

ReliaGear™ neXT Panelboard


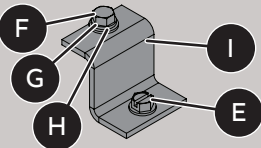
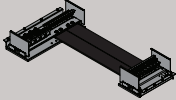
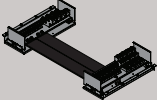
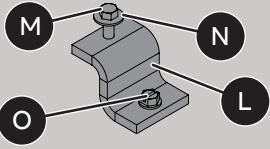
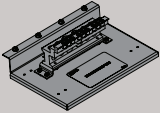
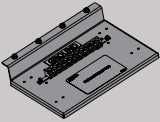
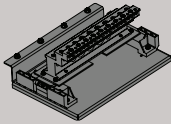
Grounds and Neutral Assembly

WARNING

Danger of electrical shock or injury. Turn OFF power ahead of the panel board or switchboard before working inside the equipment or removing any component. Equipment is to be installed and maintained by properly trained and qualified personnel only.



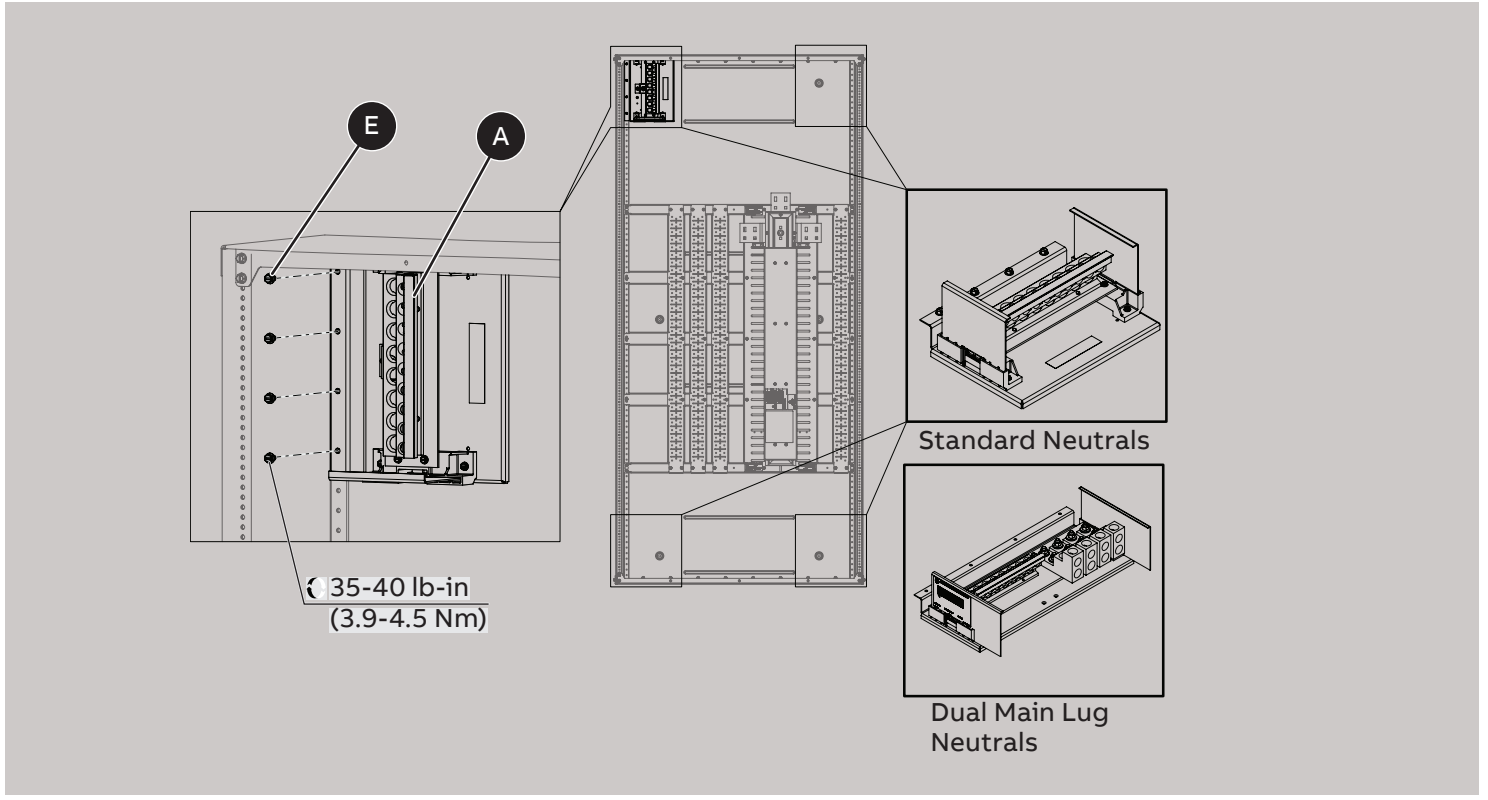
		STANDARD NEUTRAL AL/CU	DUAL MAIN LUGS NEUTRAL AL/CU	COMPRESSION LUGS NEUTRAL AL/CU	GROUND FAULT NEUTRAL AL/CU	200% NEUTRALS AL/CU	GROUND LUG 47 WIRE	GROUND LUG 10 WIRE	GROUND LUG 49 WIRE
A		1X							
B			1X						
C				1X					
D					1X				
E		4X	4X	4X	4X	4X	4X	4X	

		STANDARD NEUTRAL AL/CU	DUAL MAIN LUGS NEUTRAL AL/CU	COMPRESSION LUGS NEUTRAL AL/CU	GROUND FAULT NEUTRAL AL/CU	200% NEUTRALS AL/CU	GROUND LUG 47 WIRE	GROUND LUG 10 WIRE	GROUND LUG 49 WIRE
		1X	1X	1X	1X				
J						1X			
K						1X			
						1X			
P							1X		
Q								1X	
R									1X

		GROUND FAULT ON FEEDERS - STANDARD NEUTRAL AL/CU	GROUND FAULT ON FEEDERS - GROUND FAULT MAIN NEUTRAL AL/CU
E		4X	4X
		1X	1X
U		1X	
V			1X

