

**INSTALLATION STEPS SUMMARY**

- **A1 - Operator Workspace Table Anchor Installation**
- **A2 - Securing Operator Workspace Table to Floor**
- **A3 - Attach Workspace Interface Module (2141978 series) to Table**
- **A4 - Attach Power Distribution Box (46- 307830G1) to Table**

**Note:** The CERD Spike Noise Test Cable (2168505) is part of the 8.x Octane Operator Workspace Cable collector (2154392- 2). Remove this cable from the collector and place it in the TPS RF Service Interface Kit (46- 301927G1).

**- A1 - OPERATOR WORKSPACE TABLE ANCHOR INSTALLATION**

**TOP VIEW**

30.55 (776)

52.75 (1340)

- ① Refer to room layout plan and consult with Site customer for exact location of Operator Workspace Table (2135998- 2).
- ② Remove and discard the two (2) cover plugs. Locate and mark on floor the two hole locations at the front of the table legs.
- ③ Move table to prepare for installing the floor anchors in Steps 4 and 5.
- ④ At each hole marked in Step 2, drill a .38 inch hole and insert 1/4- 20 x .375 diameter anchor (2168253).
- ⑤ Secure anchor in place with supplied Setting Tool (2168781).

**- A2 - SECURING OPERATOR WORKSPACE TABLE TO FLOOR**

- ① Insert Bushing (2151454) in table leg hole.
- ② Insert as many Flat Washers (2168251) as required (3 provided for each leg) for securing table to floor.
- ③ Insert one Lock Washer (2168252) on top of Flat Washer(s).
- ④ Depending upon depth of previously installed anchor, install either the 1- 3/4 inch long or the 2 inch long 1/4 x 20 Hex Socket Cap Screw.
- ⑤ Install black nylon Plug (2168254).
- ⑥ Repeat anchoring process below for other leg.

**- A3 - ATTACH WORKSPACE INTERFACE MODULE (2141978 series) TO TABLE**

- ① Unfasten four (4) screws from under side of table top.
- ② Turn (2) two knobs on front of Module.
- ③ Slide cover off Module.
- ④ Attach cover to bottom side of table using (4) screws previously removed.
- ⑤ Slide Module into cover.

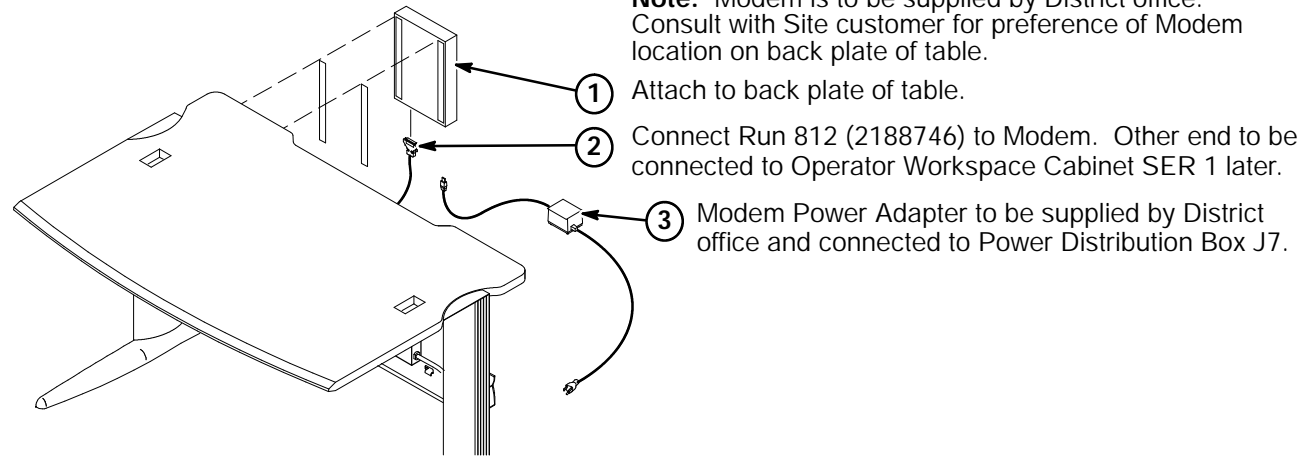
**- A4 - ATTACH POWER DISTRIBUTION BOX (46- 307830G1) TO TABLE**

- ① Loosen, do not remove, (4) screws from under side of table top.
- ② Position Power Distribution Box below table.
- ③ Swing Box down from mounting cover.
- ④ Move to under side of table and slide mounting cover onto four previously loosened screws.
- ⑤ Tighten four screws.

**INSTALLATION STEPS SUMMARY**

- B1 - Attach Modem to Table
- B2 - Attach DASM to Table
- B3 - Attach Serial Expansion Box Asm to Table
- B4 - Install Keyboard on Table

**B1 - ATTACH MODEM TO TABLE**

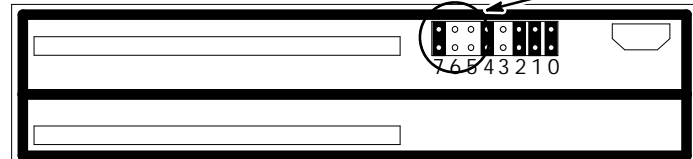


- Note:** Modem is to be supplied by District office. Consult with Site customer for preference of Modem location on back plate of table.
- ① Attach to back plate of table.
  - ② Connect Run 812 (2188746) to Modem. Other end to be connected to Operator Workspace Cabinet SER 1 later.
  - ③ Modem Power Adapter to be supplied by District office and connected to Power Distribution Box J7.

**B2 - ATTACH DASM TO TABLE**

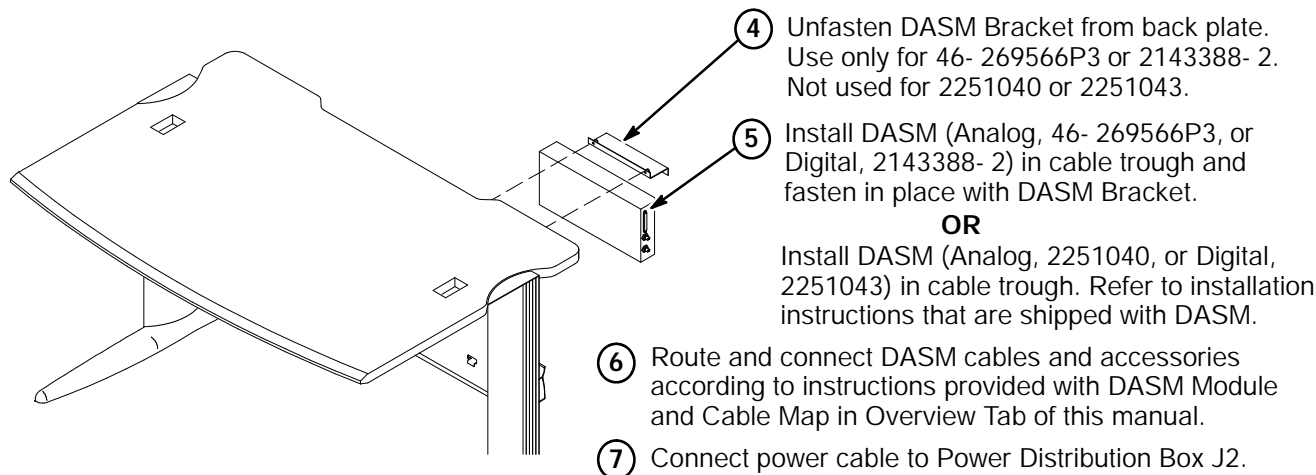
**Note:** The Analog and Digital DASMs are shipped with the jumper set to SCSI ID=0. This is the correct ID for an AW, but incorrect for Signa Horizon LX (SCSI ID=3).

- ① Unfasten DASM cover screw and remove cover.
- ② For SCSI ID = 3, set Configuration Jumper J2 as follows: 5=OFF, 6=OFF, 7=ON  
**Note:** A jumper in the OFF position enables the SCSI ID bit.
- ③ Re-attach DASM cover.



