DISK DRIVE ST34520W Mounting and Option Information

There is a new hard drive, SEAGATE ST34520W-4 - Com Code 407 942 135. The MLO's are sending this drive as the replacement for the ST52160N.

This drive is a wide SCSI drive. To use it in a DEFAUD or an R1 you need the SCSI adapter for it - Com Code 407 846 245.

The drive is used now in the AUDIX SLIM. To use it on a DEAUD with the adapter, the hard drive needs to be spaced out from the drive bracket to clear the parts on the TN2169 behind the hard drive, even then it will be a tight fit.

Use MOTOR START and PARITY and SCSI ID of 0 for DEFAUD. SCSI ID is needed for the R1 AUDIX, terminator disable is required.

-Joseph Berger

2/23/99 It is recommended that the Shielded SCSI Cable - Com Code 601 866 163 - be used with this disk drive because it is shorter and more flexible.

Information from Wayne Motycka (2/24/99) and www.seagate.com :

DEFINITY AUDIX needs no option straps, but R1 AUDIX does.



Required air gap between Circuit Board components and SCSI

Cable adapter and connector, this gap wil be extremely small, this picture shows a considerable gap that overstates the space. The tech will need to assure that he can see light under the adapter.

REAR VIEW



Circuit Board Side of Drive Assembly



NOTE: If you desire more in-depth data on the drive go to the Seagate web site.

Interpreting Seagate Disc Drive Model Numbers

Form Factor



Megabytes

Form Factor

1 = 3 5-inch half-height (41 mm) 3 = 3 5-inch, 1-inch (25 mm)

4 = 5 25-inch, full height (82 mm)

- 5 = 3 5-inch, 0 75-inch high (19 mm)
- 9 = 2 5-inch

Mbytes Approximate formatted capacity

Interface A = ATA/ATA-2/ATA-3 (IDE/EIDE) DC = 80-pin Differential G = SafeRite FC = Fibre Channel N = 50-pin SCSI connector ND = 50-pin Differential SCSI connector W = 68-pin Wide SCSI connector WC = 80-pin Single connector SCSI WD = 68-pin Wide Differential SCSI connector LW = 68-pin Wide SCSI connector, low-voltage Differential LC = 80-pin Single connector SCSI connector, low-voltage Differential

New SCSI designs will use drives with the Ultra2 SCSI Ultra2 low-voltage differential (LVD) doubles Wide SCSI bus data rates to 80 Mbytes/sec, increases bus cable lengths to 12 meters, and provides the capability to add up to 15 peripherals on the bus Ultra2 SCSI is backward-compatible to previous versions of SCSI