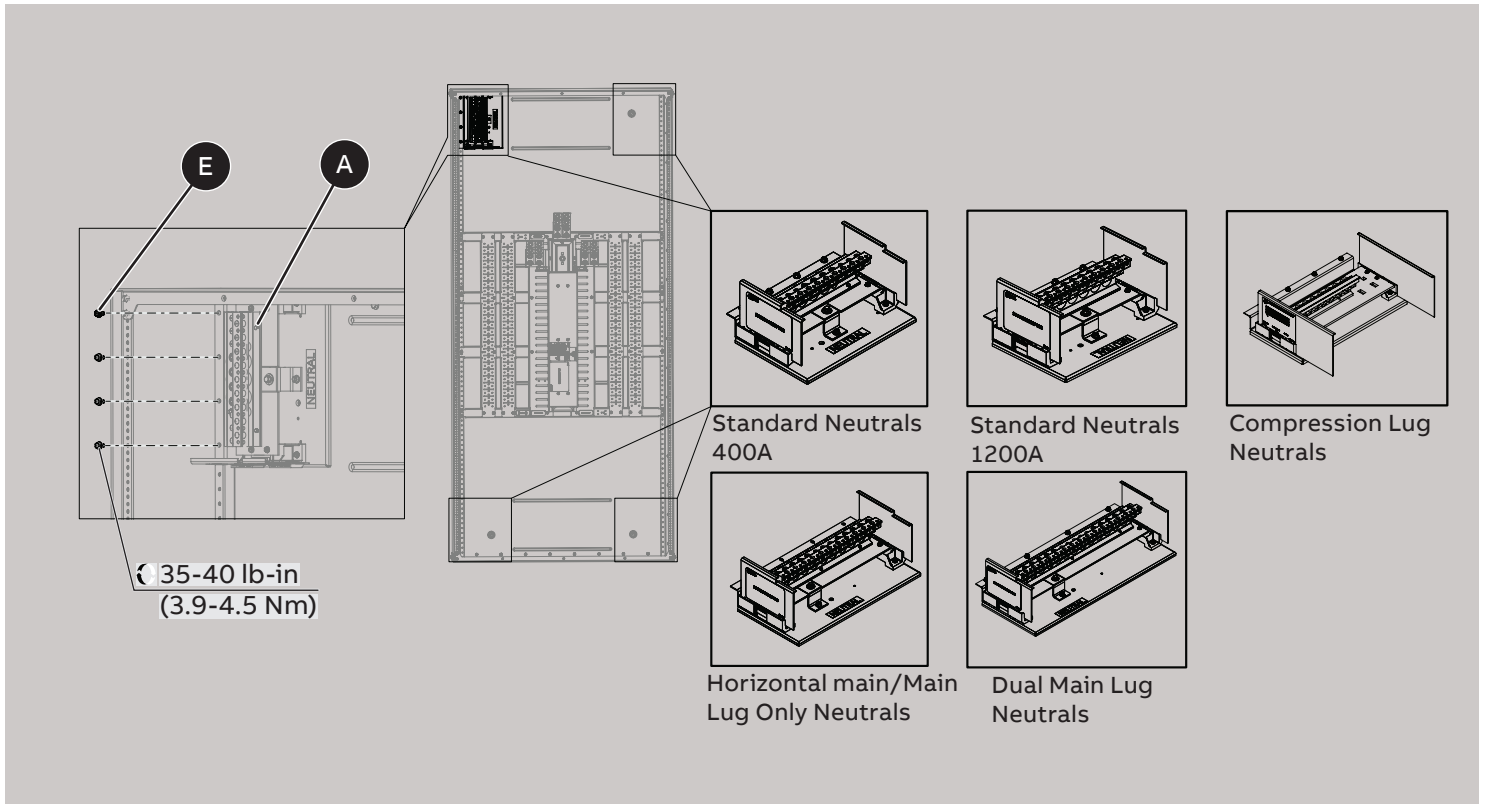
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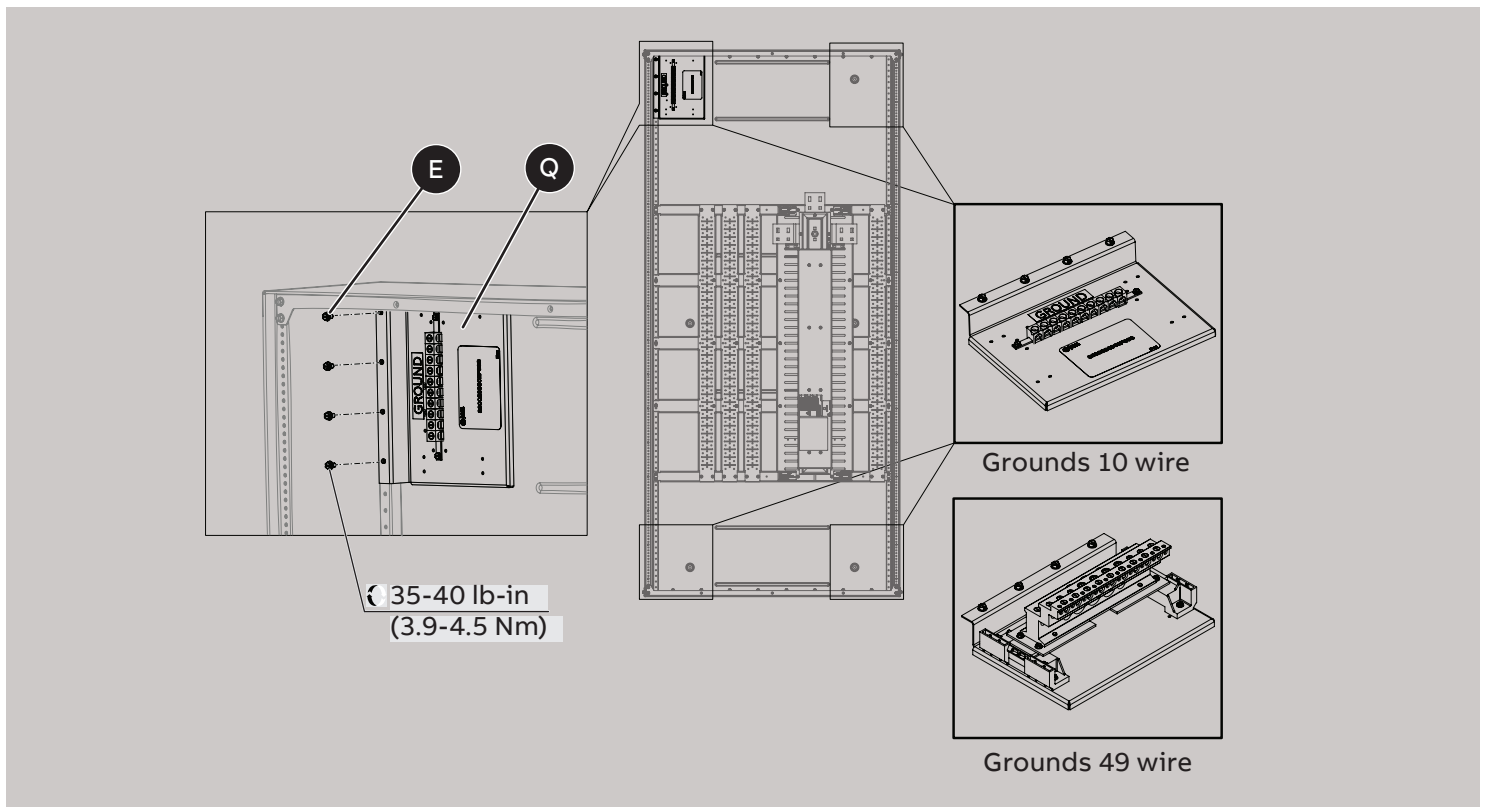
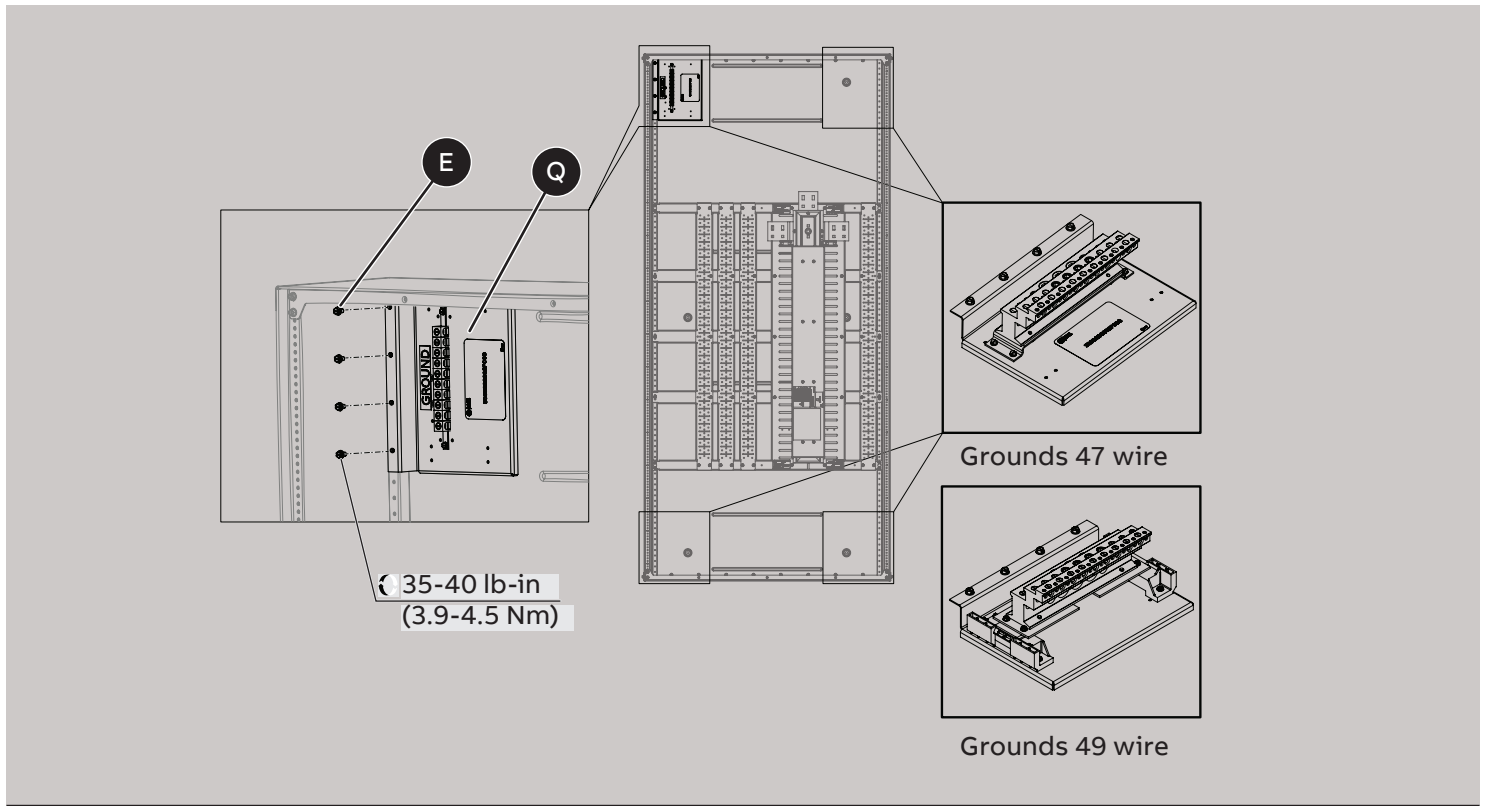
Neutrals Assembly CU



