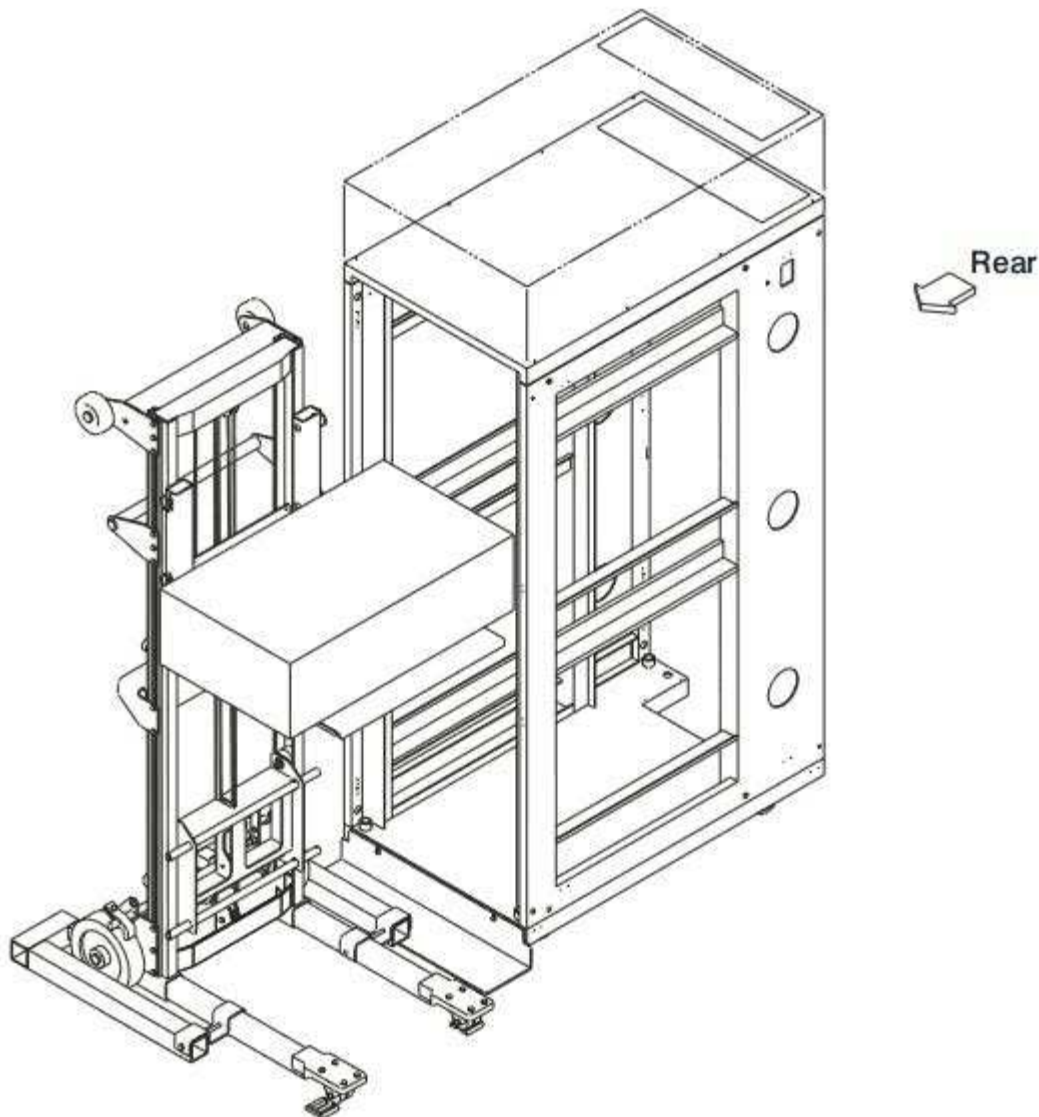# IBM Field Replacement Instructions for Brocade MLXe-8, and MLXe-16 Routers 4-Post Rack Instructions.

Note: Prior to removing or installing the MLXe switches you must have available the IBM Rack lift tool for compliance with IBM field service safe lifting practices.

