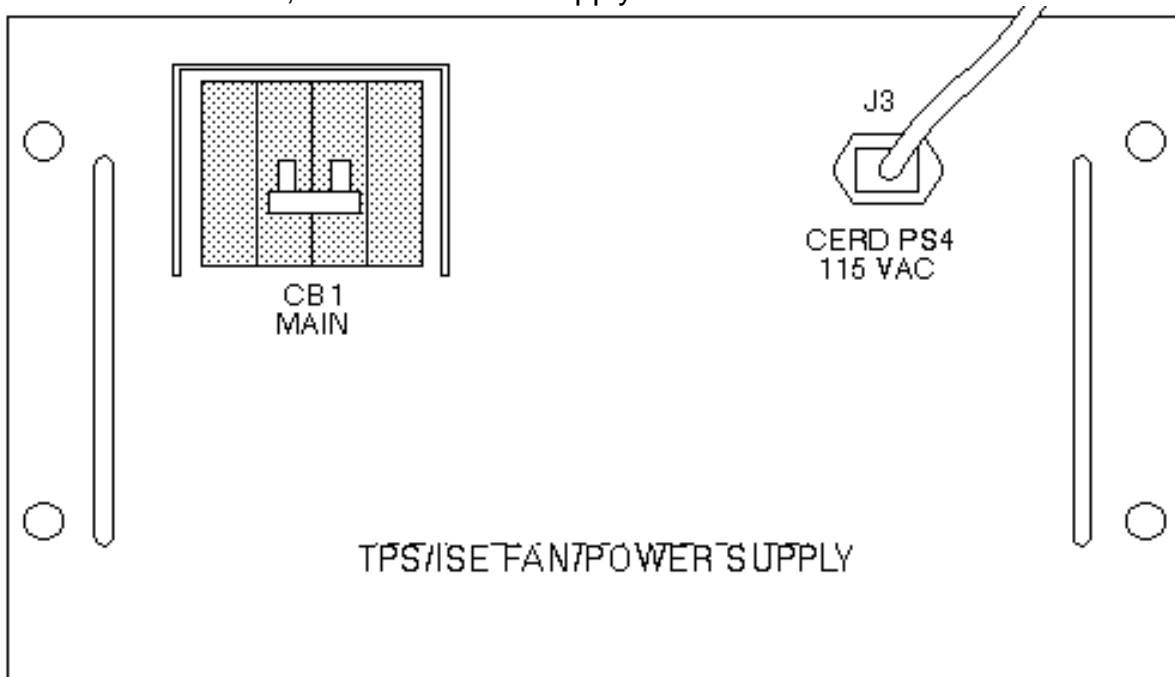
TPS/ISE CHASSIS FRONT
 ILLUSTRATION L2960A

See Illustration L2961A, TPS/ISE Chassis (Rear View).



TPS/ISE CHASSIS (REAR VIEW)
ILLUSTRATION L2961A

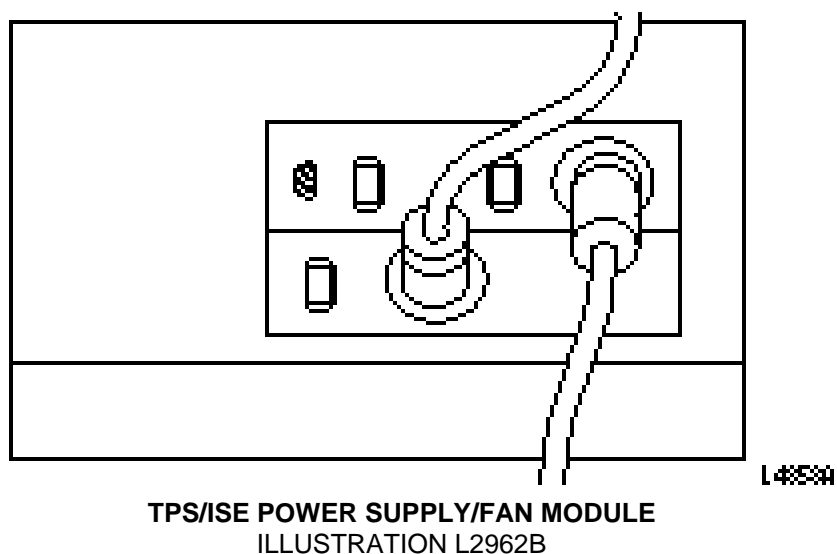
See Illustration L2963A, TPS/ISE Power Supply.