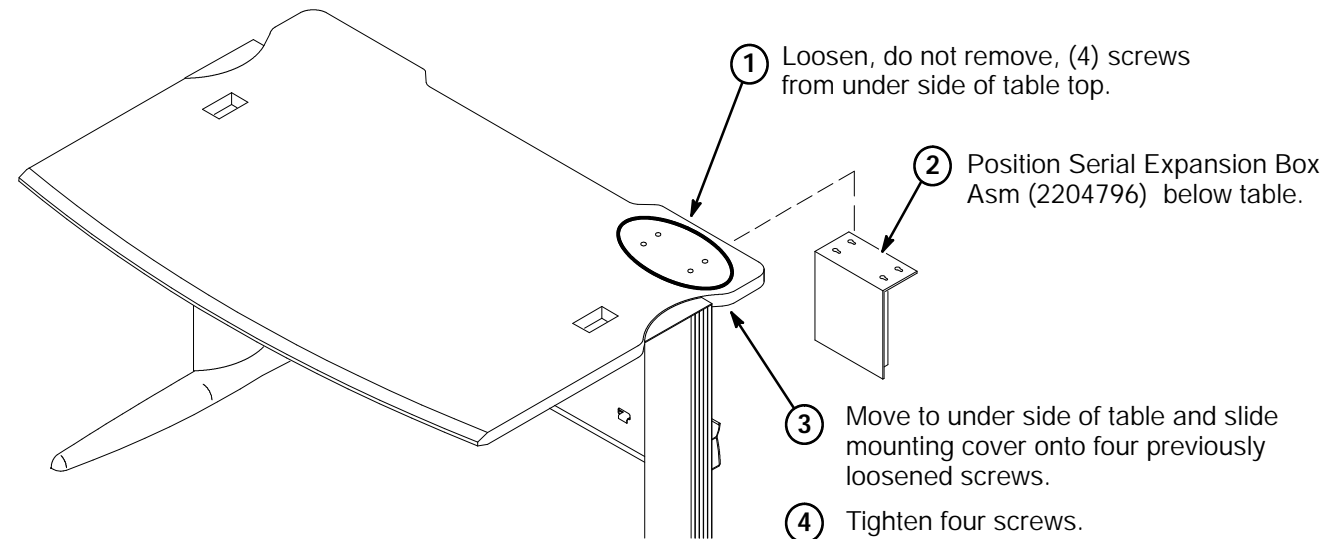
**Note:** Consult with Site customer for preference of DASM location. This procedure installs DASM in the cable trough. Customer may prefer DASM on top of table.

**CAUTION:** Longer SCSI cables cannot be substituted.



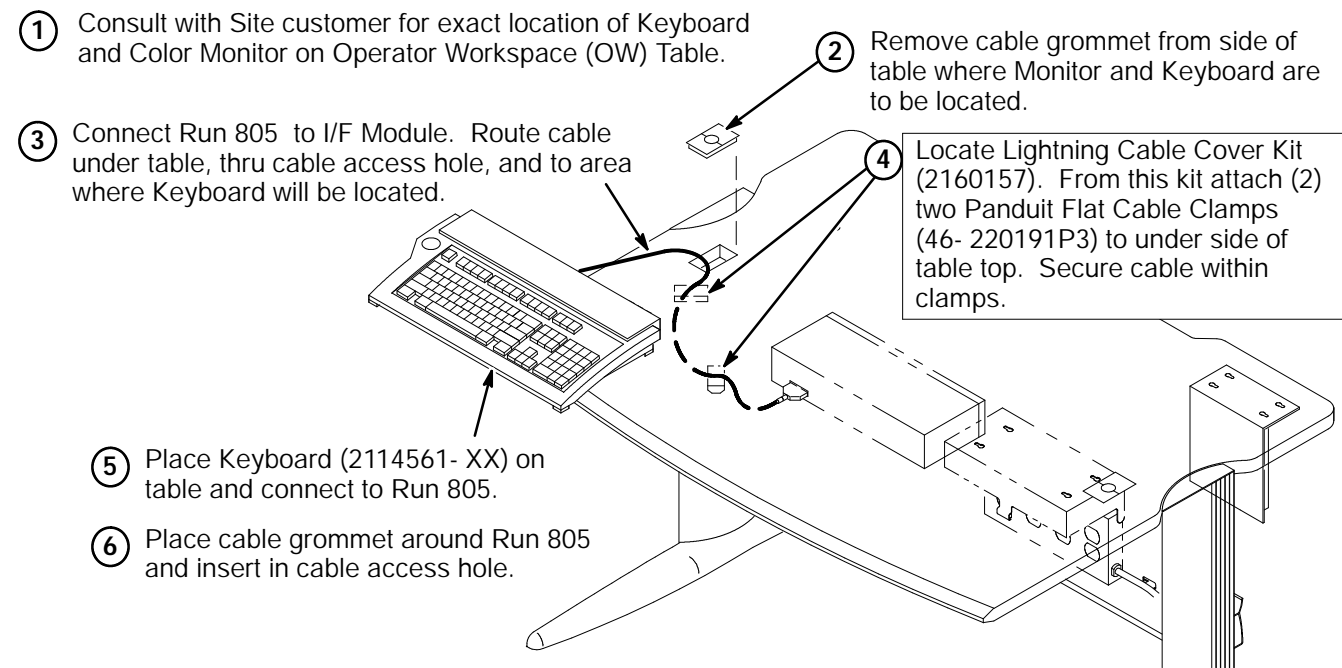
- ④ Unfasten DASM Bracket from back plate. Use only for 46- 269566P3 or 2143388- 2. Not used for 2251040 or 2251043.
- ⑤ Install DASM (Analog, 46- 269566P3, or Digital, 2143388- 2) in cable trough and fasten in place with DASM Bracket.  
**OR**  
Install DASM (Analog, 2251040, or Digital, 2251043) in cable trough. Refer to installation instructions that are shipped with DASM.
- ⑥ Route and connect DASM cables and accessories according to instructions provided with DASM Module and Cable Map in Overview Tab of this manual.
- ⑦ Connect power cable to Power Distribution Box J2.

**B3 - ATTACH SERIAL EXPANSION BOX ASM TO TABLE**



- ① Loosen, do not remove, (4) screws from under side of table top.
- ② Position Serial Expansion Box Asm (2204796) below table.
- ③ Move to under side of table and slide mounting cover onto four previously loosened screws.
- ④ Tighten four screws.

**B4 - INSTALL KEYBOARD ON TABLE**



- ① Consult with Site customer for exact location of Keyboard and Color Monitor on Operator Workspace (OW) Table.
- ② Remove cable grommet from side of table where Monitor and Keyboard are to be located.
- ③ Connect Run 805 to I/F Module. Route cable under table, thru cable access hole, and to area where Keyboard will be located.
- ④ Locate Lightning Cable Cover Kit (2160157). From this kit attach (2) two Panduit Flat Cable Clamps (46- 220191P3) to under side of table top. Secure cable within clamps.
- ⑤ Place Keyboard (2114561- XX) on table and connect to Run 805.
- ⑥ Place cable grommet around Run 805 and insert in cable access hole.

**NOTE:**

Three types of color monitors and one black and white monitor are available for installation. The following procedures provide instructions on installing the monitors. Use the correct procedure(s) after determining which monitor has been delivered to the site.

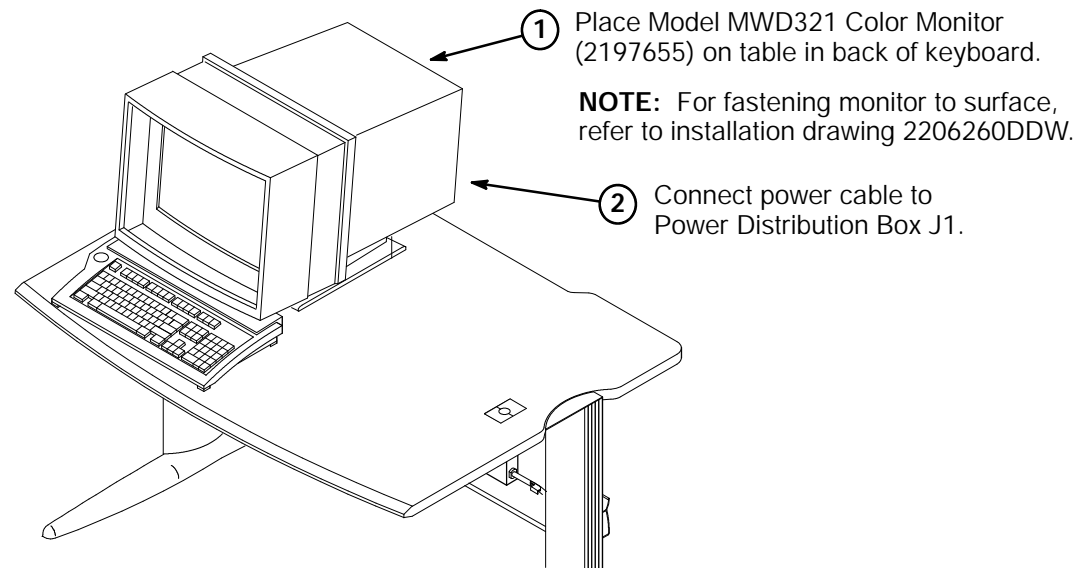
**INSTALLATION STEPS SUMMARY**

- C1 - Install Model MWD321 Color Monitor (2197655) on Table  
OR
- C2 - Install Model LCD2000 Color Monitor (2213962) on Table  
OR
- C3 - Install Model ICD751 Color Monitor (2141622) on Table  
OR
- C4 - Install Black and White monitor (2133089) on Table

