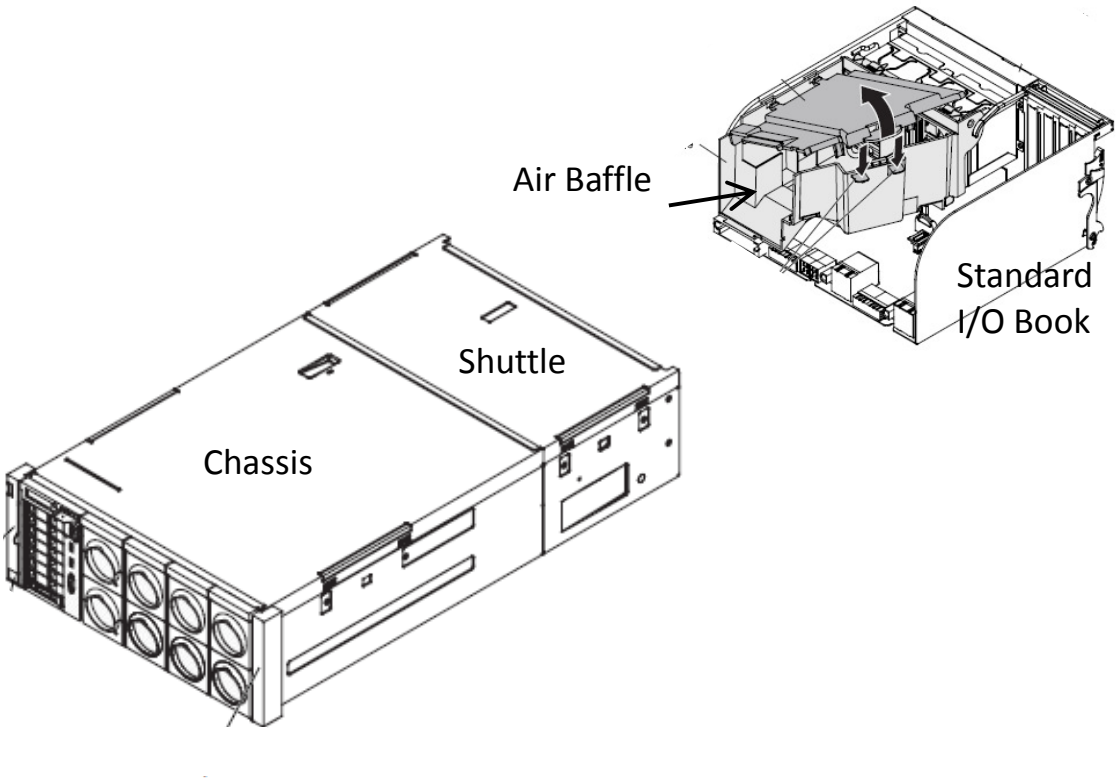
x3850/x3950 X6 Inspection of Shuttle Tabs and Standard I/O Book

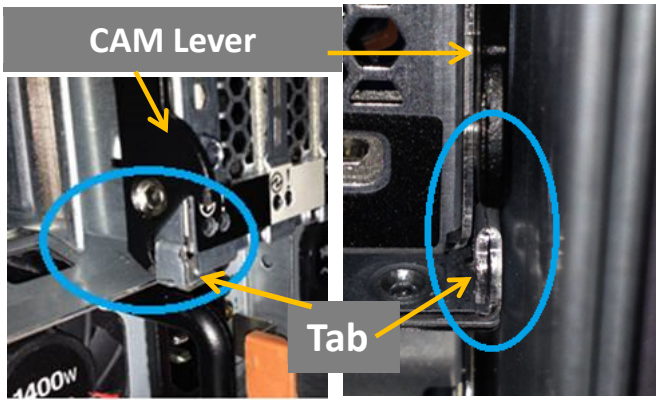
Mechanical Overview of system components involved in this inspection. The below image is representative of the 4 socket x3850X6. The issue described could also occur in the 8 way x3950X6, in either shuttle bay:



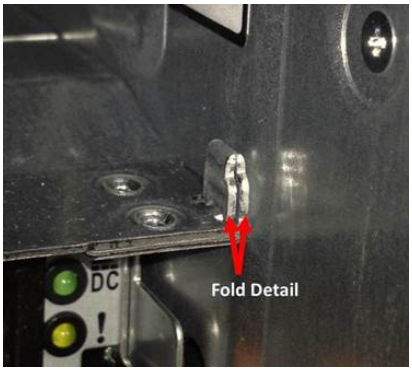
x3850/x3950 X6 Inspection of Shuttle Tabs and Standard I/O Book

Perform the following inspections:

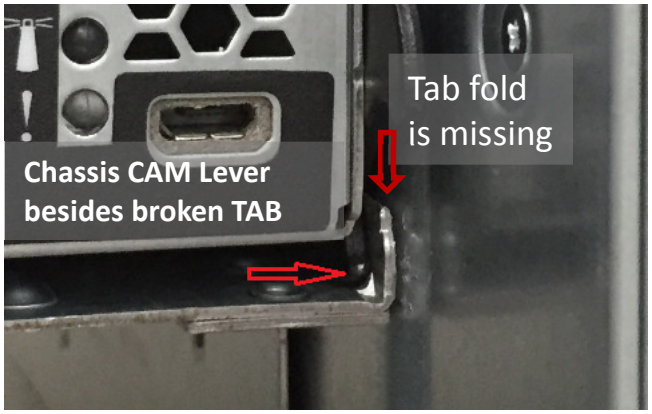
- The Standard I/O Book CAM levers should be behind the Shuttle's Tab