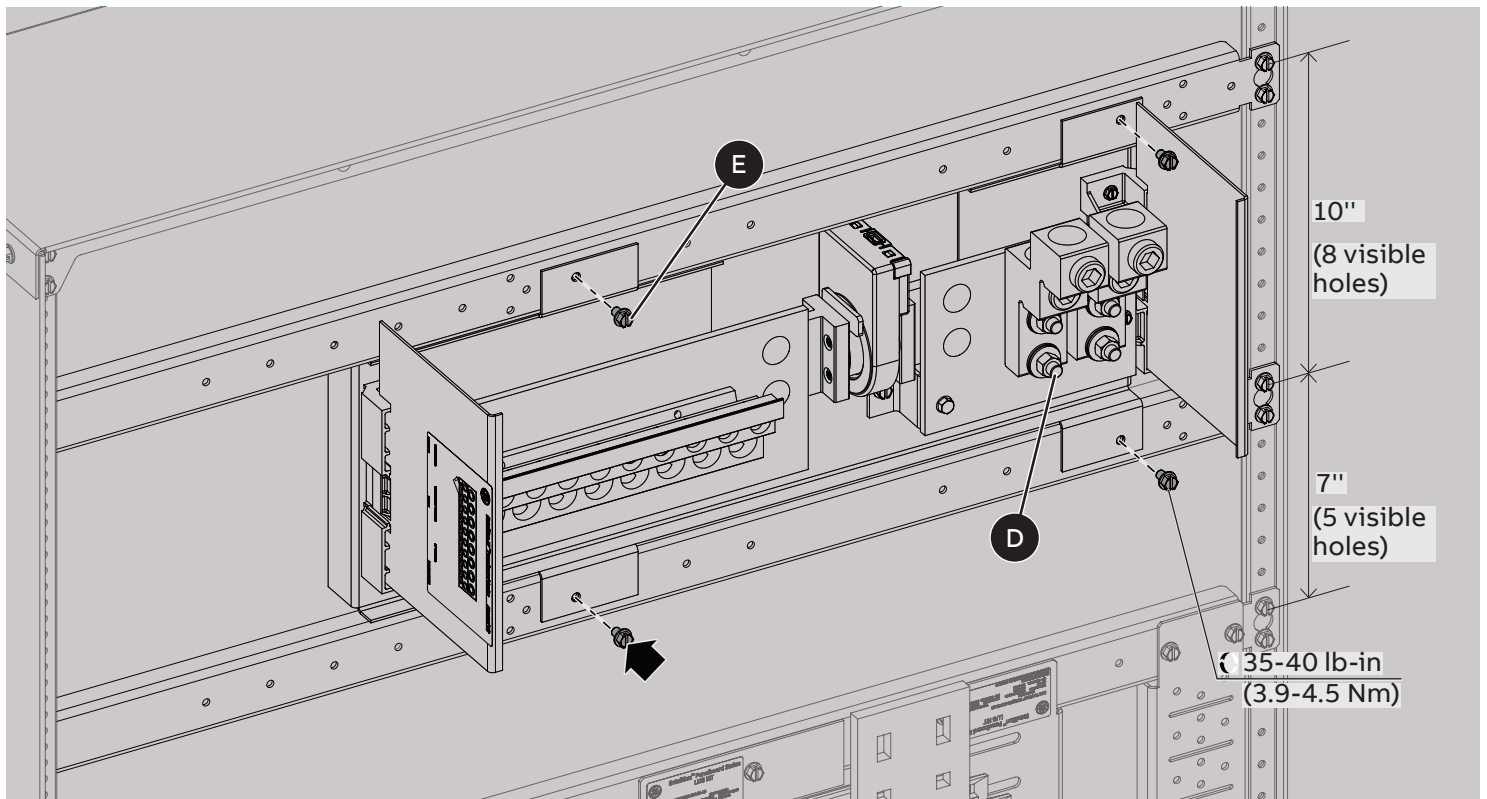
2

Neutrals Assembly AL

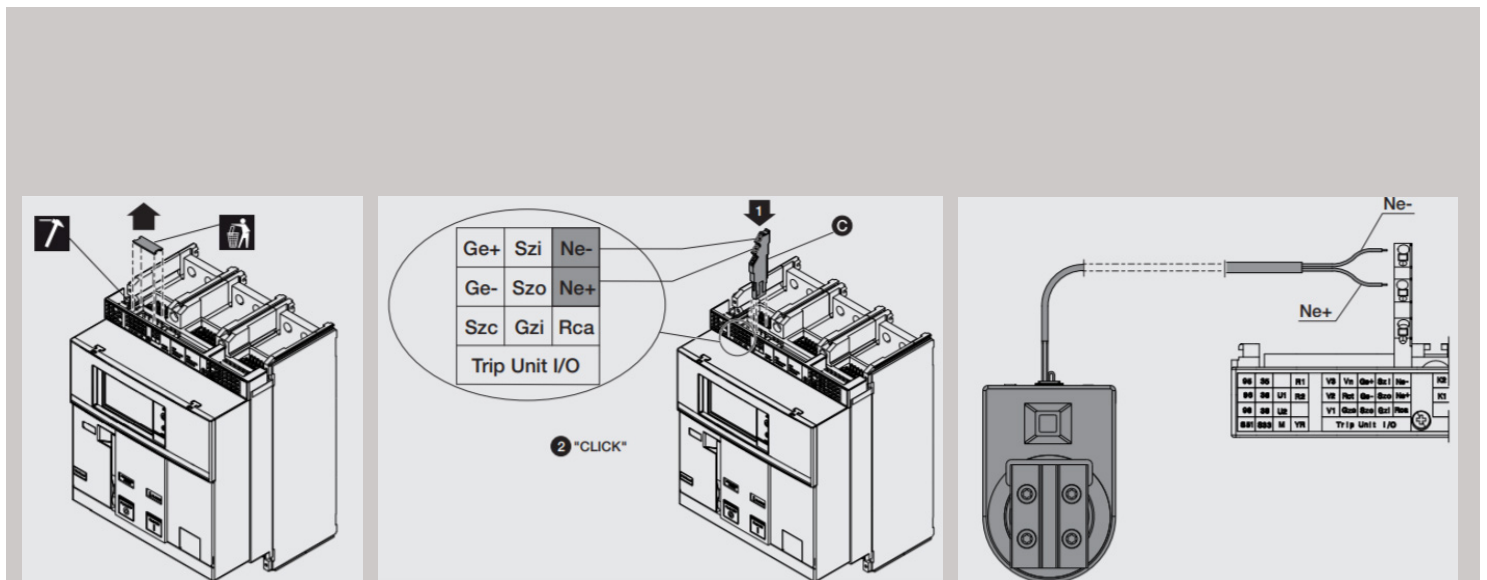




Vertical Main Ground Fault, Non-GF on Feeders Neutrals CU/AL (XT5 & XT7)