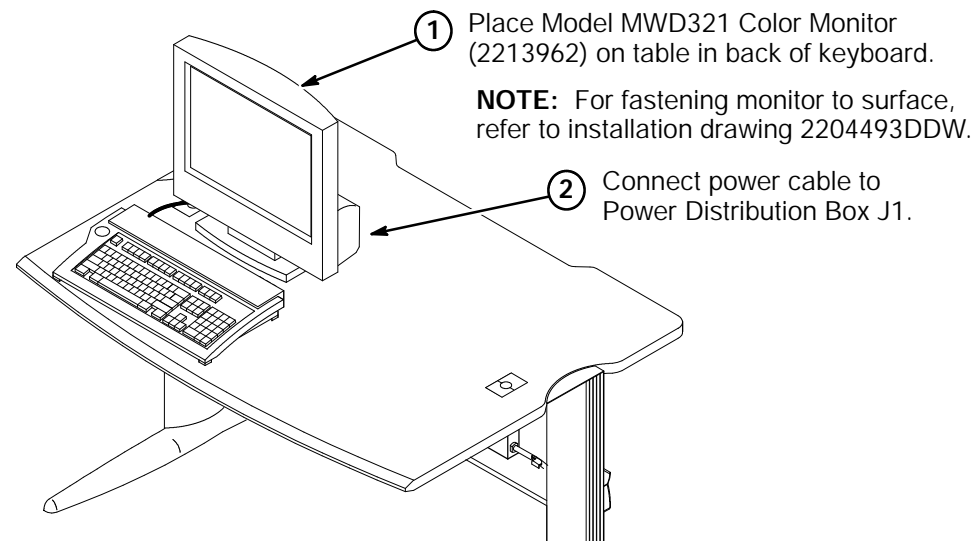
**NOTE:**

Consult with Site customer for exact location of Color Monitor on Operator Workspace Table.

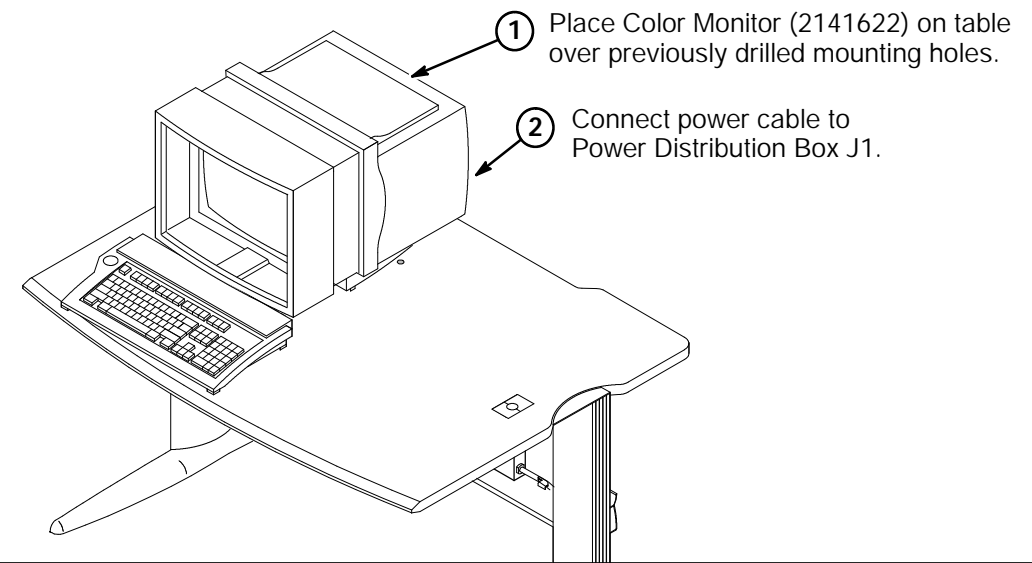
**- C1 - INSTALL MODEL MWD321 COLOR MONITOR (2197655) ON TABLE**



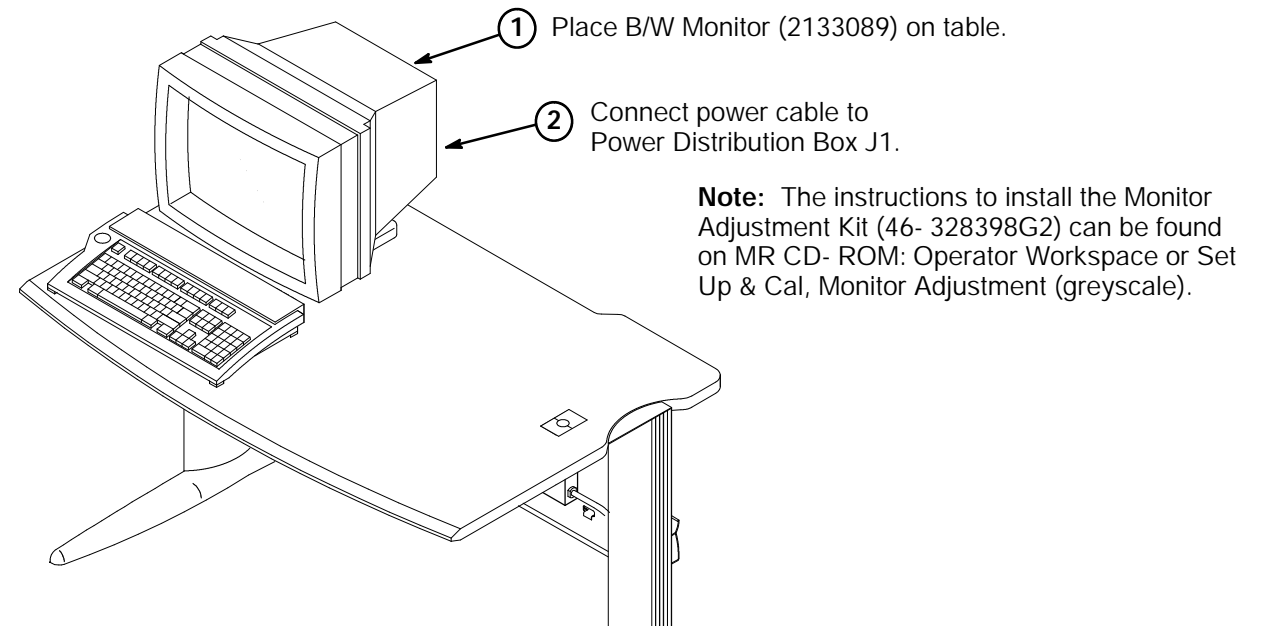
**- C2 - INSTALL MODEL LCD2000 COLOR MONITOR (2213962) ON TABLE**



