

Power Systems

Clock Card

IBM

Power Systems

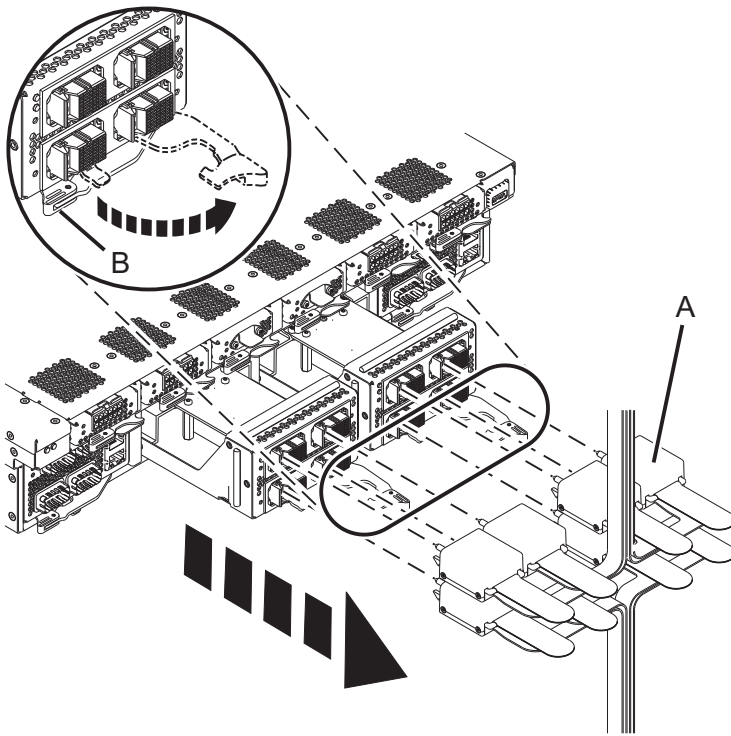
Clock Card

IBM

Remove Clock Card

To remove a clock card, complete the following steps:

1. Perform the following procedure on **ONLY THE FRU(s) BEING SERVICED**. The following images are generic and do not represent the literal location being serviced.
2. Modifying FRU locations which are not called out for service can have adverse effects on the system, **INCLUDING SYSTEM OUTAGE AND LOSS OF DATA**.
1. Label the clock cables so they can be plugged back into the same location.
2. Detach the clock cables (**A**) by pushing the clock cable in slightly, then pull the locking tab to release the latch and pull cable out.
3. Pull the securing latch (**B**) out and then move the entire latch lever to the right.
4. Pull the card out of the slot.

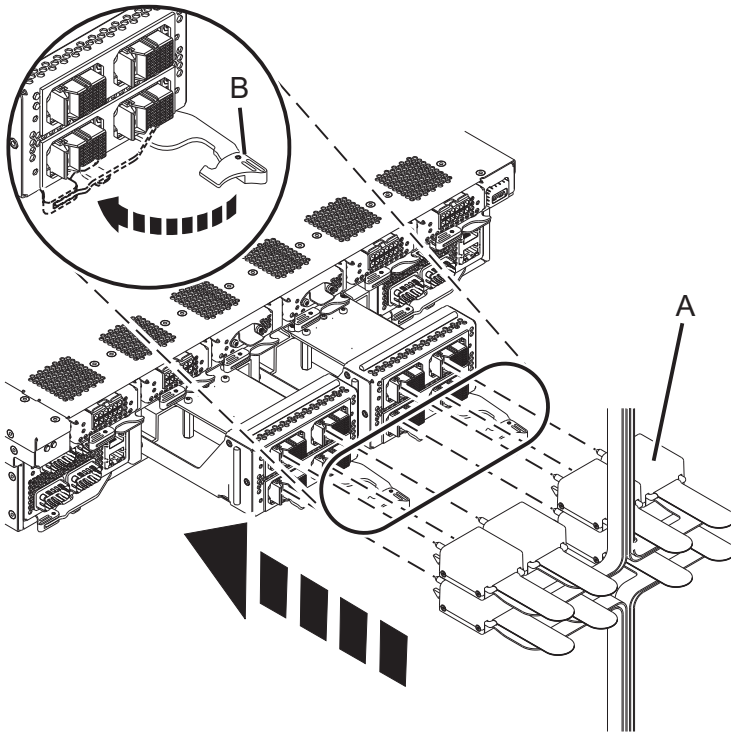


If performing this procedure from a management console, close this web page to continue with the procedure.

Install Clock Card

To install a clock card, complete the following steps:

1. Perform the following procedure on ONLY THE FRU(s) BEING SERVICED. The following images are generic and do not represent the literal location being serviced.
2. Modifying FRU locations which are not called out for service can have adverse effects on the system, INCLUDING SYSTEM OUTAGE AND LOSS OF DATA.
 1. Push the card into the slot.
 2. Move the securing latch (B) to the left and push it in.