Save all packing materials received with new replacement switch router for use with repacking return of suspect switch router.

Figure 1 below image illustrates the proper positioning of the lift tool to the rack with switch on lift load plate.

Figure 1 Proper orientation of lift tool in front of rack.

- Prepare the currently installed MLXe Switch router chassis to be removed from the rack by removing all power and IO cables and securing them out of the way, and label the exact location of the following hardware for proper re-installation: IO line board leaf modules, Management modules, and power modules. Power supplies and Fan modules. **Retain all hardware Bolts and mounting plates for use on the new replacement switch router.**

- Remove rack mounting hardware as shown in Figure 2 for MLXe 8 and 2b, 2c and 2d for MLXe 16
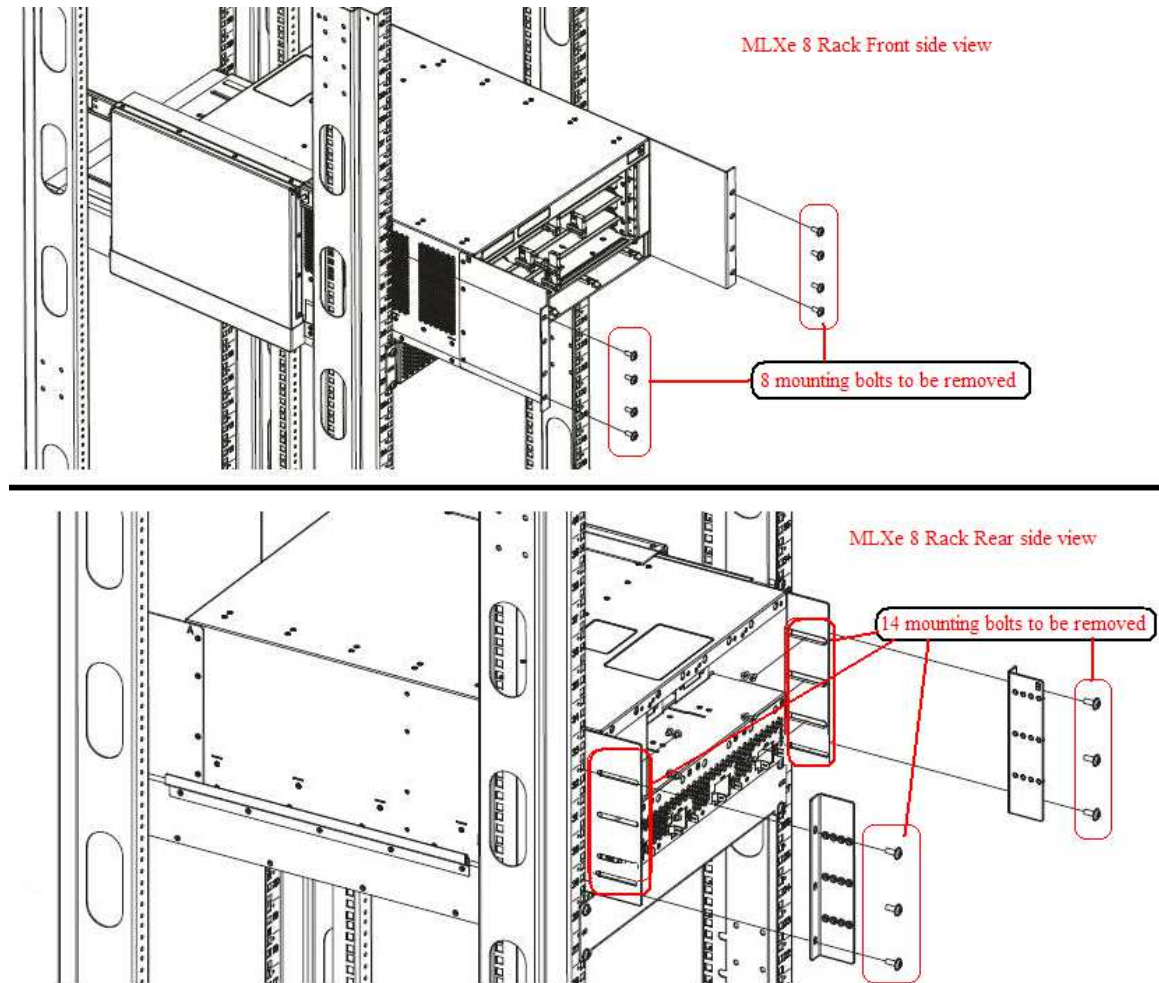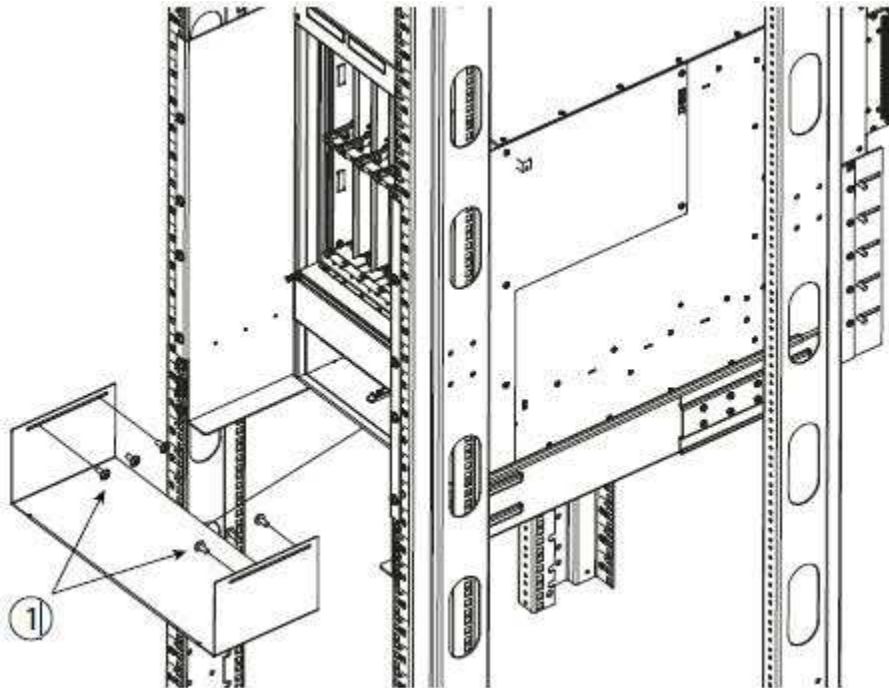
Figure 2 MLXe8 Mounting hardware.

