



---

**PRODUCT MODEL NAME: Plasmon 1800 SCSI Option Box**

**DATE: 1/20/2000**

**PTI#: 1800-01**

---

**386 SCSI Option Box with Plasmon LMS 6100 Drives**

This technical publication is the property of Plasmon and is confidential information for reference purposes by authorized service personnel.

---

**Problem Description:** Under certain instances and heavy usage the jukebox will loose communications and/or appear as a SCSI Bus lock-up. This **ONLY** affects the 386 Option box and **NOT** the 186 Option box.

---

**Serial Numbers Affected:** 1800 Serial Number 2481A and greater with the SCSI Option Installed / FRU Replacement.

---

**Solution:** Replace the AMPRO board in the SCSI Option box part number 27990-00 Rev. D to 27990-00 Rev. E.

---

**Part Warranty:** Plasmon will pre-ship a replacement board at no charge. An RMA number must be obtained through Plasmon Product Support (612-942-2982) and a No Charge PO given for \$500.00 prior to shipping. The removed part must be returned to Plasmon with the RMA number given within 30 days to avoid repair/replacement charges.

---

**Kit Part Number: 509573-000**

Included in kit:

1. AMPRO PCB.
2. PTI Update Label

---

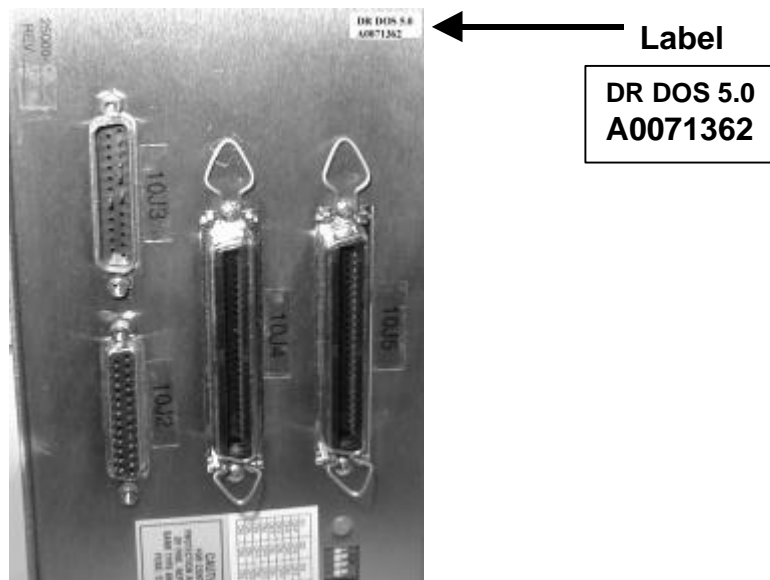
**Verifying A 386 SCSI Option Box VS 186 SCSI Option Box:** A white sticker should be present above the SCSI connector 10J5 stamped with DR. DOS (FIG 1). If the sticker does not exist the SCSI Converter Box must be opened and the AMPRO board looked at for the Intel 386SX processor found near the memory SIMMS (FIG 3). Follow the instructions below to open and confirm the SCSI Processor chip.

## Part Confirmation & Replacement Procedure:

**Proper static precautions need to be followed.**

NOTE: DO NOT CHANGE ANY JUMPERS. THIS BOARD HAS BEEN CONFIGURED AT THE FACTORY

1. Remove the SCSI option box from the jukebox.
2. Remove the 4 screws securing the bottom plate that mounts the SCSI Option box to the jukebox frame.
3. Remove the 11 screws that hold the exterior cover on (FIG. 2).
4. Verify that U25 on the AMPRO PCB is a Logic L53C80JC chip. If it is replace the AMPRO PCB (Replaced chip will be NCR or Symbios brand).
5. If the SCSI interface is differential you will need to remove the Paralan board which is held above the AMPRO PCB by 2 standoffs. For Single Ended SCSI proceed to step 6.
6. Remove the following cables, **make the appropriate notation of where the cables go**, floppy cable, SCSI cable, power cable, serial 1 cable, serial 2 cable, parallel cable and utility cable.
7. Remove the 4 screws/standoffs from the AMPRO PCB, remove and replace the board.
8. Reinstall all covers.
9. Apply the SCSI PTI label to the top of the option box (Fig 4).
10. Write 1800-01 in the PTI box and the date installed.
11. Test jukebox for SCSI communications.