ISE FAN/POWER MODULE (FRONT VIEW)
TPS POWER SUPPLY
ILLUSTRATION L2963A

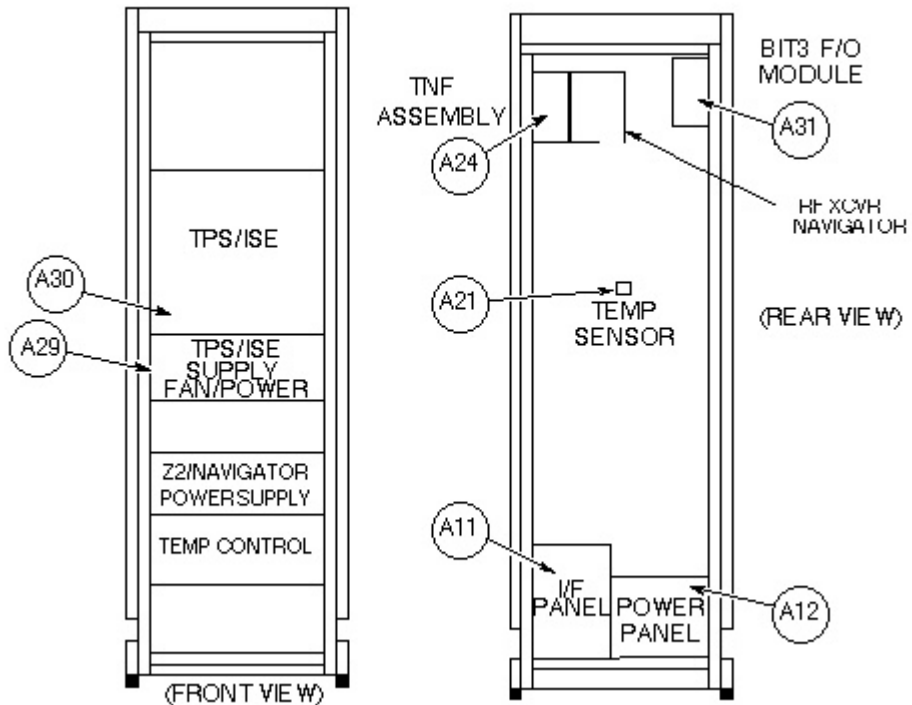
See Illustration L2962B, TPS/ISE Power Supply/Fan module Rear View.

ISE/FAN₂
POWER MODULE



TPS/ISE POWER SUPPLY/FAN MODULE
ILLUSTRATION L2962B

See Illustration L2531B, TPS/ISE Fan Module, BIT3 F/O Module, TNF Assembly.



