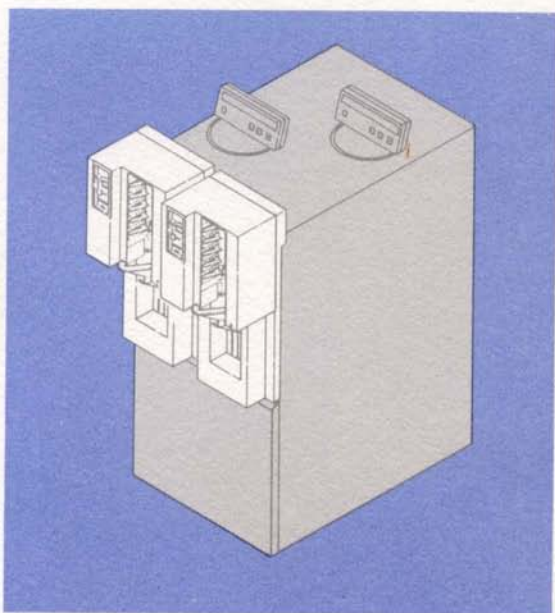


J. Immerzeel

IBM

3480

Automatic Cartridge Loader



Purpose

The purpose of this foldout is to introduce the IBM Service Representative to the Automatic Cartridge Loader feature of the 3480. No additional training is required to service the loader feature.

Description

The Automatic Cartridge Loader (loader) attaches to the front of a 3480 tape drive. The loader allows both the automatic loading of premounted tape cartridges, or the manual loading of single tape cartridges. The Automatic Cartridge Loader (feature #2511) includes 2 loaders. One for each tape transport in the 3480 B22 tape unit.

Installation

The field installation time for 1 Automatic Cartridge Loader is 1.0 hrs. (2.0 hrs per feature)

Diagnostics

EC level 333373 of the 3480 product diskette has been updated to incorporate the diagnostics necessary to service the loader feature.

Field Reporting

New TAC codes have been assigned for the Automatic Cartridge Loader. See page 6 for the TAC code table.

Loader Control Card

Error Codes:

A two position Error Display Indicator is located on the Loader Control Card.

Blank:

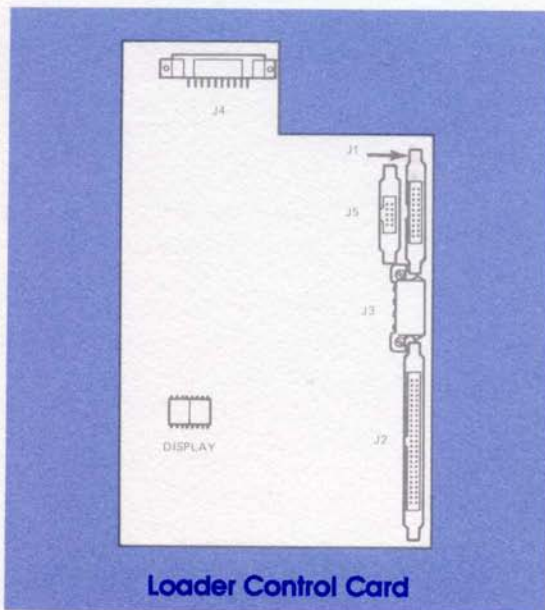
Indicates that the microcode for the Automatic Cartridge Loader is not loaded.

00:

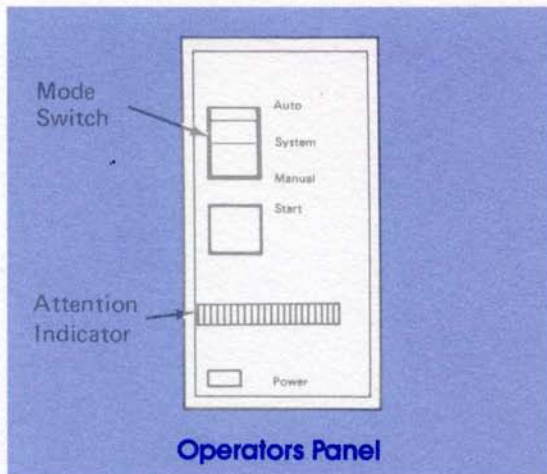
Indicates that the microcode is loaded, and that the Automatic Cartridge Loader is functional.

XX:

Indicates the last error that occurred on the Automatic Cartridge Loader. The indicator having characters other than 00 is used by the Maintenance Device to isolate to the failing FRU.



Loader Control Card



Operators Panel

Auto:

Allows the operator to premount up to six cartridges, which are automatically mounted and demounted on the drive.

System:

Supporting software is required. Allows the operator to premount up to five scratch cartridges, which are mounted and demounted on the drive automatically, in response to scratch volume requests. Automatic mounting of scratch volumes and manual mounting of specific volumes may be intermixed under MVS Full Function.

Note:

A cartridge should not be premounted in the feed position as this position may be needed for a specific volume request.

Manual:

Allows cartridge loading by depressing the start key on the operators panel. This mode is effectively the same as a 3480 without the Automatic Cartridge Loader feature.