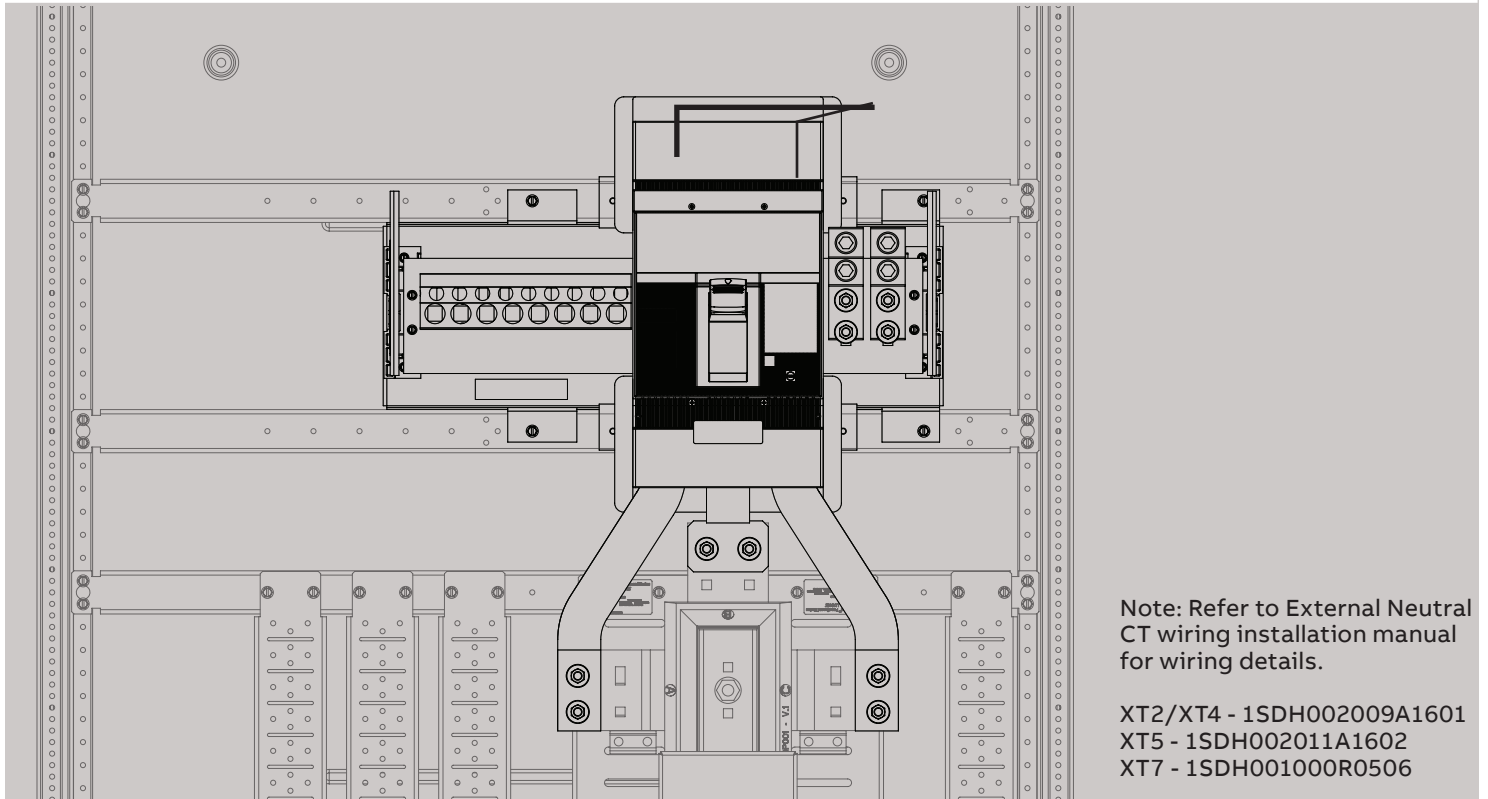


Breaker to Neutral CT Connection

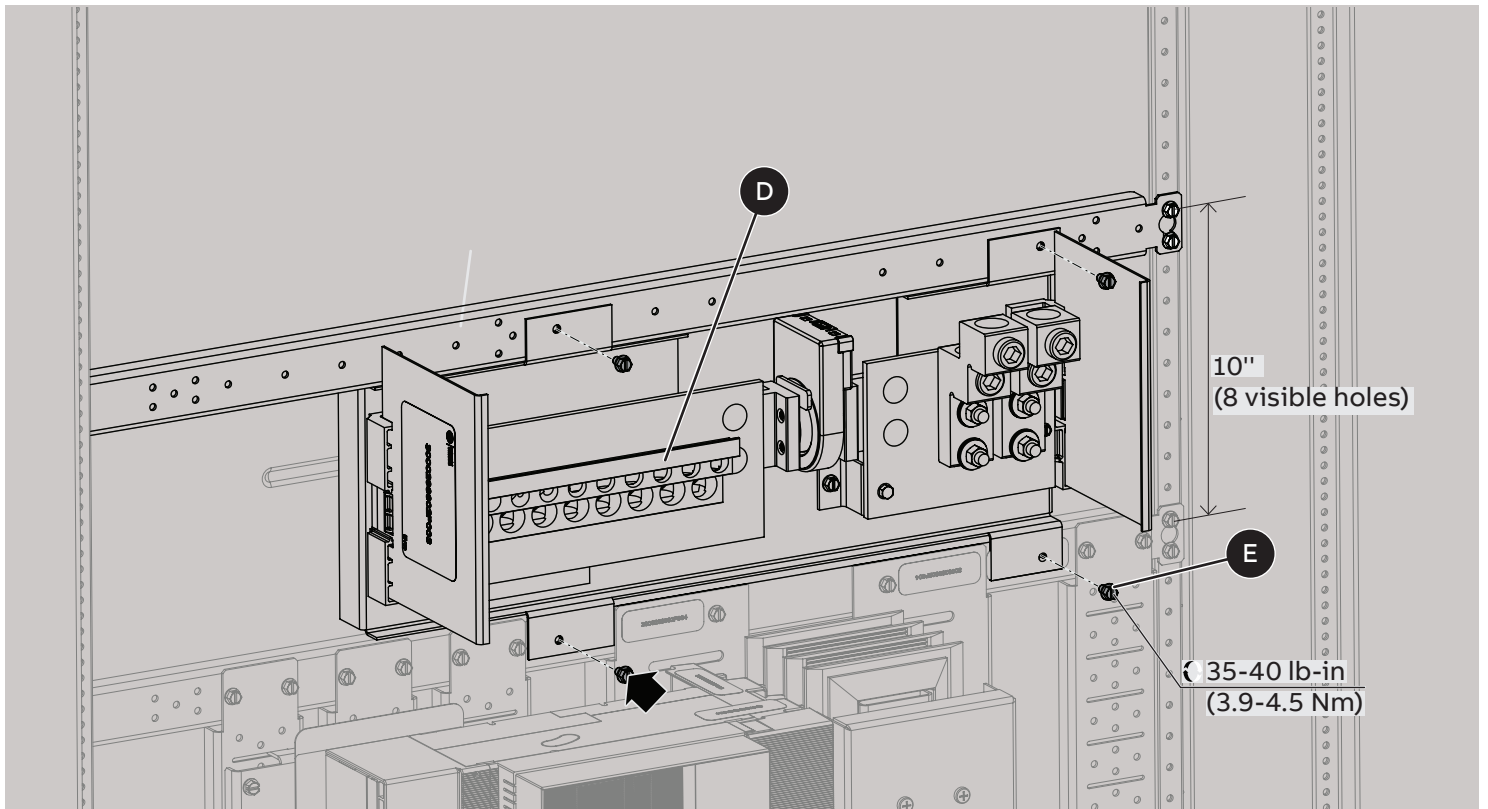


Refer to documents below for additional information
 1SDH001400R0506 for XT7 CT
 1SDH002011A1602 for XT5 CT

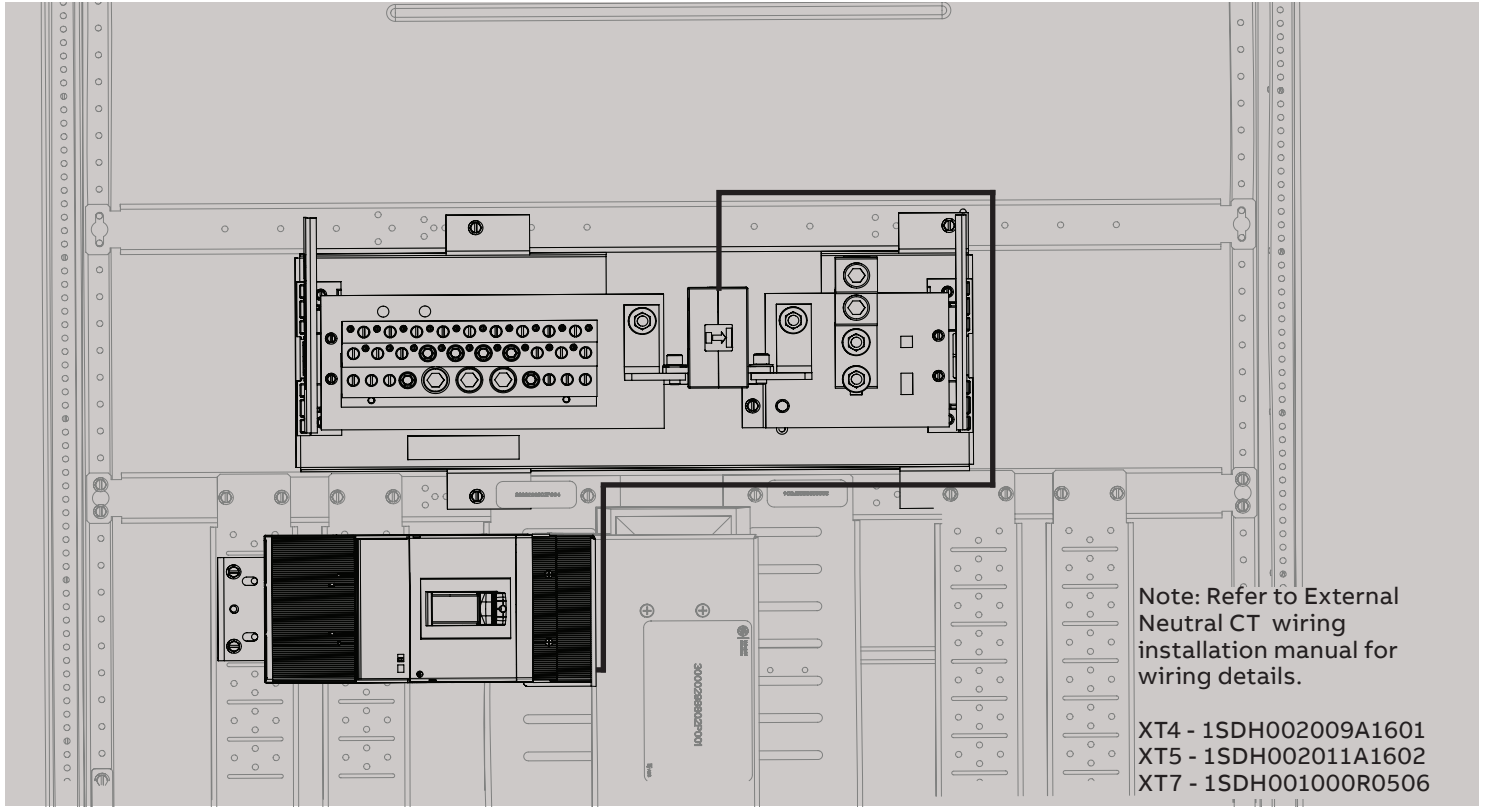
Vertical Main - Ground Fault Neutrals CU/AL (Wiring Connection)