SYSTEM CABINET MISC HARDWARE COMPONENT LOCATIONS
ILLUSTRATION L2531B

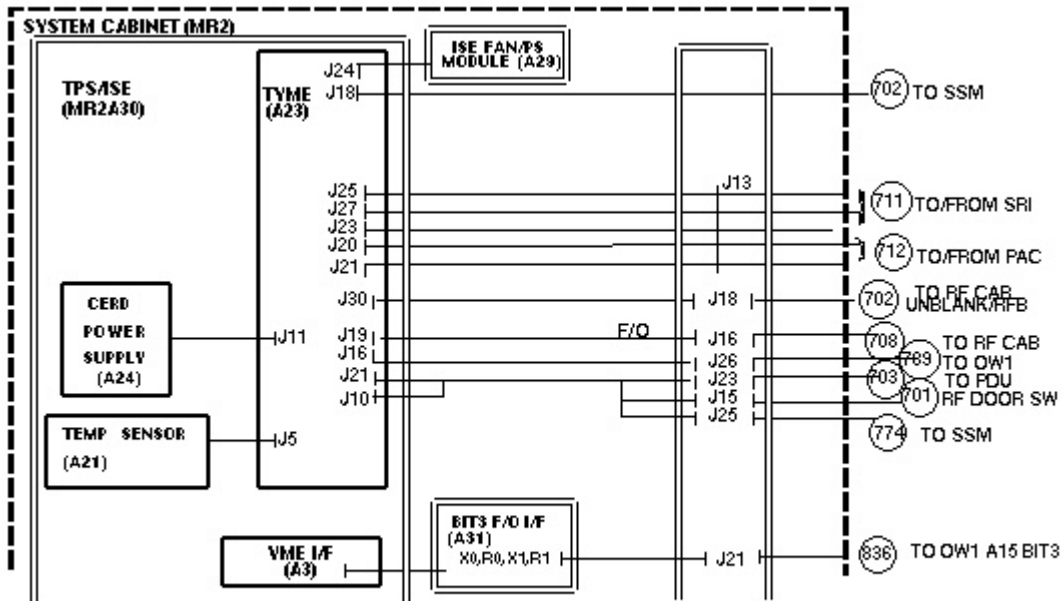
See Illustration L2532A, Cable connections at I/F Panel (MR2 A11).

TABLE ??-?? (CONTINUED)

J34	RUN 951 TO PP1 J100
J35	RUN 949 TO PP1 J13
J36	
J37	RUN 958 TO PP1 J59
J38	RUN 957 TO PP1 J58
J39	RUN 952 TO MS5 BV J1 (BYPASS VALVE)
J40	

2- SYSTEM CABINET AND TPS/ISE CHASSIS INTERCONNECTS

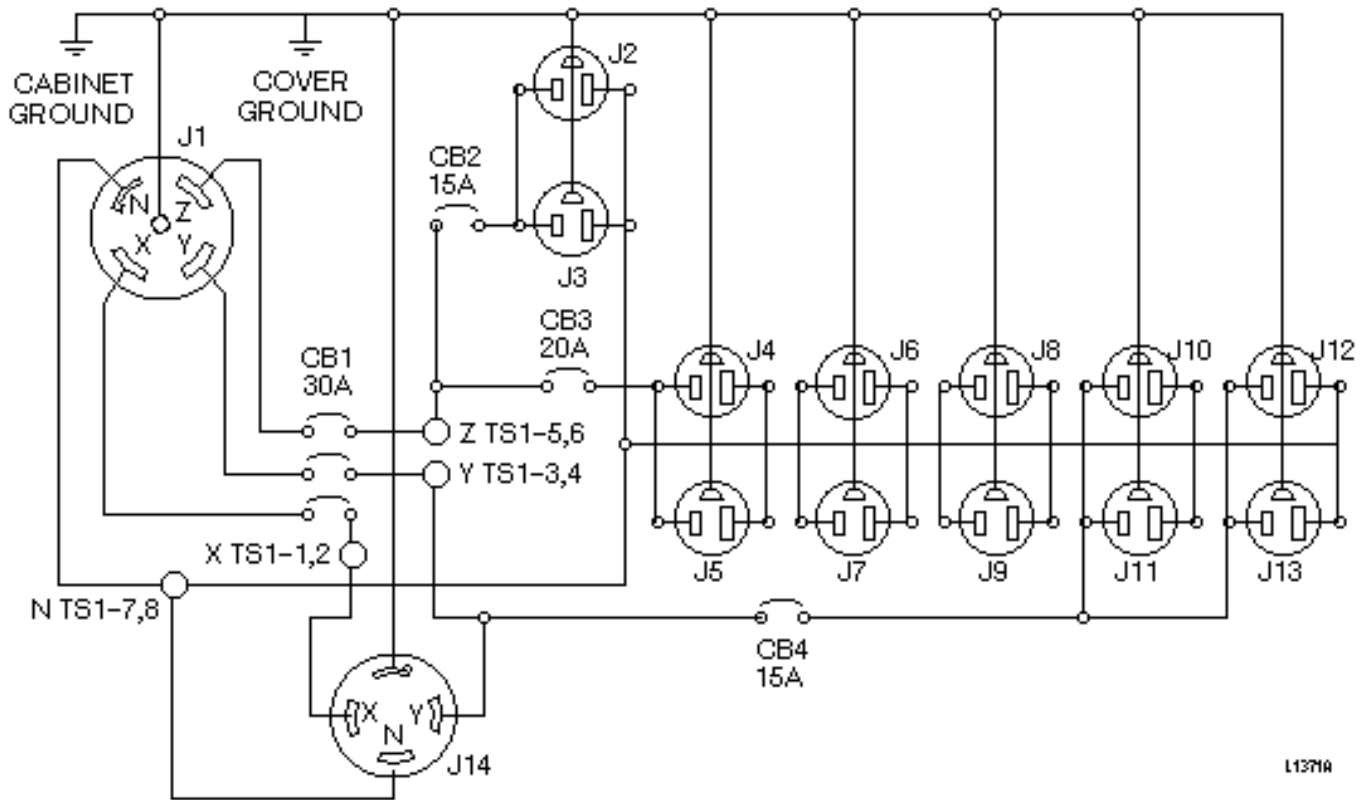
See Illustration 2-1, System Cabinet and TPS/ISE Interconnect.