3. **Note:** The clock flex cables are point to point cables designed for their fixed locations and should not be stretched when installing. Stretching the cables during installation may lead to misplugging and bent pins.
4. If you have a single node system configuration, use the diagram and the *Single System Node to System Control Unit* Table below to determine point to point cabling for the clock flex cables.

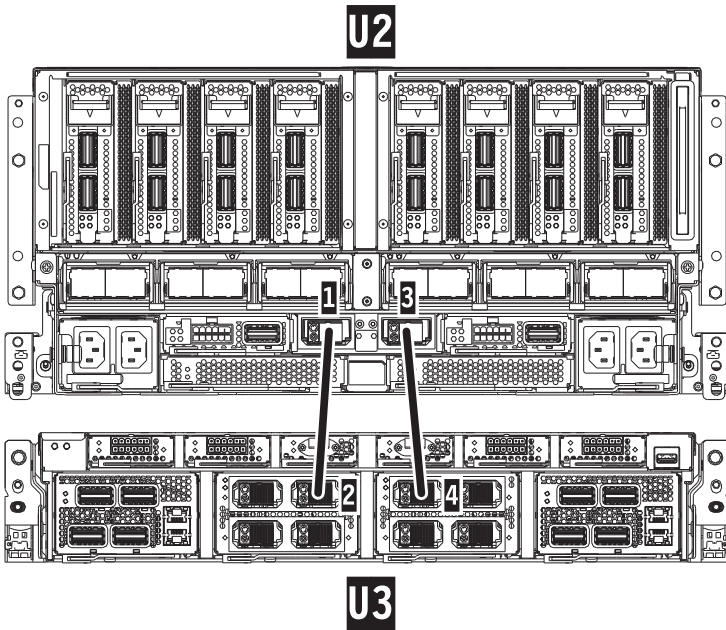


Table 1. Single System Node to System Control Unit Clock Card Cabling

Index Number	From: (U-Loc)	Cable Type	Index Number	To: (U-Loc)
1	U2: P1-T7	Short Clock Flex Cable (Left)	2	U3: P1-C8-T2
3	U2: P1-T8	Short Clock Flex Cable (Right)	4	U3: P1-C9-T1

5. If you have a two node system configuration, use the diagram and the *Two System Nodes to System Control Unit* Table below to determine point to point cabling for the clock flex cable.

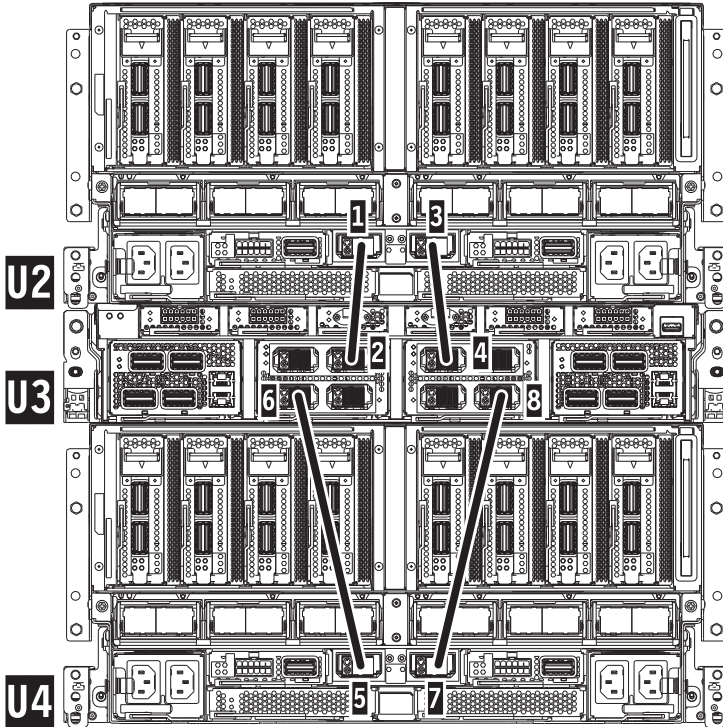


Table 2. Two System Nodes to System Control Unit Clock Card Cabling

Index Number	From: (U-Loc)	Cable Type	Index Number	To: (U-Loc)
1	U2: P1-T7	Short Clock Flex Cable (Left)	2	U3: P1-C8-T2
3	U2: P1-T8	Short Clock Flex Cable (Right)	4	U3: P1-C9-T1
5	U4: P1-T7	Long Clock Flex Cable (Left)	6	U3: P1-C8-T3
7	U4: P1-T8	Long Clock Flex Cable (Right)	8	U3: P1-C9-T4

6. If you have a three node system configuration, use the diagram and the *Three System Node to System Control Unit* Table below to determine point to point cabling for the clock flex cables.