**- C3 - INSTALL MODEL ICD751 COLOR MONITOR (2141622) ON TABLE**



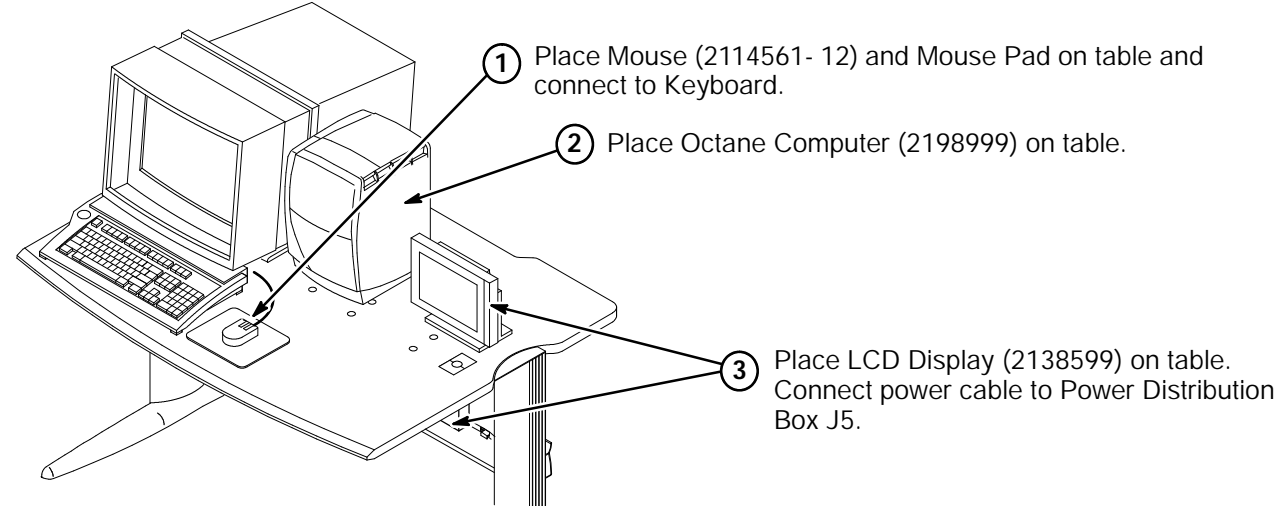
**- C4 - INSTALL BLACK AND WHITE MONITOR (2133089) ON TABLE**



## INSTALLATION STEPS SUMMARY -

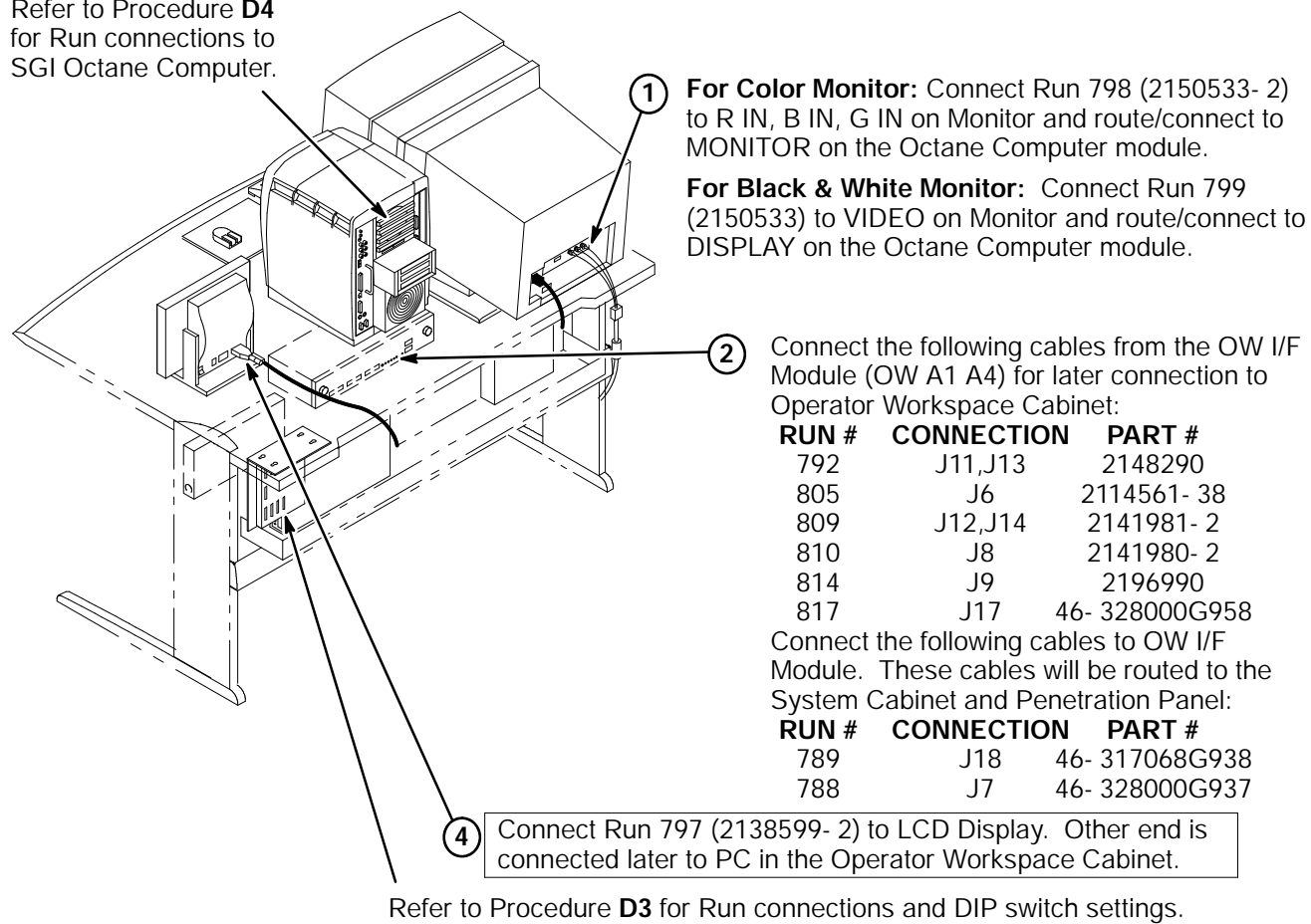
- D1 - Install Mouse, Monitor, DAT, MOD, and LCD Display on Table
- D2 - Connect Table Component Cables
- D3 - Serial Expansion Box Set Up
- D4 - SGI Octane Computer Cables Connections
- D5 - Locate Operator Workspace Cabinet in Front of Table