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SYSTEM CABINET AND TPS/ISE INTERCONNECT
 ILLUSTRATION 2-1

See Illustration 2-2. System Cabinet Power Panel Interconnect.

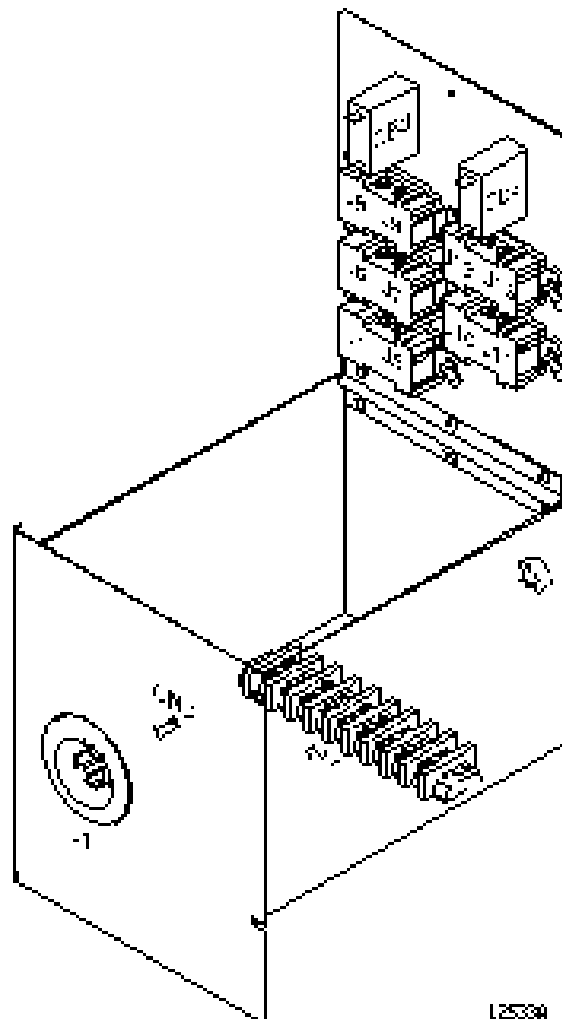


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SYSTEM CABINET POWER PANEL INTERCONNECT
ILLUSTRATION 2-2

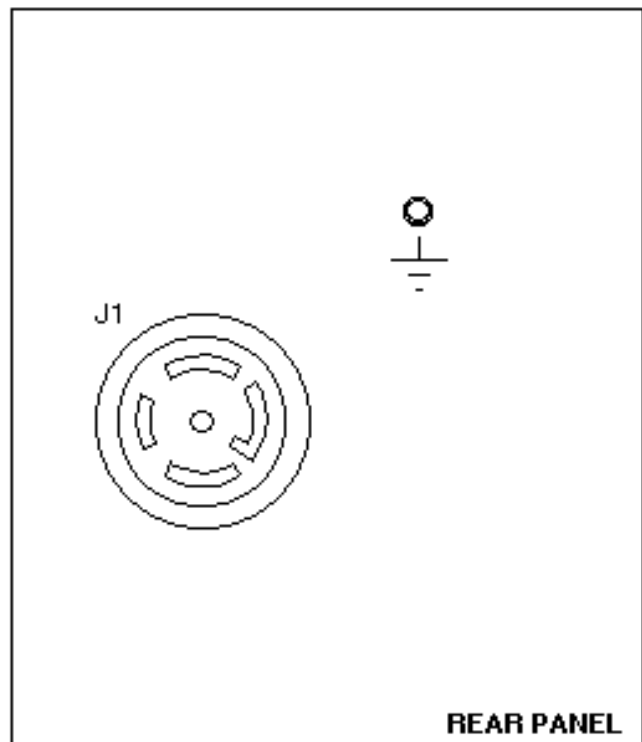
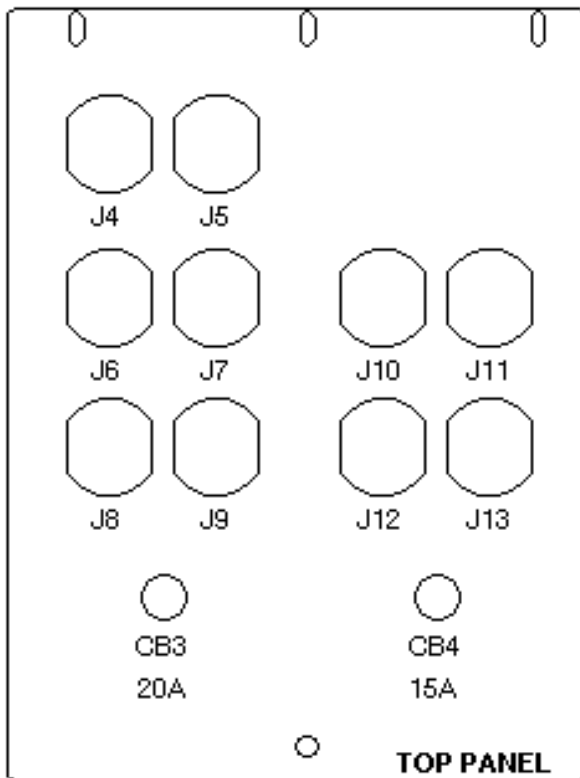
3- POWER PANEL (MR2 A12)

Incoming System Cabinet AC power (3-phase 208VAC), Neutral, and Ground connects to Terminal Strip TS1. Power Panel distributes 115V, (or 3-phase 208V) to cabinet modules. Illustration 3-1 shows location of plugs, terminal strips, and circuit breakers. The ground stud (GND) at the back of this panel is connected to Run 037 (ground cable to PDU) because System Cabinet leakage current exceeds 500 uA.



POWER MODULE COMPONENT LOCATIONS
ILLUSTRATION 3-1

Outlets on module cover provide 115VAC through CB2, CB3 and CB4 for cabinet module line cords at locations shown in Illustration 3-2. Service instruments connect to "J2" and "J3" outlets which are powered by a separate circuit breaker. System Cabinet power cord must be connected and energized and CB1 must be ON for the Service Outlet to be energized. Service of this module will require the System Cabinet Service power to be turned off or disconnected, locked out, and tagged.



SYSTEM CABINET POWER OUTLET COMPONENT LOCATION
 ILLUSTRATION 3-2

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TPS/ISE 208VAC cord connects directly to CB4 and TS1 Terminal Strip. Refer to Table 1 for circuit breaker ratings.

