



Doc. # 021-44409-01
Rev. A November 1993

TRACER/ST ADDENDUM COPYSTREAM AND COPYSET

This addendum describes two new features for the Tracer/ST Model 200 and 300 duplicators. CopyStream duplicates and compares multiple masters in a single job. CopySet allows you to group master images as a set on the hard disk (if installed), and use that set to create single, collated sets of diskettes.

In addition, this addendum describes some new error messages associated with the new features. It also provides charts of the revised menu structure.

This addendum is divided into the following sections:

- CopyStream
- CopySet
- Error Messages
- Tracer/ST Menu Structure

If you have any questions about CopySet and CopyStream, contact Trace Customer Support. In the U.S. and Canada, call toll-free **(800) GO-TRACE [(800) 468-7223]**. For international customer support numbers, refer to your Tracer/ST user's manual.

Section 1: CopyStream

The CopyStream feature allows you to copy or compare multiple masters in a single job by using specially prepared marker disks to separate masters from target diskettes. A utility to create these special marker disks is located under the option menu.

During a CopyStream job, a diskette which follows a marker disk is recognized as a master, and is copied to or compared against all subsequent diskettes until the system encounters another marker disk.

This section contains instructions for creating the marker disks, and then using the marker disks to enable streamlined duplication or verification of multiple masters.

1-1: Create Marker Disks

Marker disks have a unique recording on track 0 which the Tracer/ST recognizes during CopyStream. When the Tracer/ST encounters a marker disk during a stream job, it immediately ejects it into the accept hopper and treats the next diskette in the input hopper as a master.

Marker disks cannot be read or copied by the Tracer/ST or any other professional duplication system. If a marker disk is inserted during any operation other than CopyStream, it will be rejected.

NOTE

Because marker disks are written with a strong write current, they should not be used for any other purpose.

Trace strongly recommends that you use distinctive diskettes (such as brightly colored diskettes) as marker disks, so that you can easily identify the marker disks at your site and in the accept hopper.

1: CopyStream—continued

To create marker disks, follow these instructions:

1. Place any number of brightly colored blank diskettes in the input hopper. You will need one marker disk for every master in your stream job.
2. From the startup screen, press the **OPTION** button on the front panel. Press the softkey labeled [Setup]. Then press the key labeled [System] and then [Init].
3. Use the **-more-** softkey to display additional options. Press the softkey labeled **MARKERS**.
4. Press **CONTINUE** to begin making marker disks. The marker disks will be placed in the accept hopper. To stop making marker disks, press the **CLR/STOP** button or wait for the input hopper to be empty and press the **QUIT** softkey.

1-2: Copy or Compare

In order to stream copy or compare multiple masters, you need one marker disk for every master diskette in your job. If you have not made enough marker disks, refer back to Subsection 1-1.

To stream copy or compare multiple masters, follow these instructions:

1. If the system is not turned on, power up the system according to the instructions in Section 2-2 of the Tracer/ST user's manual. You should be viewing the Tracer/ST startup screen.
2. Place a marker disk in the input hopper. Place your first master diskette on top of the marker disk.

1: CopyStream—continued

WARNING

You must place a marker disk before each master diskette, or the Tracer/ST may overwrite your master diskette. For additional protection, Trace recommends write-protecting your master diskettes.

3. Place blank diskettes or diskettes to be compared for the first master diskette in the input hopper on top of the master diskette.
4. Place another marker disk on top of the diskettes already in the hopper. Then place another master diskette in the hopper, and place the target diskettes for that master on top of the master diskette.
5. Repeat step 4 for all master diskettes you want to copy or compare.
6. Press **COPY** (or **COMPARE**). The system will display the copy options, as shown below. (If a hard disk is installed, the fourth softkey will be labeled **SELECT**.)

Copy a Master Disk		
PREVIOUS	NEW	[Batch]

7. Press the softkey labeled [Batch]. Press **STREAM** to begin the stream job.

The Tracer/ST ejects the first marker disk, reads in the first master diskette, and copies or compares it to every diskette until the next marker disk. The Tracer/ST then reads the master diskette after the second marker disk and copies or compares it to all the diskettes following it, until all the the job is completed or canceled.

1: CopyStream—continued

8. To stop the job at any time, press the **CLR/STOP** key on the front panel. Pressing the **CLR/STOP** key once instructs the system to stop after finishing the current diskette. Pressing the **CLR/STOP** key twice stops the system immediately, and the current diskette is rejected.
9. Marker disks, masters, and accepted diskettes will be placed in the accept hopper, on the front of the Tracer/ST. Any rejected diskettes will be in the reject drawer, under the accept hopper. Jammed diskettes are also placed in the reject drawer, but are not counted as failed diskettes.

For more information, refer to your Tracer/ST user's manual.