### - D1 - INSTALL MOUSE, MONITOR, DAT, MOD, AND LCD DISPLAY ON TABLE

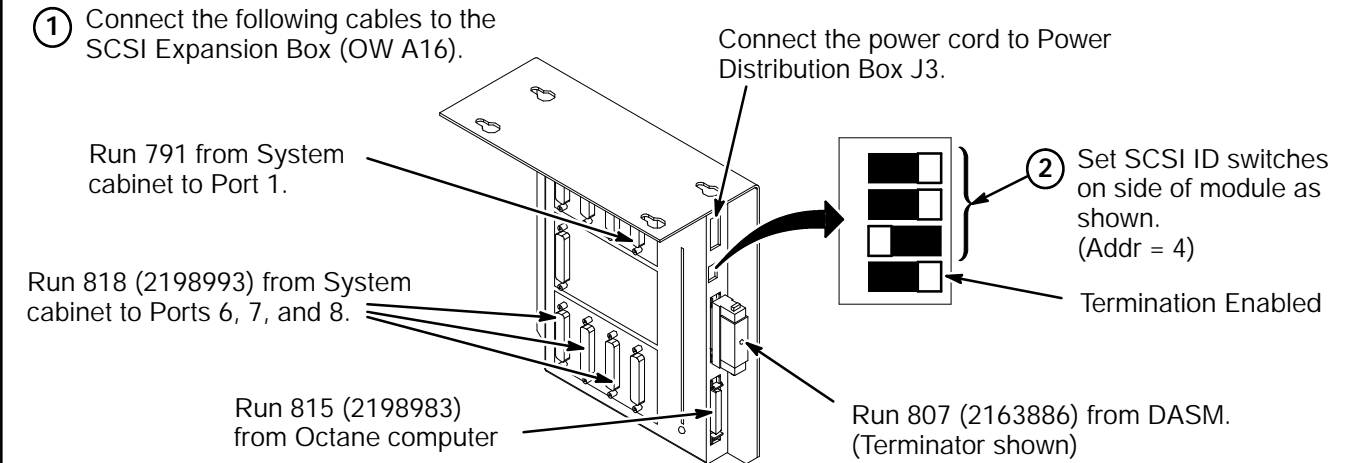


### - D2 - CONNECT TABLE COMPONENT CABLES

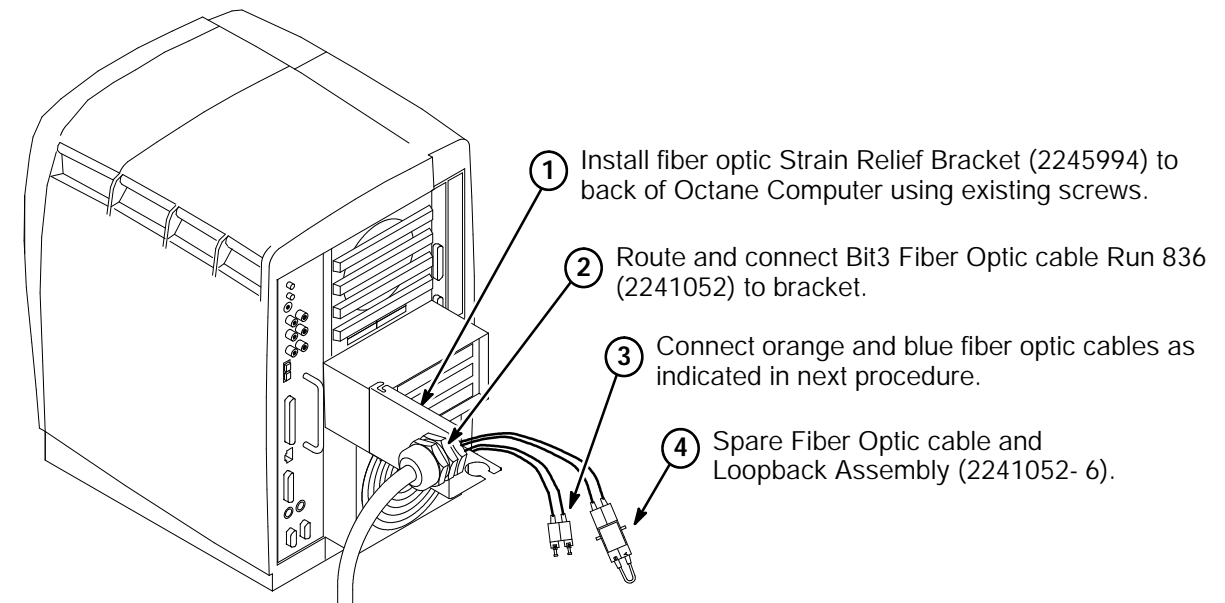
Refer to Procedure D4 for Run connections to SGI Octane Computer.



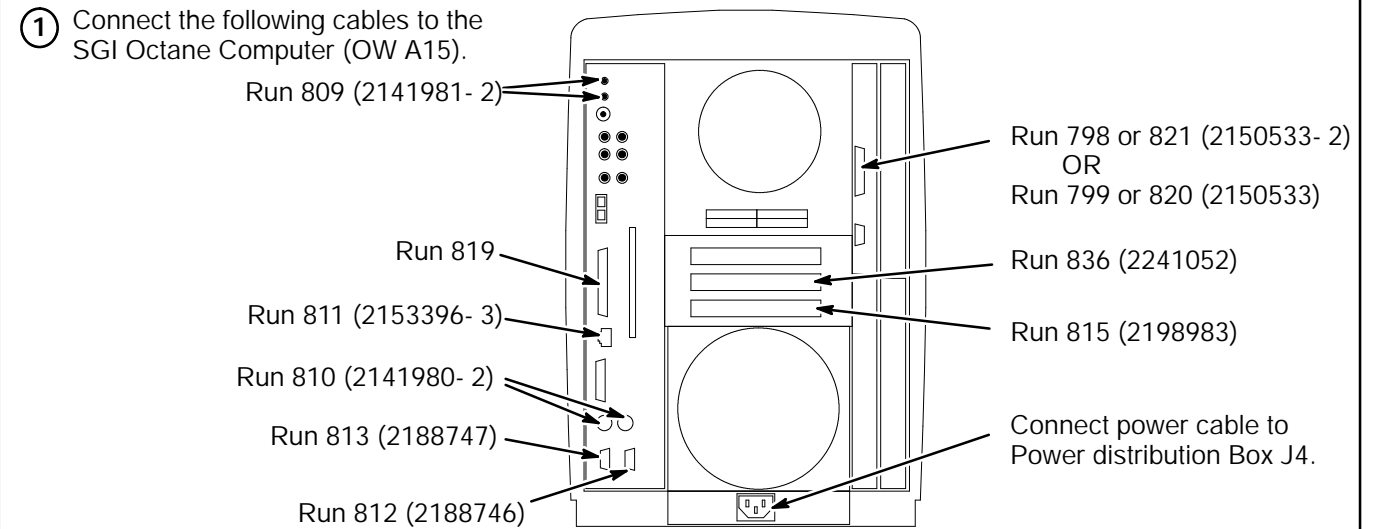
### - D3 - SERIAL EXPANSION BOX SET UP



### - D4 - SGI OCTANE COMPUTER CABLES CONNECTIONS



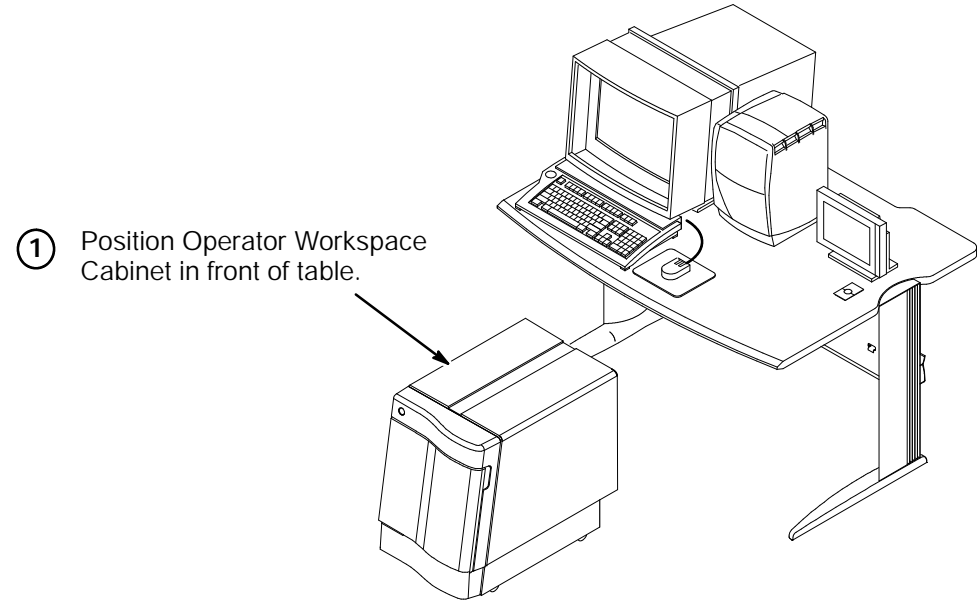
### - D5 - SGI OCTANE COMPUTER CABLES CONNECTIONS