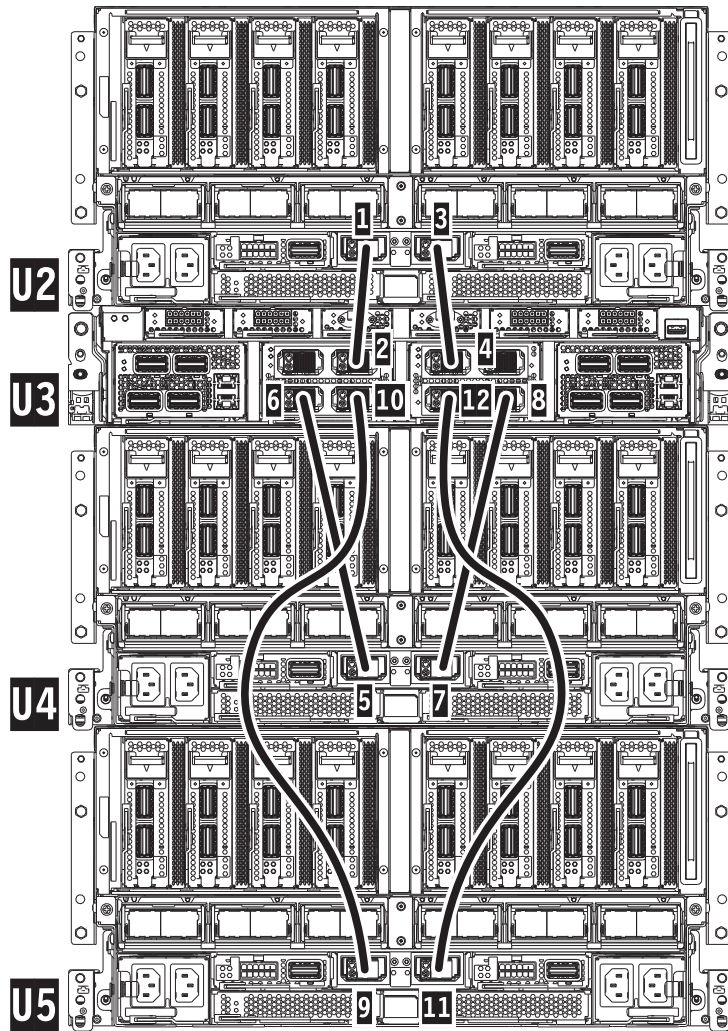


Table 3. Three System Node to System Control Unit Clock Card Cabling

Index Number	From: (U-Loc)	Cable Type	Index Number	To: (U-Loc)
1	U2: P1-T7	Short Clock Flex Cable (Left)	2	U3: P1-C8-T2
3	U2: P1-T8	Short Clock Flex Cable (Right)	4	U3: P1-C9-T1
5	U4: P1-T7	Long Clock Flex Cable (Left)	6	U3: P1-C8-T3
7	U4: P1-T8	Long Clock Flex Cable (Right)	8	U3: P1-C9-T4
9	U5: P1-T7	Long Clock Flex Cable (Left)	10	U3: P1-C8-T4
11	U5: P1-T8	Long Clock Flex Cable (Right)	12	U3: P1-C9-T3

7. If you have a four node system configuration, use the diagram and the *Four System Node to System Control Unit* Table below to determine point to point cabling for the clock flex cables.