MLXe 8 Rack Front side view

8 mounting bolts to be removed

MLXe 8 Rack Rear side view

14 mounting bolts to be removed

Figure 2b MLXe 16 Mounting hardware.
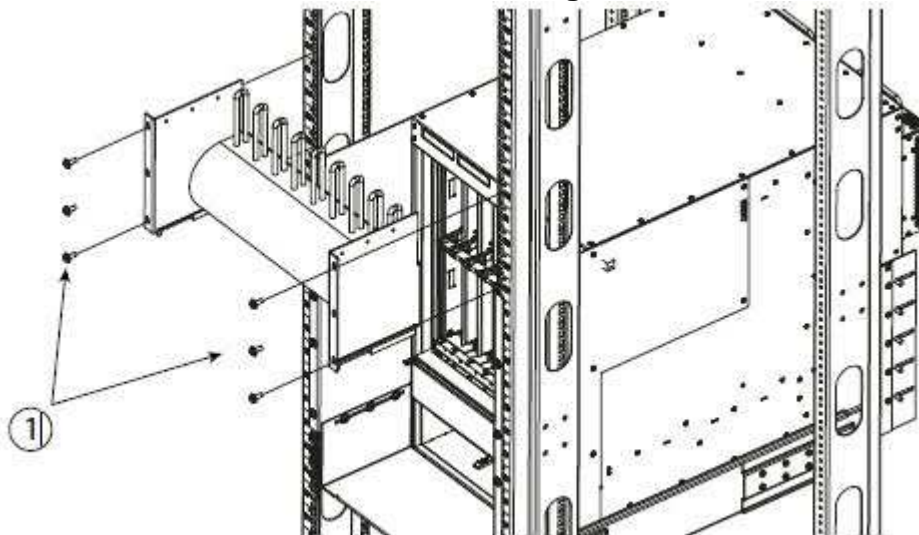
Remove Air Block Bracket