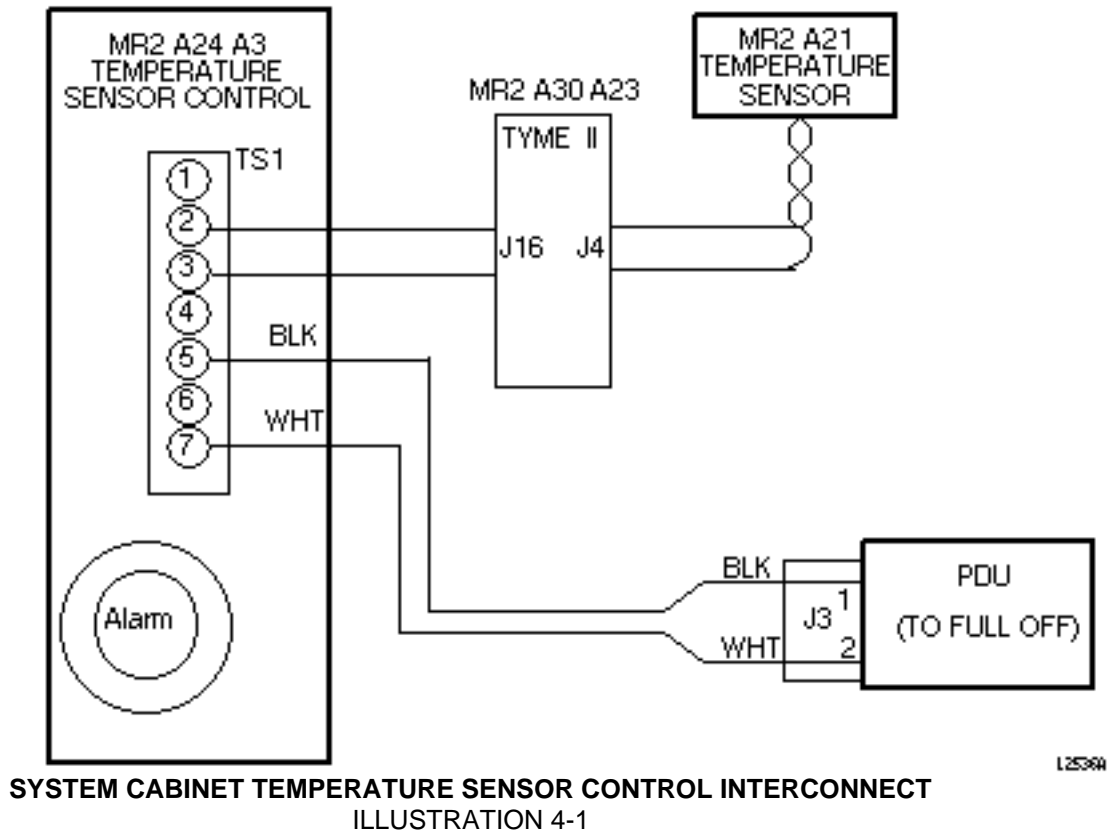
TABLE 3-1
SYSTEM CABINET POWER MODULE CIRCUIT BREAKERS

CIRCUIT BREAKER	BREAKER RATING	CIRCUITS
CB1	3-POLE, 30A, 250V	INCOMING POWER FOR MODULE
CB2	1-POLE, 15A, 250V	J2 & J3 (SERVICE OUTLETS)
CB3	1-POLE, 20A, 250V	J6 (TNF MODULE) J8 & J9 (Z2/NAVIGATOR)
CB4	1-POLE, 15A, 250V	J12 & J13 (BIT-3 & MRT F.O.)

4- TEMPERATURE SENSOR CONTROL

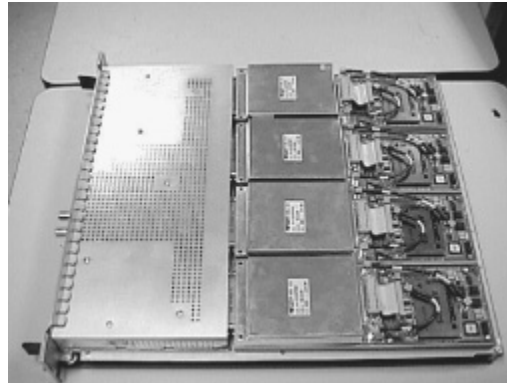
System Cabinet Temperature Sensor Control alarm sounds when temperature sensor (MR2 A21) reaches 94° Fahrenheit. After three minutes, time delay relay (K1) switches the PDU to FULL OFF which shuts down power completely.