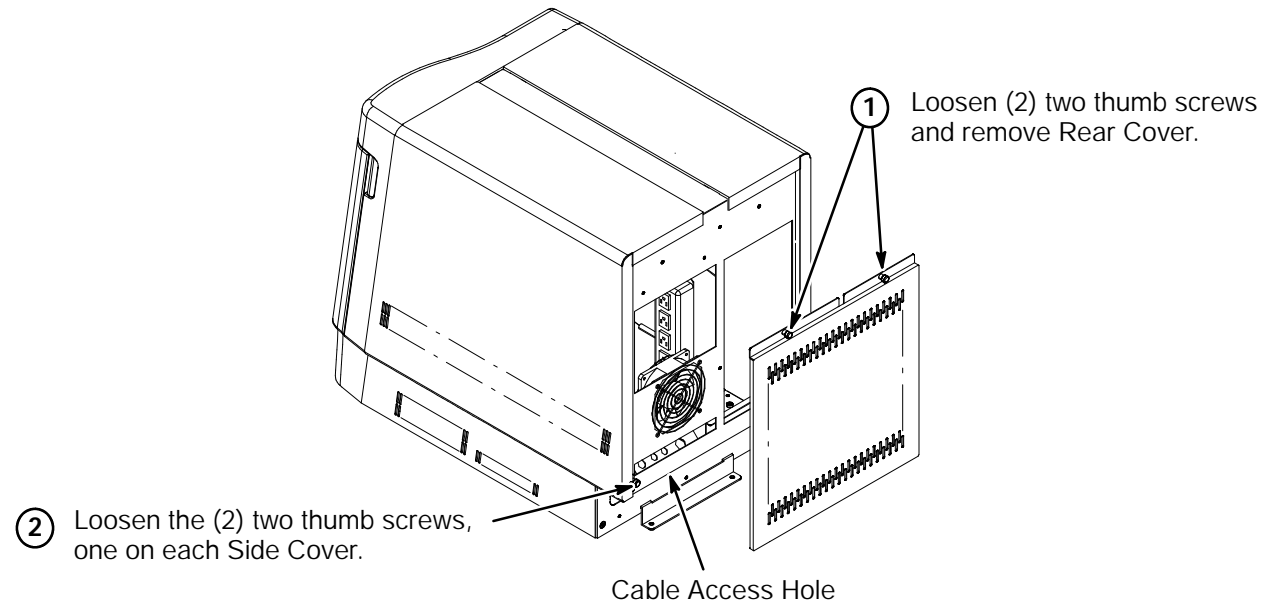
**INSTALLATION STEPS SUMMARY**

- E1 - Remove Operator Workspace Cabinet Rear Cover
- E2 - Remove Operator Workspace Cabinet Front And Side Covers
- E3 - Connect Ethernet Cables
- E4 - Route/Connect Runs 790 and 816 to Bit3 Module
- E5 - Route/Connect Runs 792, 797, 813, and 814 to PC Module

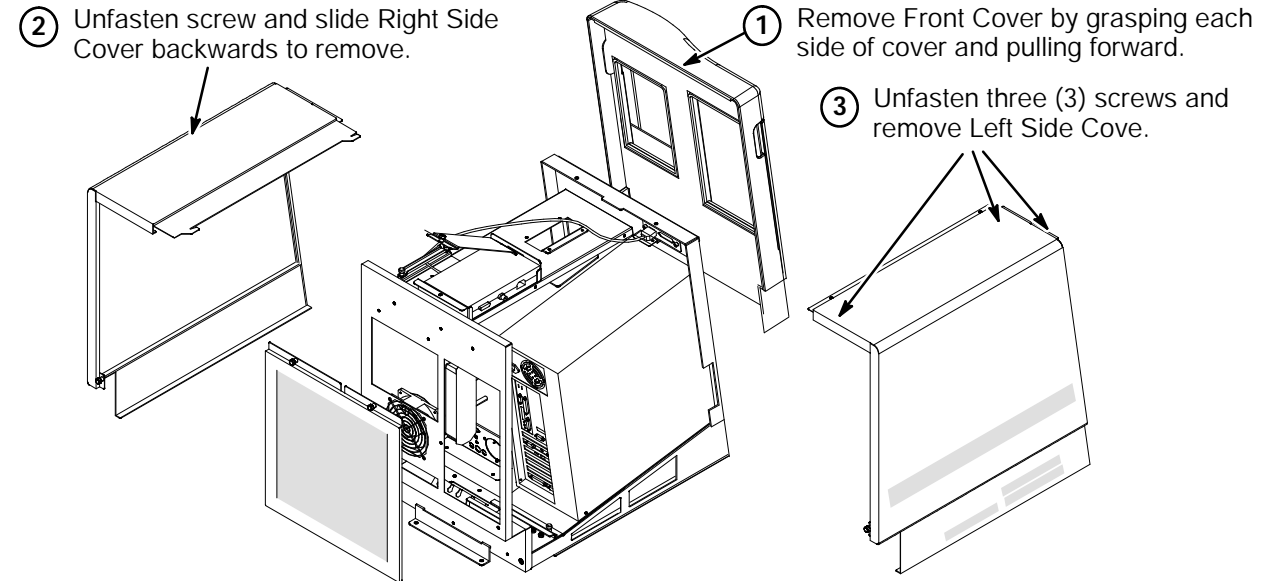
**- D5 - LOCATE OPERATOR WORKSPACE CABINET IN FRONT OF TABLE**



**- E1 - REMOVE OPERATOR WORKSPACE CABINET REAR COVER**



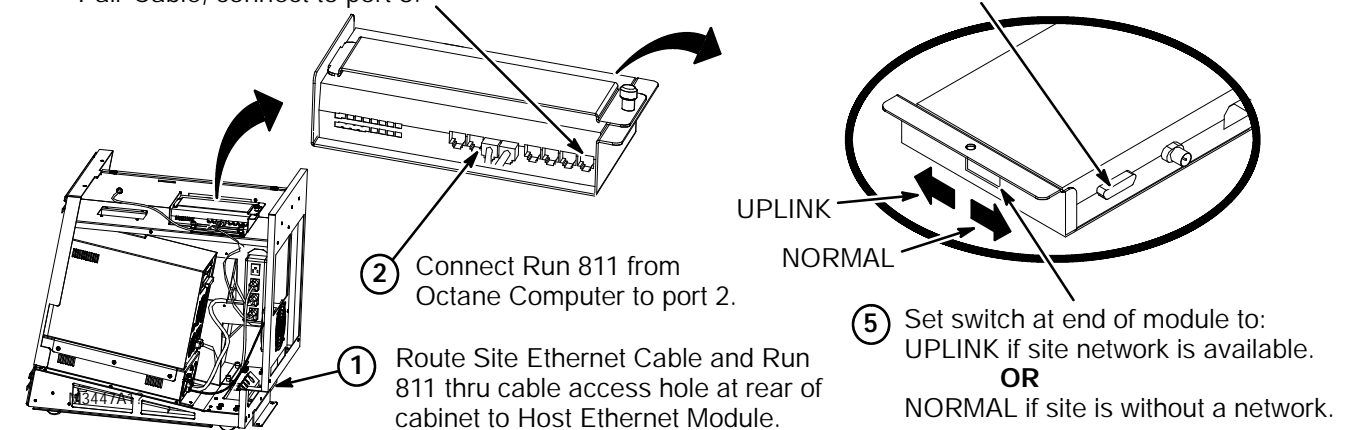
**- E2 - REMOVE OPERATOR WORKSPACE CABINET FRONT AND SIDE COVERS**



**- E3 - CONNECT ETHERNET CABLES**

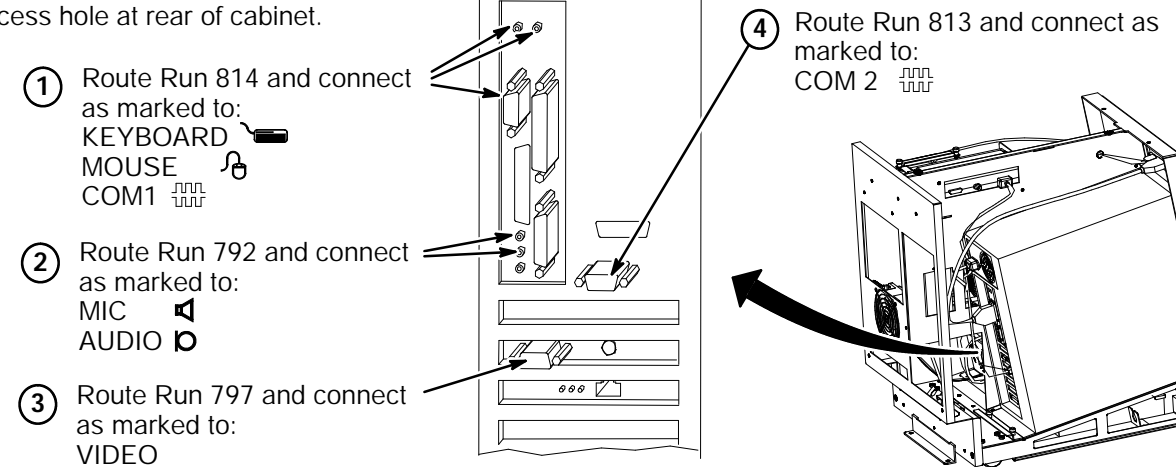
**Note:** Site Ethernet cable is supplied by customer.

- ③ If cable supplied is a Shielded Twisted Pair Cable, connect to port 8. **OR** ④ If cable supplied is an AUI Ethernet Cable, connect to AUI 15-pin port on other side of Module.