1   Six 8-32 pan-head screws

Figure 2c MLXe 16 Mounting hardware.
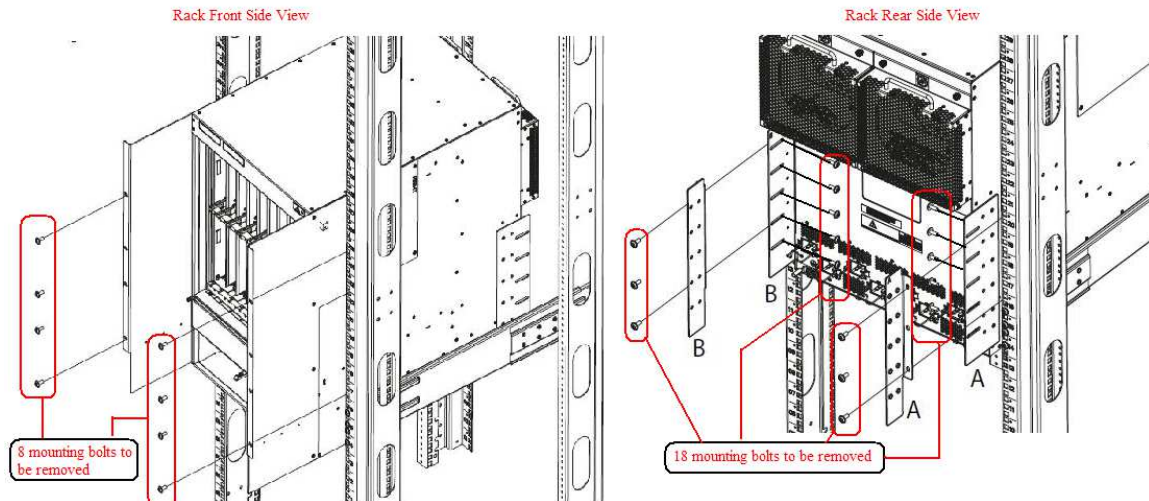
Remove Cable Management Comb

1   Six 8-32 square cone pan-head screws

Figure 2d MLXe 16 Mounting hardware.

Remove rack mounting hardware.

- Position the lift tool as shown in Figure 1 and Figure 4 for MLXe Switch router removal.
- Ensure the lift tool break mechanism is applied by depressing the foot petal as seen in figure 3.

Figure 3. Application of lift tool break mechanism.

Figure 4. Image is of MLXe16. The MLXe8 would be positioned on the lift tool load plate in the same manner.

- Remove switch router chassis from the rack by sliding it on to the lift tool load plate located on rack front side. Ensure the switch router has been completely removed from the rack and that it is secured for transport to an area where mounting hardware can be transferred to the new replacement switch.
  NOTE: Remove lift tool break and ensure the switch chassis is secure by holding in place while transporting to the location where hardware transfer can occur.

- Transfer all mounting brackets and plates from faulty chassis to new replacement chassis using all the original mounting hardware. See figure 5 for MLXe 8 and figure 6 for MLXe 16

Figure 5 MLXe 8 mounting brackets and plates.