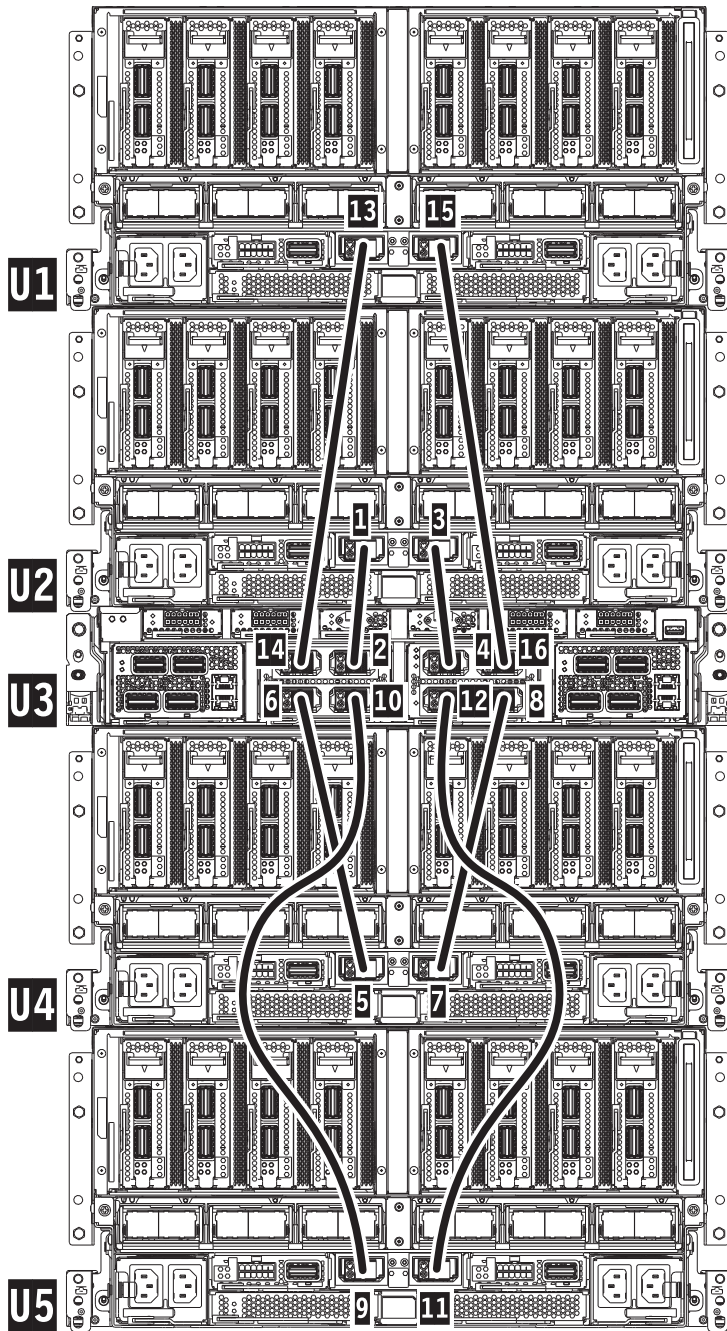


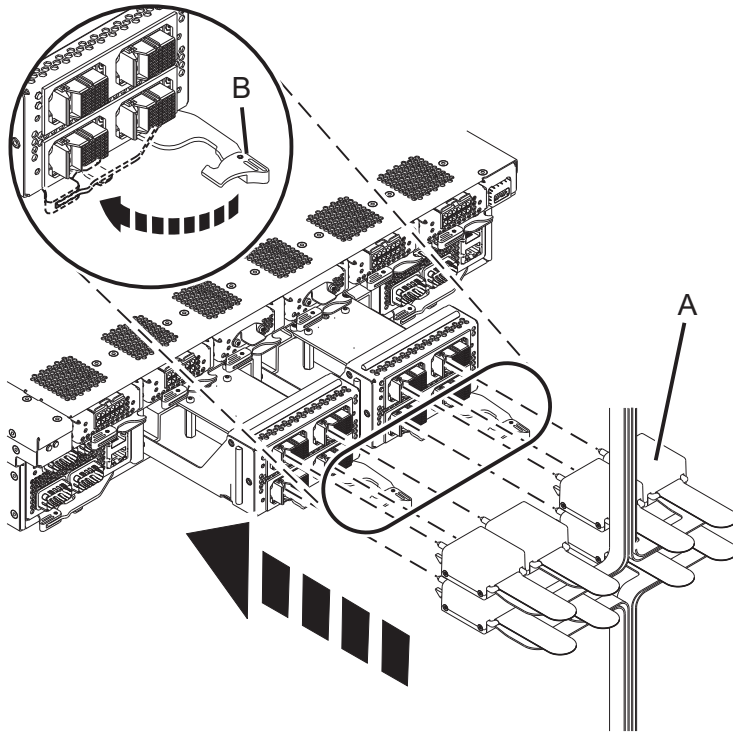
Table 4. Four System Node to System Control Unit Clock Card Cabling

Index Number	From: (U-Loc)	Cable Type	Index Number	To: (U-Loc)
1	U2: P1-T7	Short Clock Flex Cable (Left)	2	U3: P1-C8-T2
3	U2: P1-T8	Short Clock Flex Cable (Right)	4	U3: P1-C9-T1
5	U4: P1-T7	Long Clock Flex Cable (Left)	6	U3: P1-C8-T3
7	U4: P1-T8	Long Clock Flex Cable (Right)	8	U3: P1-C9-T4

Table 4. Four System Node to System Control Unit Clock Card Cabling (continued)

Index Number	From: (U-Loc)	Cable Type	Index Number	To: (U-Loc)
9	U5: P1-T7	Long Clock Flex Cable (Left)	10	U3: P1-C8-T4
11	U5: P1-T8	Long Clock Flex Cable (Right)	12	U3: P1-C9-T3
13	U1: P1-T7	Long Clock Flex Cable (Left)	14	U3: P1-C8-T1
15	U1: P1-T8	Long Clock Flex Cable (Right)	16	U3: P1-C9-T2

8. Attach the clock card cables (A) to their original positions.



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