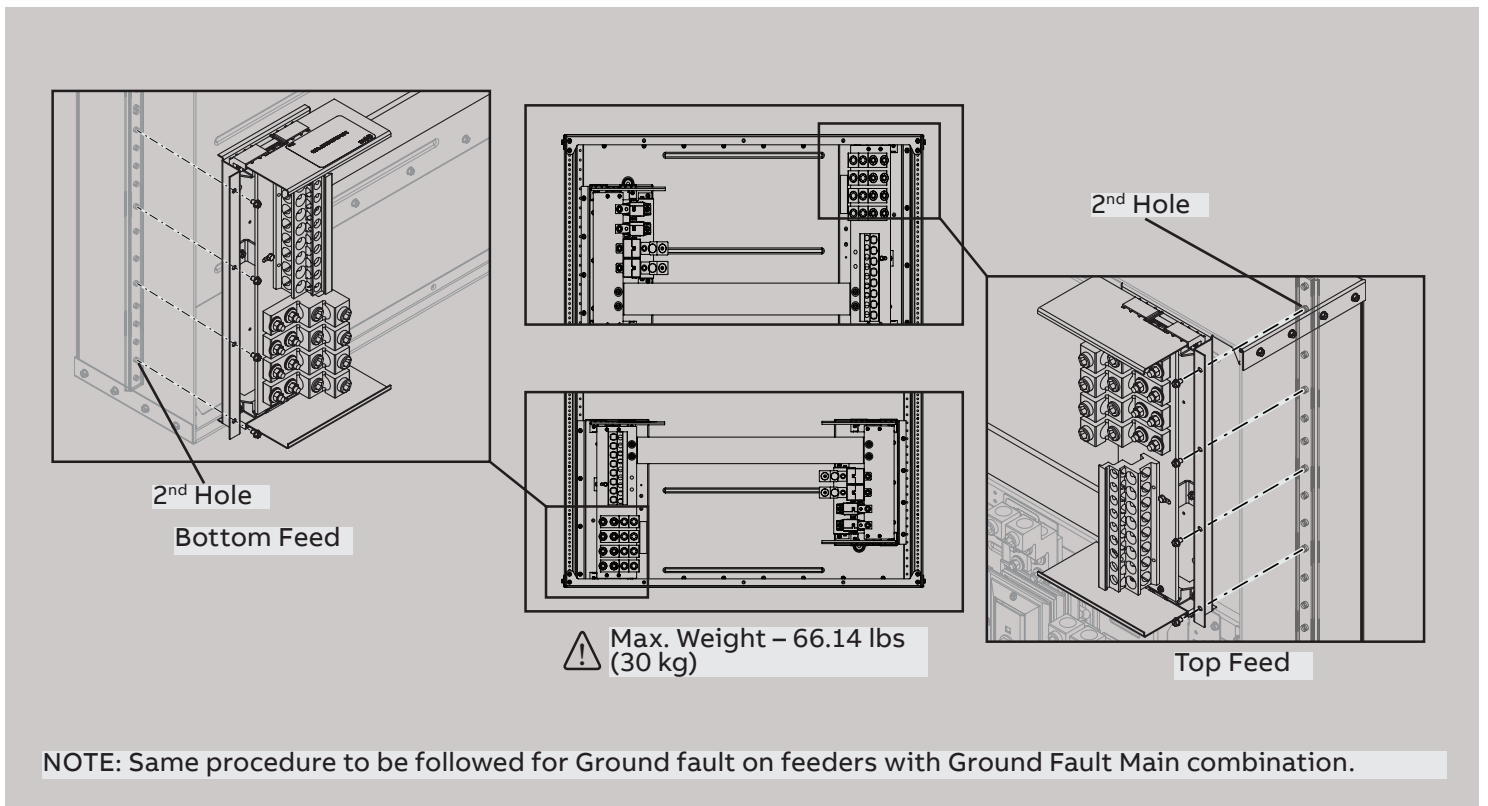
Horizontal Main Ground Fault Neutrals CU/AL (XT4, XT5 & XT7)



Horizontal Main Ground Fault Neutrals CU/AL (Wiring Connection)

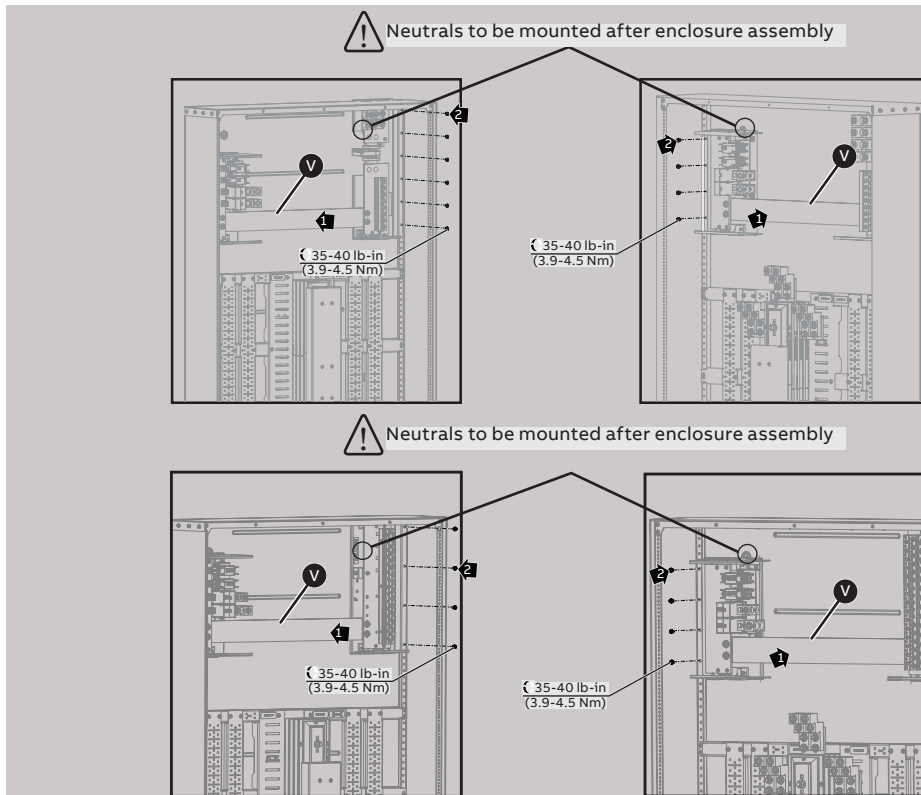


Ground Fault On Feeder Neutrals CU/AL (Orientation)



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Ground Fault On Feeder Neutrals CU/AL (Assembly in Panel)