**- E5 - ROUTE/CONNECT RUNS 792, 797, 813, AND 814 TO PC MODULE**

**Note:** Route cables thru access hole at rear of cabinet.



PROCEDURES F1 THRU F5 ARE USED ONLY WHEN UPGRADING FROM 5.x PLATFORMS, **DO NOT PERFORM PROCEDURES F1 THRU F5 FOR NEW OCTANE INSTALLATIONS**

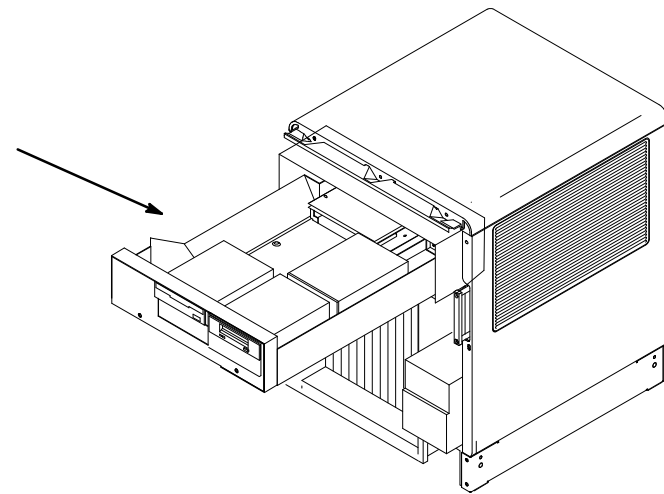
**INSTALLATION STEPS SUMMARY**

- F1 - Removal of DAT and MOD Drives from Genesis Computer
- F2 - Install DAT and MOD Drives (Legacy Media) in SCSI Expansion Box
- F3 - DAT Drive Settings
- F4 - MOD Drive Settings
- F5 - Install DAT and MOD Drives (Legacy Media) in SCSI Expansion Box

**F1 - REMOVAL OF DAT AND MOD DRIVES FROM GENESIS COMPUTER**

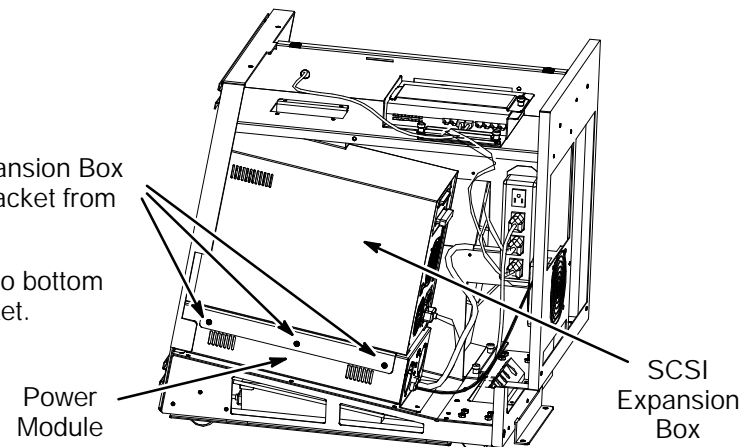
**UPGRADE FROM 5.x OPTIONS:**

For transferring Legacy Media DAT and MOD Drives from Genesis Computer - refer to Tab 13, Directions 2174955 and 2174956, steps **A1** thru **A4** only for removal of existing drives.



**F2 - INSTALL DAT AND MOD DRIVES (LEGACY MEDIA) IN SCSI EXPANSION BOX**

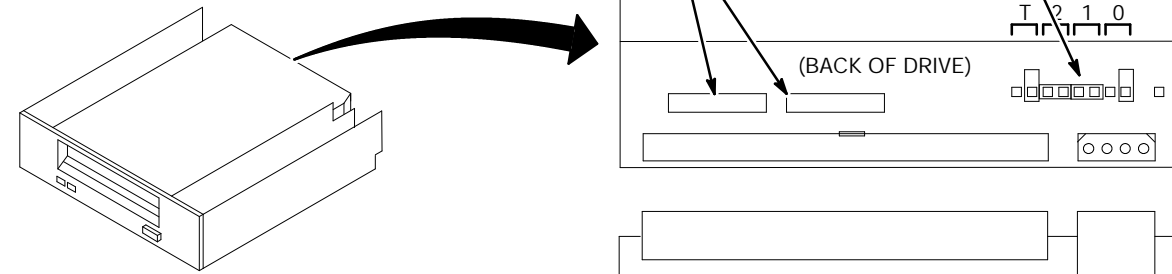
- 1 Unfasten three (3) screws from SCSI Expansion Box mounting bracket and remove Box and bracket from power module.
- 2 Unfasten six (6) screws that hold bracket to bottom of SCSI Expansion Box and remove bracket.
- 3 Remove SCSI Expansion Box cover.



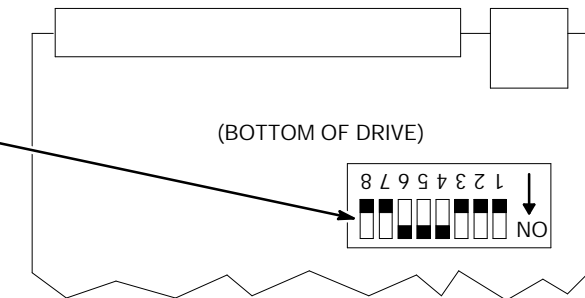
**F3 - DAT DRIVE SETTINGS**

1 Confirm that SCSI Bus Resistor Terminator Packs are not installed. If present - remove them.

2 For Octane, set SCSI ID = 6



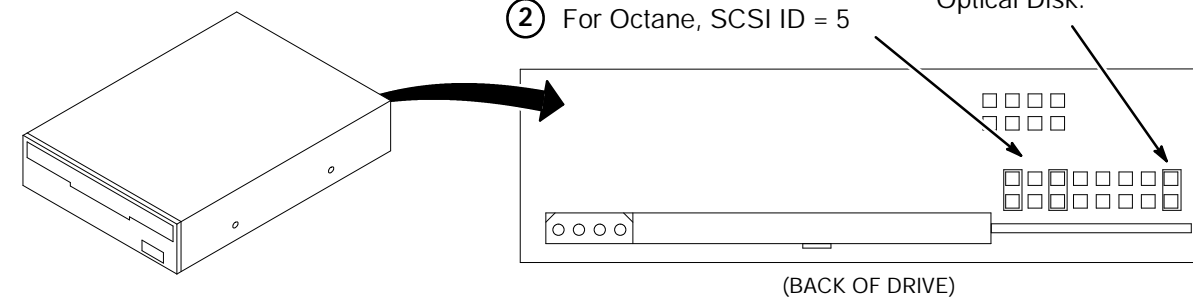
3 Set the switches on the bottom of the drive as shown. This sets the drive to NOT perform "data disconnects" when there is no data available. This is required because of the odd byte count record packing done on GEMS tapes and SGI's inability to handle odd byte "save pointer" SCSI requests.



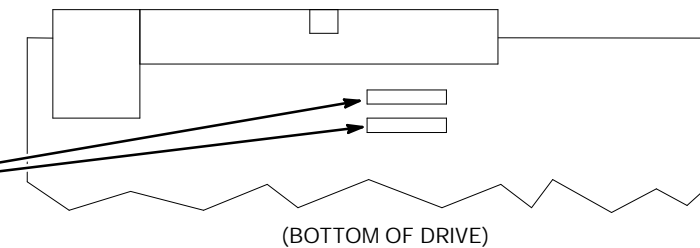
**F4 - MOD DRIVE SETTINGS**

2 For Octane, SCSI ID = 5

3 Make sure jumper is installed on pins at position 8 for SCSI Optical Disk.

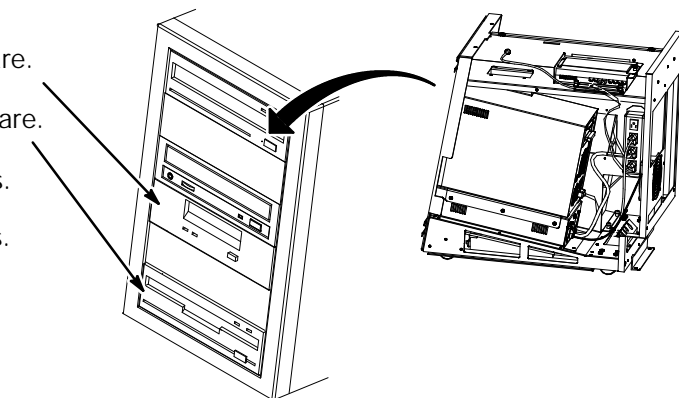


1 Confirm that SCSI Bus Resistor Terminator Packs are not installed. If present - remove them.



**F5 - INSTALL DAT AND MOD DRIVES (LEGACY MEDIA) IN SCSI EXPANSION BOX**

- 1 Install DAT Drive in slot 4 with existing hardware.
- 2 Install MOD Drive in slot 6 with existing hardware.
- 3 Connect power cords to DAT and MOD Drives.
- 4 Connect ribbon cable to DAT and MOD Drives.
- 5 Install SCSI Expansion Box cover. Reattach bracket to bottom of Box. Reattach bracket and Box assembly to power module.