Start Switch:

The Start switch is pressed to cause an index and/or load procedure to occur or, under error conditions, an unload to occur. The Start switch must be pressed after making any mode change (Auto, System, or Manual)

Attention Indicator:

Attention Indicator: The attention indicator has two functions.

Flashing:

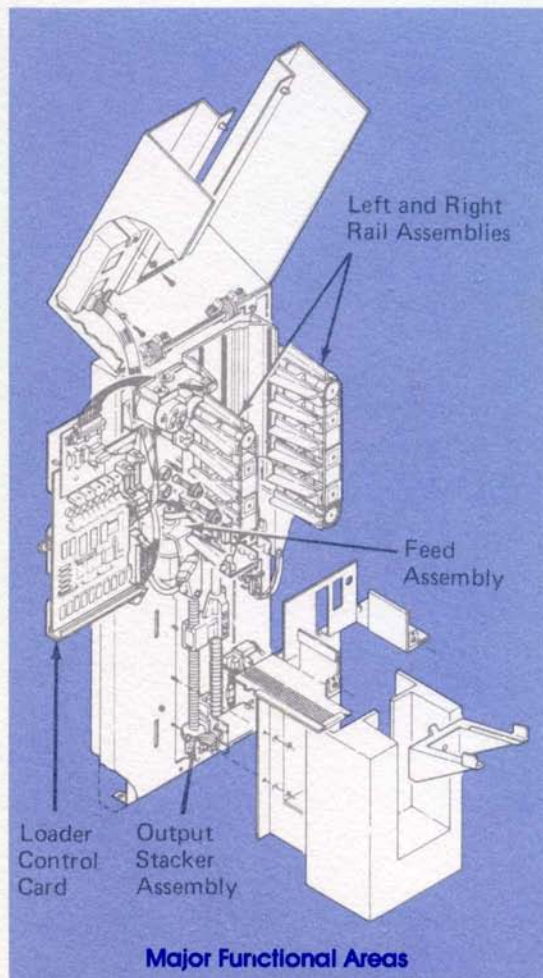
Clear cartridge(s) from output stacker and cartridge from feed position. Press the start switch on the loader to clear the condition.

On Continuous:

Clear cartridges(s) from output stacker and cartridge from feed position. Press the unload switch on the Drive to clear the condition.

Power Indicator:

This is on when the voltages required for the Loader are present.



Major Functional Areas

Loader Control Card

Error Codes:

A two position Error Display Indicator is located on the Loader Control Card.

Blank:

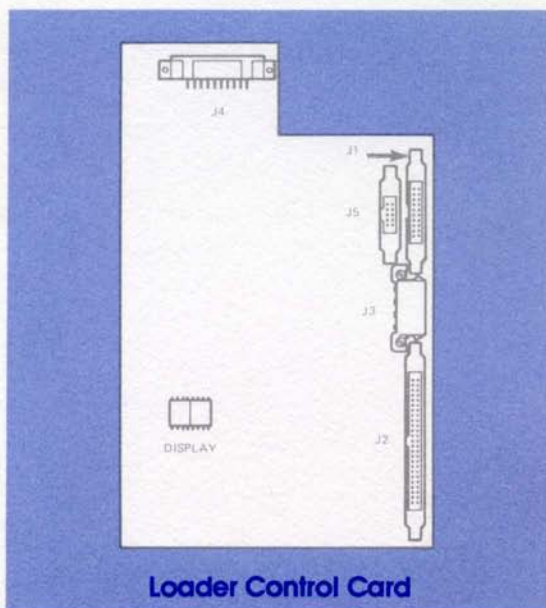
Indicates that the microcode for the Automatic Cartridge Loader is not loaded.

00:

Indicates that the microcode is loaded, and that the Automatic Cartridge Loader is functional.

XX:

Indicates the last error that occurred on the Automatic Cartridge Loader. The indicator having characters other than 00 is used by the Maintenance Device to isolate to the failing FRU.



Loader Control Card

Z229-5915

TAC Codes:

New TAC codes have been assigned for the Automatic Cartridge Loader.

Description	TAC	FRU
Loader Control Card	502	281
Load Assembly	507	282
Load Motor	509	283
Load Motor Complete Sensor	518	284
Cartridge Latched Sensor	515	011
Cartridge Present Sensor	516	010
File Protect Switch	521	009
Loader Mechanical Assembly	508	285
Fuse 24v	504	288
Fuse 5v	505	299
Stack Low Position Sensor	519	289
Cartridge In Stack Sensor	514	291
Cartridge Staged Sensor	517	292
Stacker Up Position Sensor	520	296
Input Stacker Assembly	506	290
Left Input Rail Assembly	512	293
Right Input Rail Assembly	513	294
Feed Assembly	503	295
Output Stacker Assembly	510	297
Loader Operator Panel	511	298
Loader Signal Cable	501	286
Loader Power Cable	500	287
Other	524	

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3480 AUTOMATIC CARTRIDGE LOADER
Printed in U.S.A. Z229-5915