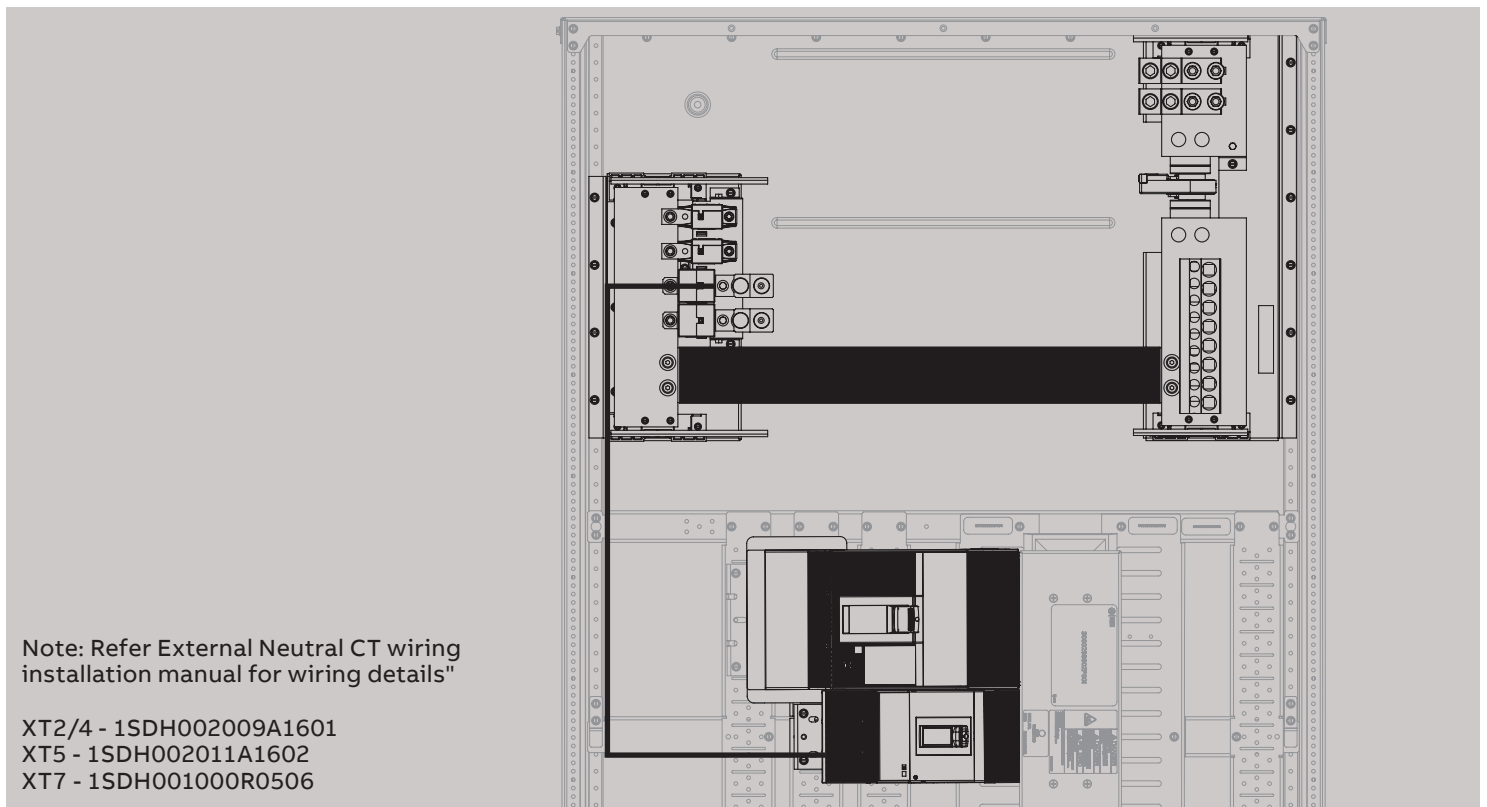


Note:

1. Same procedure to be followed for Ground Fault on Feeders with either a Ground Fault Main or Standard Neutral combination.
2. CT wire is factory connected to LSIG breaker. Connect the other end of wire to respective CT.
3. Route the CT wire along the frame and use tie wraps to fix extra length of wire.