- Both the left and right Shuttle Tabs should have a folded metal detail, giving the tab a double thickness:

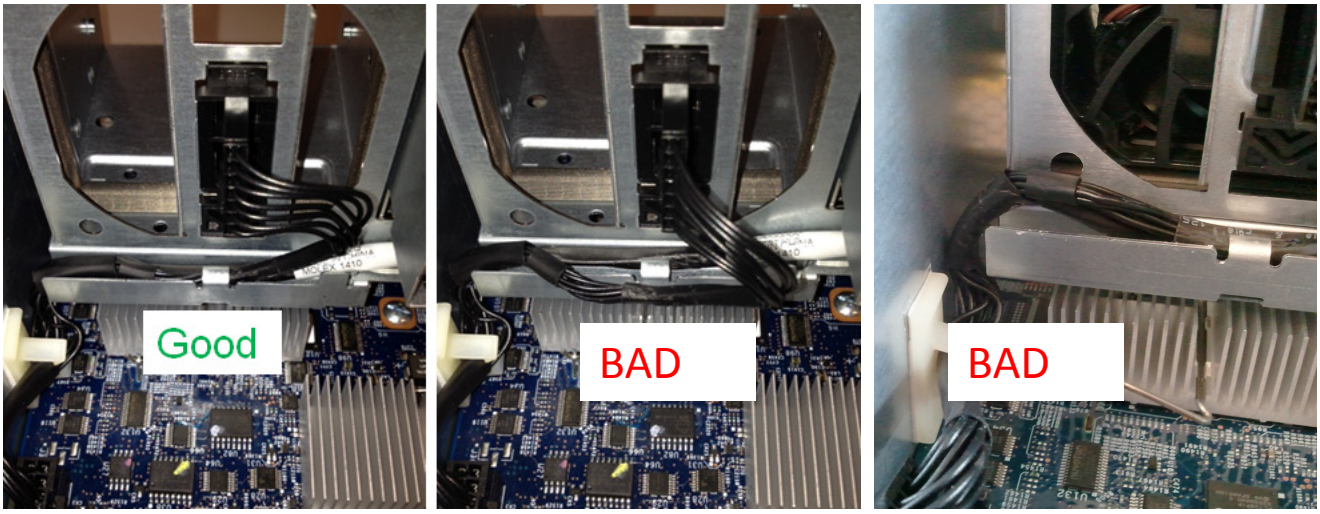


- A broken Tab will not have a folded detail (there will be a single thickness of metal). The CAM lever might be 'besides' the single thickness of metal.

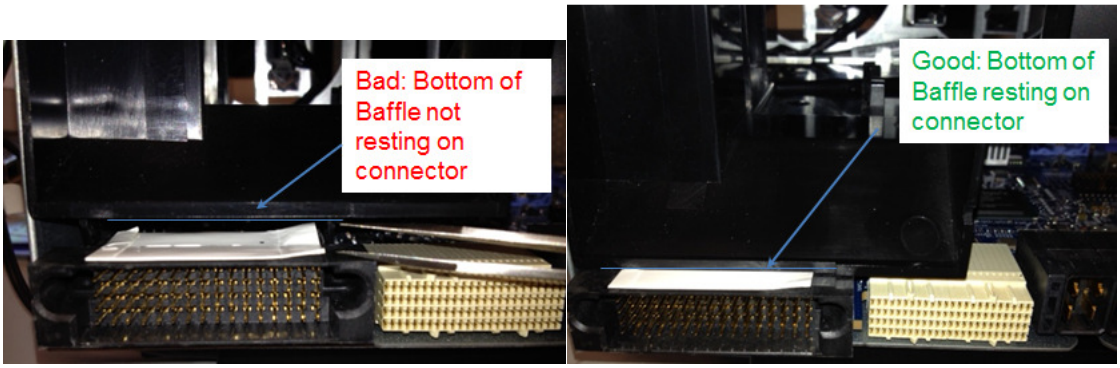


- If a broken Tab is observed, then the Shuttle needs to be replaced.
- Inspect the seating of the Standard I/O Book into Shuttle. The Standard I/O Book should seat evenly into the Shuttle, slightly underneath the top lip.

- If the Standard I/O Book does not appear to be seated properly (regardless of Tab condition), remove the Standard I/O Book for inspection.
- With the Standard I/O Book Removed, inspect Fan cable wires (under the Air Baffle) and make sure they are tucked into the channel, under the retaining hook.



- If the wire assembly is not within the channel, then the Air Baffle might not seat properly:



- If the Air Baffle fails to seat properly, the Standard I/O Book will not seat within the Shuttle properly, causing excessive force when closing the CAM levers.
- Inspect the Midplane connector/pins and the Standard I/O Book connectors/pins for damage. If any damage is suspected, replace the affected parts.
- Insertion of the Standard I/O Book should be done with CAM levers in the open position.

- When inserting the Standard I/O Book, apply even force to both sides of the book.
- Prior to actuating (closing) the CAM Levers, the Standard I/O Book should be aligned with the chassis (not at an angle).
- The Standard I/O Book CAM Levers should close behind the Tabs (see previous pictures), and not require excessive force to move into the closed position
- Excessive force on the CAM levers could cause the Shuttle tabs to bend or break. This could cause the Standard I/O Book to not seat properly, causing Power On issues or other various system errors.

- Inspect Shuttle and Chassis Frame to assure good fit. Seams should be tight and even.