NTRB33 Fiber Junctor Interface card

Use procedures 3 and 4 to replace a Fiber Junctor Interface (FIJI) card. See the Administration Input/Output Guide (553-3001-311) for a description of all maintenance commands, and the System Messages Guide (553-3001-411) for interpreting system messages.

WARNING
Module covers are not hinged; do not let go of the cover. Lift the cover away from the module and set it out of your work area.

Procedure 1
Removing the FIJI card

1. Verify the status of the system clocks.
   LD 60  SSCK x  Get status of system clock (x = 0 or 1).

2. Switch system clocks if required to insure the in-active clock is associated with the ring that includes the target FIJI card to be replaced.
   LD 60  SWCK  Switch system clock from active to standby.
   ****  Exit.

3. Obtain the status of both rings.
   LD 39  STAT RING x  Obtain status of ring (x = 0 or 1). Normal response is Half/Half.

4. Query the alarm condition for all FIGI cards.
   LD 39  STAT ALRM x y  Query status of all alarms (active and Inactive) for FIJI card in group x, side y.
   FULL

5. Disable auto-recovery.
   LD 39  ARCV OFF  Disable auto-recovery operation for ring.
6  Switch call processing to ring with active clock.
   \begin{verbatim}
   LD 39
   SWRG y  Switch call processing to ring (y = 0 or 1).
   \end{verbatim}

7  Obtain the status of both rings.
   \begin{verbatim}
   LD 39
   STAT RING x  Get status of ring on side x (x = 0 or 1).
   \end{verbatim}

8  Disable the idle ring.
   \begin{verbatim}
   LD 39
   DIS RING x  Disable all FIJI cards on ring (x = 0 or 1).
   \end{verbatim}

9  Confirm the ring is disabled.
   \begin{verbatim}
   LD 39
   STAT RING x  Obtain status of ring (x = 0 or 1).
   \end{verbatim}

10 Set the ENB/DIS switch to DIS on target FIJI card.

\begin{center}
\textbf{CAUTION}
To avoid interrupting service, set ENB/DIS switches to DIS before
disconnecting or connecting cables.
\end{center}

11 Tag and disconnect cables to the card you are removing.

12 Unhook the locking devices on the card; pull it out of the card cage.

\begin{center}
\textbf{End of Procedure}
\end{center}

\textbf{Procedure 2}
\textbf{Installing FIJI card}

1  Set the ENB/DIS switch to DIS on the replacement FIJI card.

2  Insert the replacement FIJI card into the vacated slot and hook the
locking devices.

3  Connect cables to the replacement FIJI card.

4  Set the ENB/DIS switch to ENB on the replacement FIJI card.
5 Software enable the ring.
LD 39
ENL RING x Enable all FIJI cards on ring (x = 0 or 1).

6 Confirm the ring is enabled.
LD 39
STAT RING x Get status of ring on side x (x = 0 or 1).

7 Test the replacement FIJI card.
LD 39
TEST FIJI x y Self-test FIJI card
(x = group 0 to 7, y = side 0 or 1)
TEST 360 x y z Perform 360 test on FIJI card group (x = group
0 to 7, y = side 0 or 1, z = time in 2 second
intervals)
TEST CMEM x y Perform Connection Memory test on FIJI card
(x = group 0 to 7, y = side 0 or 1)

8 Reset the threshold for switchover functionality.
LD 39
RSET Reset threshold for switchover functionality.

9 Restore the ring.
LD 39
RSTR Restore ring.

10 Enable auto-recovery.
LD 39
ARCV ON Enable auto-recovery operation for ring.

11 Confirm ring is enabled and in Half/Half state.
LD 39
STAT RING x Get status of ring (x = 0 or 1).
**** Exit.
Verify status of system clocks.

LD 60  
SSCK x  Get status of system clock (x = 0 or 1).
****  Exit.

When the process is complete, you receive a system response. If there is a problem, a FIJI system message is generated and the red LED lights on the faceplate of the card.

Tag defective equipment with a description of the problem and package it for return to a repair center.

End of Procedure