4. For Ground Fault on Feeder performance testing refer document [1VAL106901-HT](#) - Performance testing circuit (10 and 11)

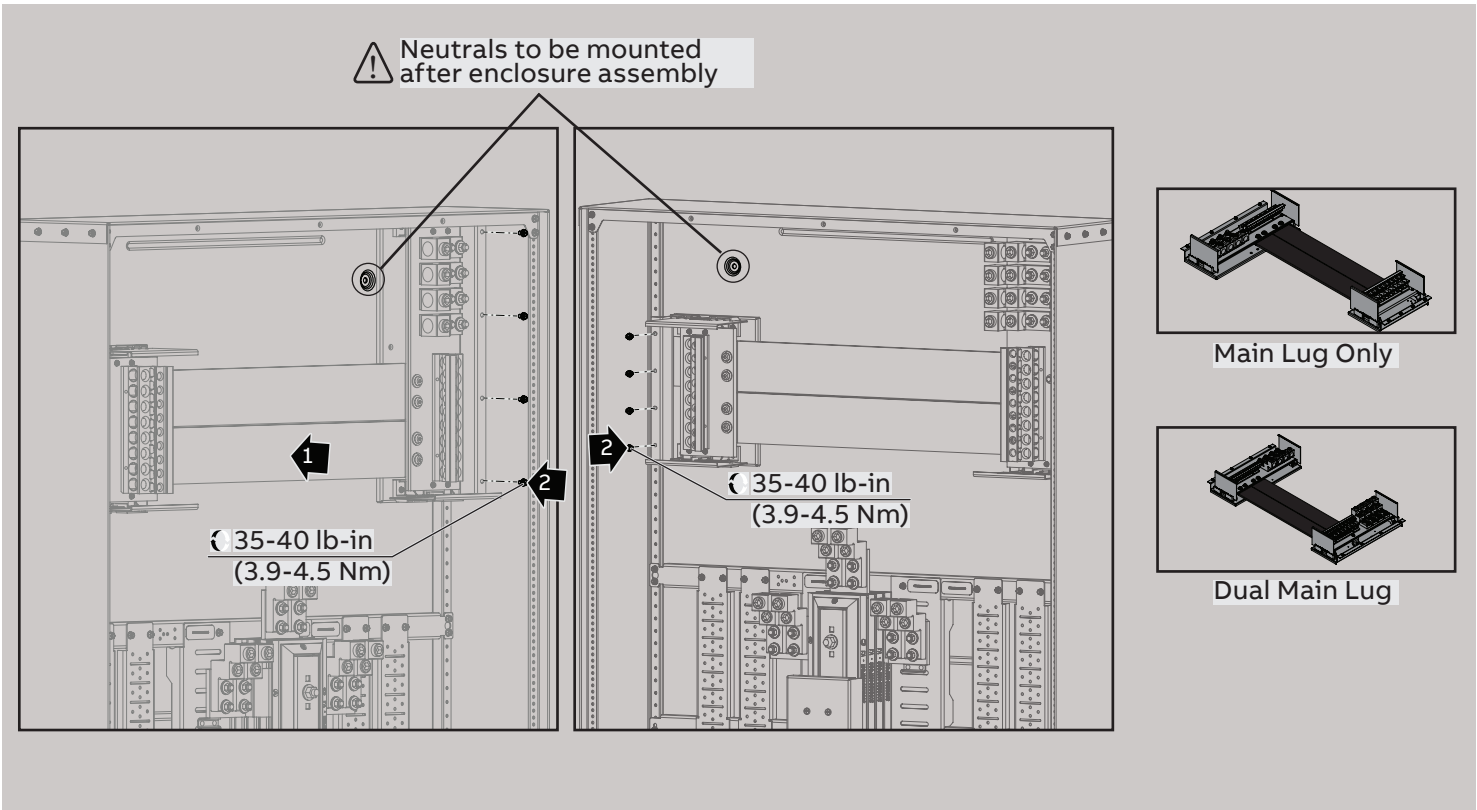
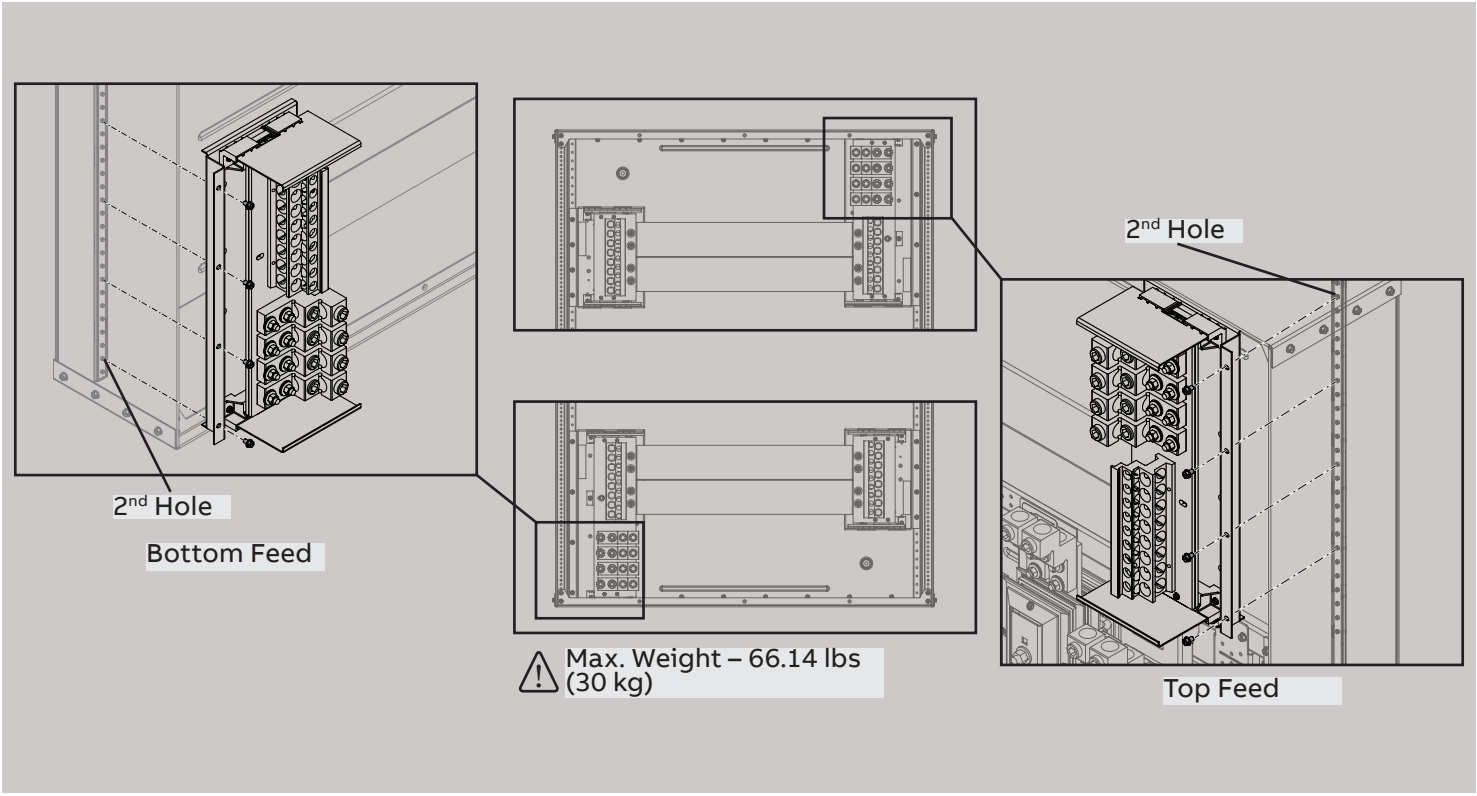
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Ground Fault On Feeders CU/AL (Feeder Wiring Connection)