System Cabinet Temperature Sensor Control interconnect is shown in Illustration 4-1.



5- UCERD (UNIVERSAL COMBINED EXCITER, RECEIVER, DIGITAL) COMPONENT LOCATIONS

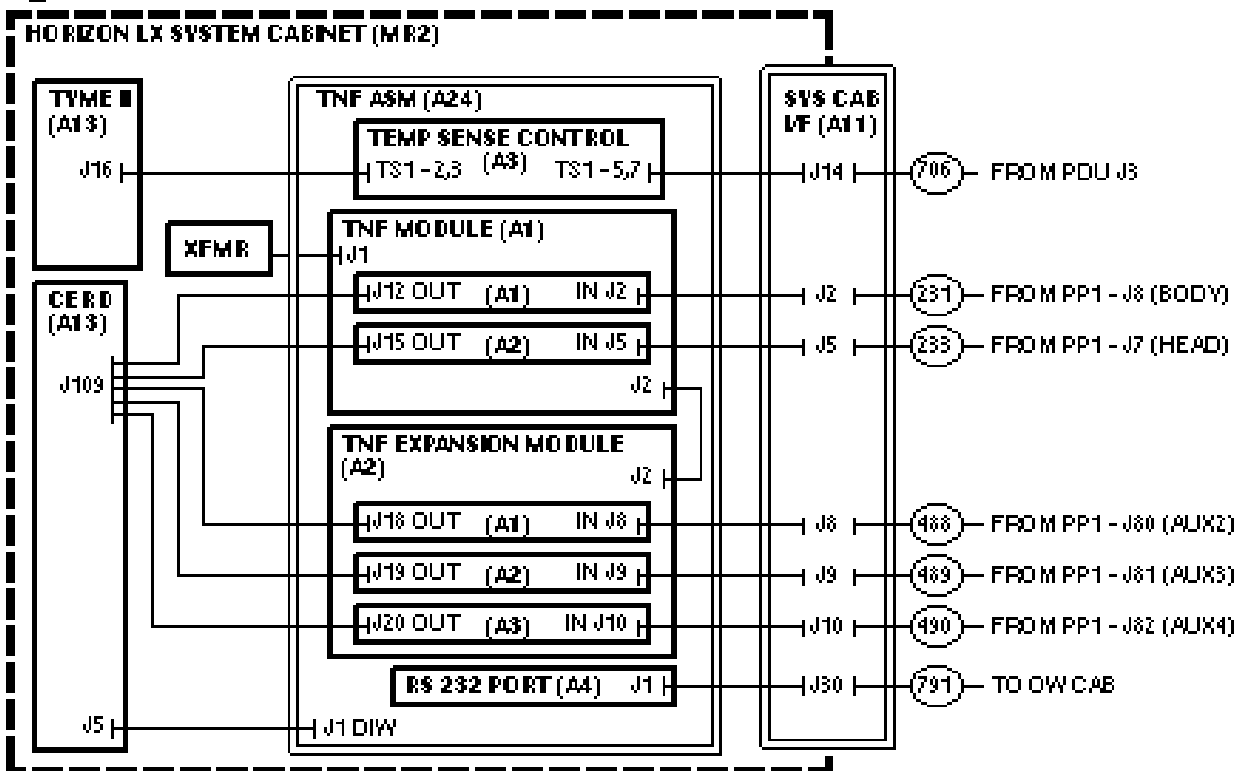
Illustration 5-1 shows the UCERD components.



UCERD COMPONENTS
 ILLUSTRATION 5-1

6- TNF ASSEMBLY COMPONENT LOCATIONS

Illustration 6-1 - Multicoil System Cabinet TNF Assembly with Expansion



MULTICOIL SYSTEM CABINET TNF ASSEMBLY INTERCONNECTS
 ILLUSTRATION 6-1

REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
A	July 20, 2000	K. Laughlin-Parker	Initial version – used Rev 1 of 8X as baseline