Section 2: CopySet

When your system is equipped with an internal hard disk, CopySet gives you the option of reading in several masters of the same format to be stored as a set. The image set can then be used to quickly duplicate diskette packages. Each set can contain up to 99 masters, depending on the amount of space available on the hard disk to store the master images.

The master images in a set are assigned related names by the system, and are permanently linked on the hard disk. When you change the name of one of the images, the system changes the name of every image in the set. You can only delete the master images as a set. (Changing and deleting files is described in Subsection 5-2-1 of the Tracer/ST user's manual.)

CopySet replaces the Tracer/ST's batch read-in function, described in Subsection 5-1-1 of the Tracer/ST Model 200 & 300 User's Manual. Batch read-in allowed you to read masters in as a batch, but did not give you the option of duplicating the batch.

This section is divided into two subsections:

- Load Set to Hard Disk
- Copy or Compare a Set

2-1: Load Set to Hard Disk

To load a set of master diskettes, follow these instructions:

1. If the system is not turned on, power up the system according to the instructions in Section 2-2 of the Tracer/ST user's manual. You should be viewing the Tracer/ST startup screen.
2. Place all the master diskettes in the input hopper. All the master diskettes must be the same format.

2: CopySet—continued

3. Press the **COPY** button on the front panel.
4. Press the softkey labeled [Batch]. From the [Batch] menu, choose the softkey labeled READ SET.
5. The system will prompt you to enter a base name for the set. The base name will be assigned to each master, with an additional suffix: -01, -02, -03, and so on. For example, if you name the set **MASTER** and load three master diskettes, the files on the hard disk will be named MASTER-01, MASTER-02, and MASTER-03.



6. Enter a set name (7 characters maximum) using the up and down arrow softkeys to select each letter, and the right arrow (→) to move to the next character. Refer to the user's manual for information on entering text. When you are finished entering the name, press the softkey labeled ACCEPT.
7. The system will begin reading the master diskettes and creating master image files on the hard disk. While each master is being read, the LCD displays the format of the set (if it recognizes the format), or the size, density, and encoding type of an unrecognized format.
8. A final status screen tells you how many masters passed read-in. Masters which are read in successfully are placed in the accept hopper on the front of the Tracer/ST. If any masters fail read-in, the read-in is canceled, and the whole set must be read in again.

If the read-in was successful, all the master images are now stored in separate files on the hard disk.

2: CopySet—continued

2-2: Copy or Compare a Set

After you load a set of master images to the hard disk, you can copy a set of collated diskettes from that master set. Collated diskettes are duplicated one set at a time, so that you can remove each set from the input hopper before the next is duplicated. This gives you time to label the duplicated diskettes before they become confused with other diskettes.

NOTE

Do not use pre-labeled diskettes for copying sets. If a diskette is rejected, the image will be copied to the next diskette in the input hopper.

To copy or compare against a set which is being stored on the internal hard disk, follow these instructions:

1. If the system is not turned on, power up the system according to the instructions in Section 2-2 of the Tracer/ST user's manual. You should be viewing the Tracer/ST startup screen.
2. Place blank diskettes or diskettes to be compared in the input hopper. **Make sure diskettes to be compared are in set order, with the copy of the first master on the bottom.**
3. Press **COPY** (or **COMPARE**). Then press the softkey labeled [Batch].
4. Press the softkey labeled COPY SET (or COMP SET). The system will display the number of sets stored on the hard disk. Press the down arrow (↓) to begin scrolling through a list of all the sets available on the hard disk, their formats, and the number of masters in each set.

2: CopySet—continued

```
Set: MASTER-      07 disks      (IBM 720K)
                [↑]          [↓]          ACCEPT
```

5. Use the arrow softkeys (↑ and ↓) to scroll through the base names of the sets until you find the set you wish to copy or compare against. Press the softkey labeled ACCEPT. The system will begin the copy or compare job.
6. If a diskette is rejected during copy, that image will be copied to the next diskette in the input hopper.

A reject during compare is more serious than a copy reject, because it means the whole diskette set is bad. The system will prompt the user to cancel the compare job after one diskette fails. Press QUIT to cancel the job, press CONTINUE to verify the remaining diskettes.

7. When the CopySet job is complete, the system will prompt:

```
CopySet job completed. Copy another set?
                CONTINUE      QUIT
```

If you wish to copy or compare another set, place the diskettes in the input hopper and press the CONTINUE softkey. If you are done, press the QUIT softkey. Press CLR/STOP to return to the startup screen.

For more information, refer to your Tracer/ST user's manual.

Section 3: Error Messages

The following error messages are new messages which the Tracer/ST may display during CopyStream or CopySet jobs. In addition, you may experience one of the standard messages documented in Chapter 7 of the Tracer/ST user's manual.

FIRST DISK MUST BE A MARKER DISK

Meaning: You have chosen to copy or compare using CopyStream, but you did not insert a marker disk to identify the first master.