Attach front mounting brackets to the router using eight 6-32 flat head screws.   Attach side plates to the rear of the router using eight 6-32 flat-head screws.
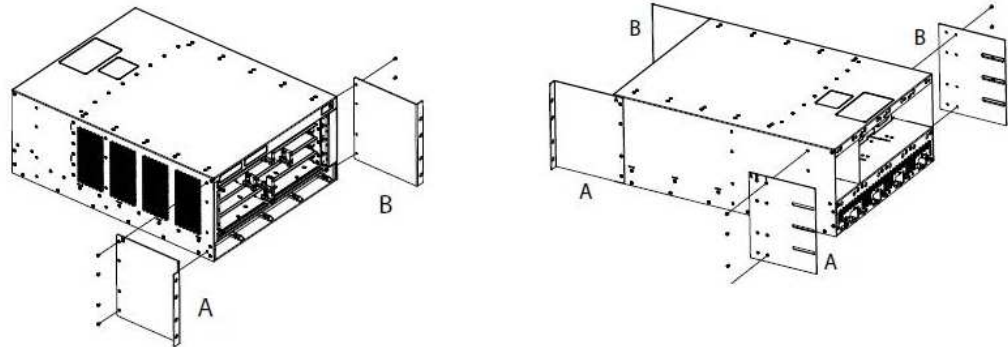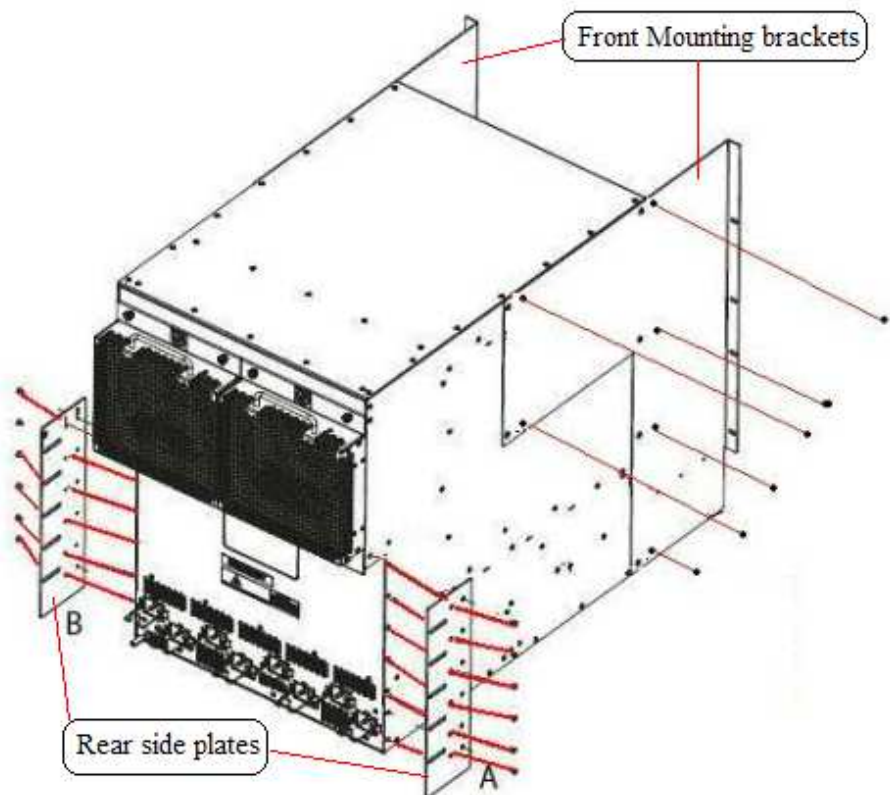

Figure 6 MLXe 16 mounting brackets and plates

Attach the front mounting brackets to the router using the 12 8-32 flat head screws.

Attach the side plates to the router using 12 4-40 flat head screws.

- Remove faulty switch router chassis from lift tool load plate and install new replacement on to the lift tool load plate with all required mounting hardware securely installed.

- Ensure the new replacement chassis is secured by holding it in place and transport the new replacement chassis into position for reinstallation.

- Re-install the replacement chassis into the rack by sliding off it from the lift tool load plate into the rack mounting shelf (MLXE-8) or rails (MLXE-16). Install all remaining mounting hardware and secure the chassis into the rack.
  NOTE: it is best to position one person on the rack rear and one on the rack front to assist with properly aligning the chassis when sliding the chassis into the rack.

- Reinstall Air block bracket and Cable management comb previously removed. See Figures 2b and 2c above.

- **Reinstall all** IO line board leaf modules, Management modules, Power modules, Power supplies, Fan modules, and IO cables to their proper location per the labeling in the previous step. Reinstall all IO cables and power cables. New replacement is now complete.

- Using the packaging material received with the new replacement switch router Repack suspect chassis for return shipment

END