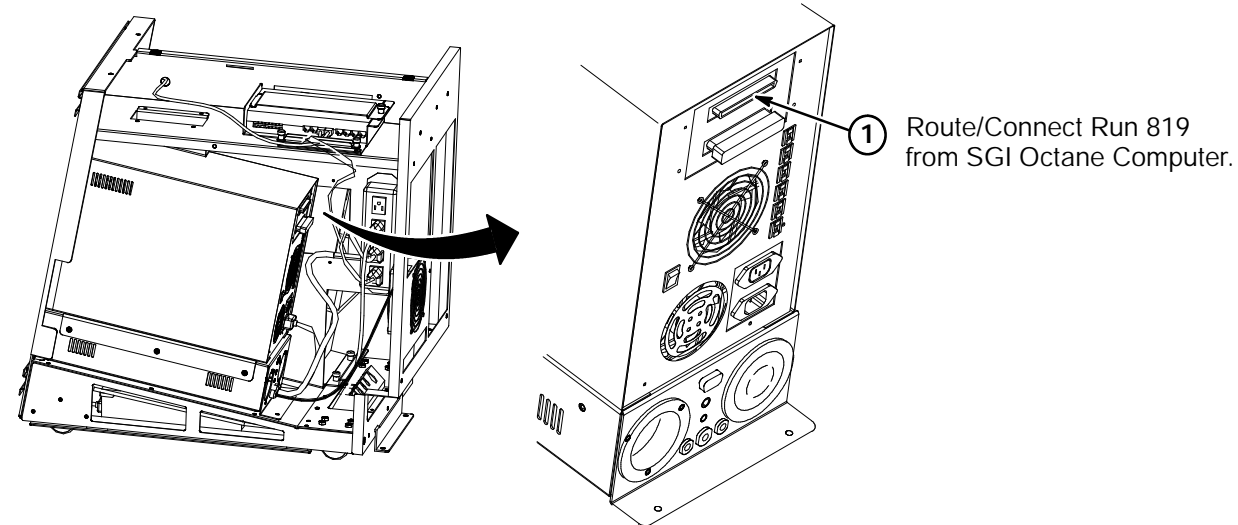


**INSTALLATION STEPS SUMMARY**

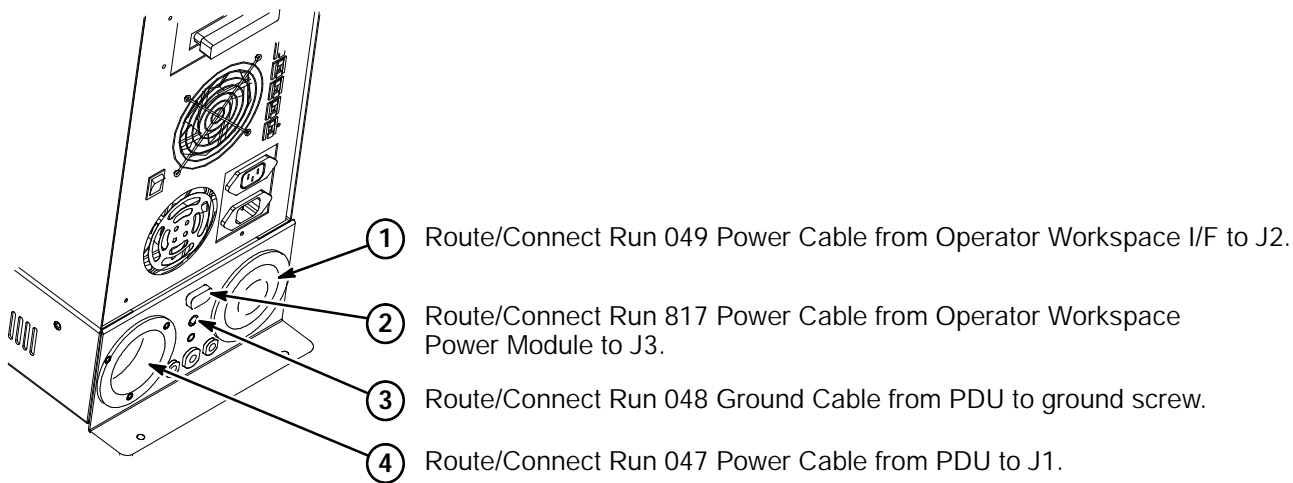
- G1 - Route/Connect Run 819 to SCSI Expansion Box
- G2 - Route/Connect Runs 047, 048, 049, and 817 to Power Module
- G3 - Align Operator Workspace Cabinet Cables & InSite Cabinet Magnet
- G4 - Bundle Operator Workspace Cabinet Cables

**G1 - ROUTE/CONNECT RUN 819 TO SCSI EXPANSION BOX**

**Note:** Route all cables from SGI Octane Computer thru cable access hole at rear of cabinet.

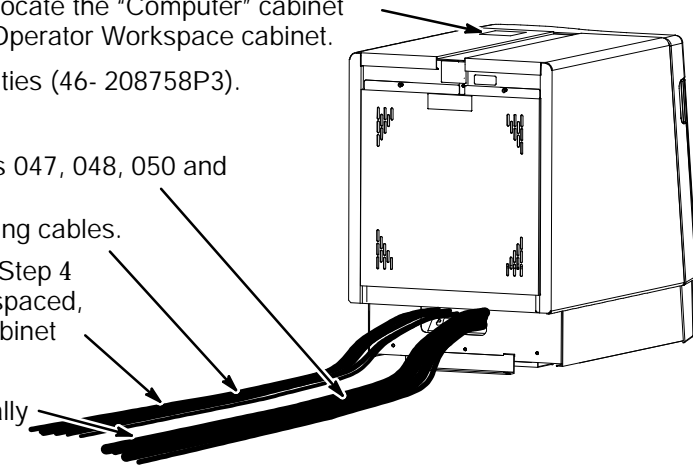


**G2 - ROUTE/CONNECT RUNS 047, 048, 049, AND 817 TO POWER MODULE**



**G3 - ALIGN OPERATOR WORKSPACE CABINET CABLES & INSITE MAGNET**

- ① Install Operator Workspace Cabinet right and left Side covers, Front cover and Rear cover.
- ② From the 8.0 LX InSite Kit (46- 301708G14), locate the "Computer" cabinet magnet (46- 320095P1) and attach to top of Operator Workspace cabinet.
- ③ Locate the twenty (20) seven inch long cable ties (46- 208758P3).
- ④ Separate cables into two bundles; The first bundle will include power cable Runs 047, 048, 050 and fiber optic cable Run 790. The second bundle will include all the remaining cables.
- ⑤ Align the cables of the first bundle created in Step 4 and attach ten (10) of the cable ties, equally spaced, around the cable bundle between the OW Cabinet and the OW Table.
- ⑥ Attach the remaining ten (10) cable ties, equally spaced, around the second cable bundle.



**G4 - BUNDLE OPERATOR WORKSPACE CABINET CABLES**

- ① For each tie- wrapped bundle, place Cable Cover (46- 307782P1) underneath.
- ② Attach mating VelcroT to outside surface of Operator Workspace cabinet.
- ③ Wrap Cable Cover around bundle attaching the VelcroT hooks and loops.
- ④ Attach cable bundle Clamp (46- 307873P1) to center of Cable Cover.
- ⑤ Carefully roll OW Cabinet into final position. Make sure cable bundles are unobstructed and slide easily. Attach to mating Velcro on cabinet.
- ⑥ Repeat Step 4 as often as necessary.