Solution: The first diskette in the input hopper for CopyStream must be a marker disk. Reload the input hopper and start the job again. See Section 2 for more information on CopyStream. To copy or compare just one master at a time, choose **NEW** on the copy or compare menu.

MASTER FORMAT DOES NOT MATCH SET FORMAT

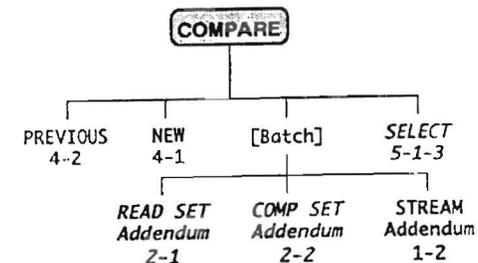
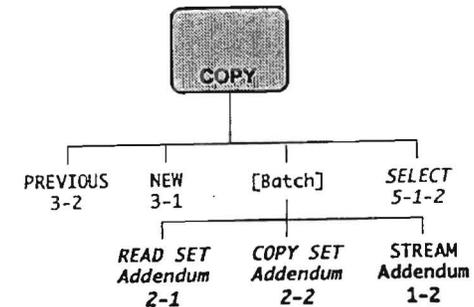
Meaning: The set read-in failed, because the format of the current master diskette is different than the other diskettes in the set.

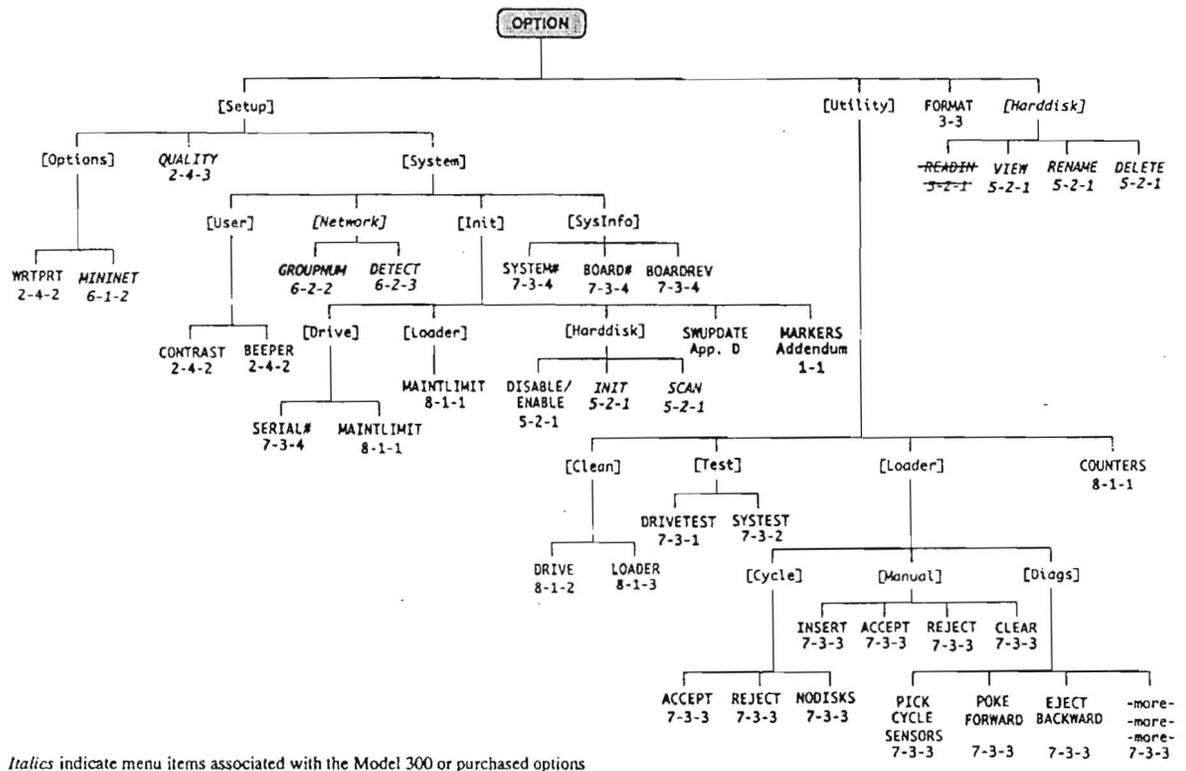
Solution: All master diskettes in a set must be in the same format. Make a new master in the correct format, or do not include this master in the set.

Section 4: Tracer/ST Menu Structure

The charts below show the tree structure of the software options under the Tracer/ST **COPY** and **COMPARE** buttons. The menu structure of the **OPTION** button is shown on the next page. The number under each feature indicates the section of the user's manual or this addendum which describes correct usage of the feature.

New features are shown in **bold**. Features which are no longer available are shown in ~~strikethrough-text~~. Options shown in *italics* are not available on all Tracer/STs.





Italics indicate menu items associated with the Model 300 or purchased options