**Figure 1: Label Placement**

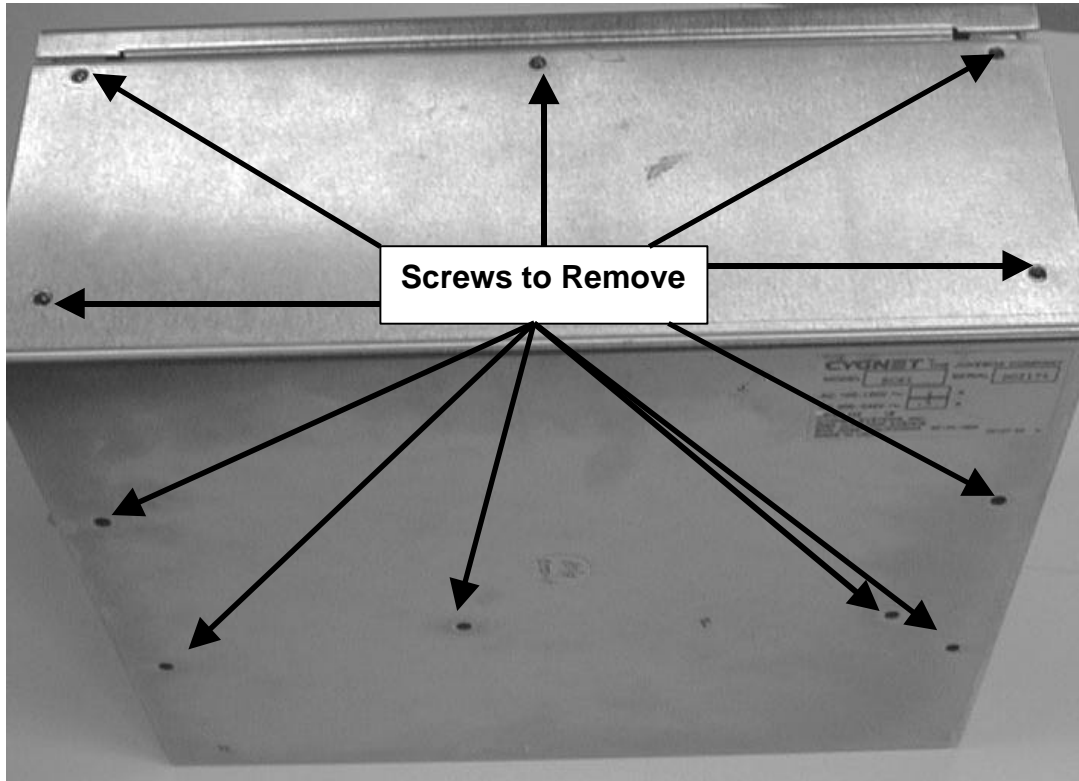


Figure 2: Cover/Screw Removal

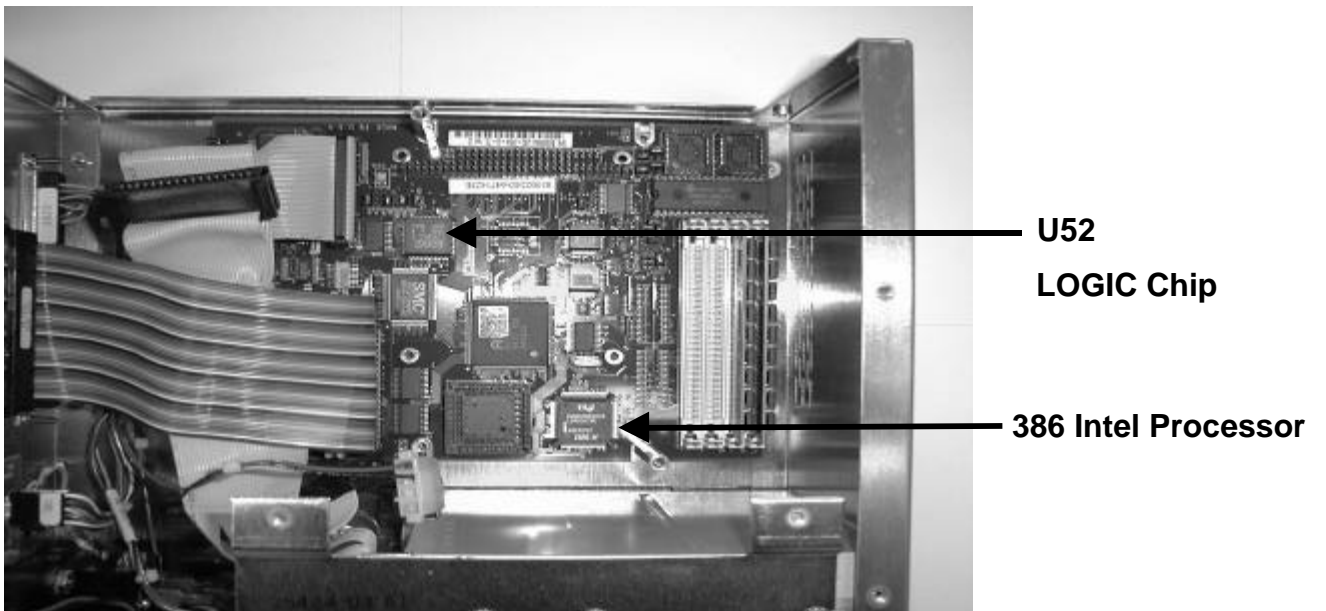


Figure 3: 386 Processor & Logic SCSI Chip Location



**Figure 4: PTI Label Placement**