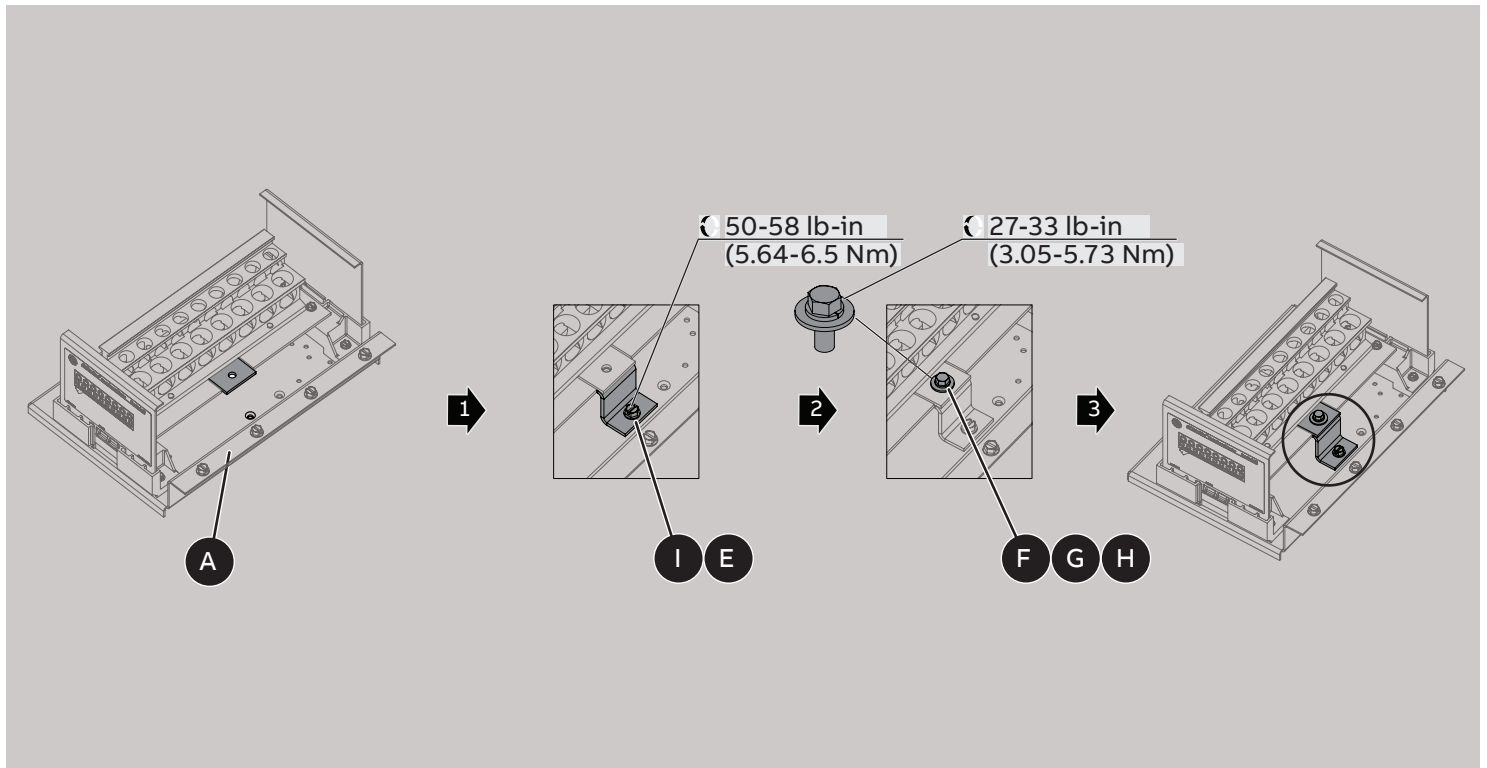
Note: Refer External Neutral CT wiring installation manual for wiring details"

XT2/4 - 1SDH002009A1601
XT5 - 1SDH002011A1602
XT7 - 1SDH001000R0506



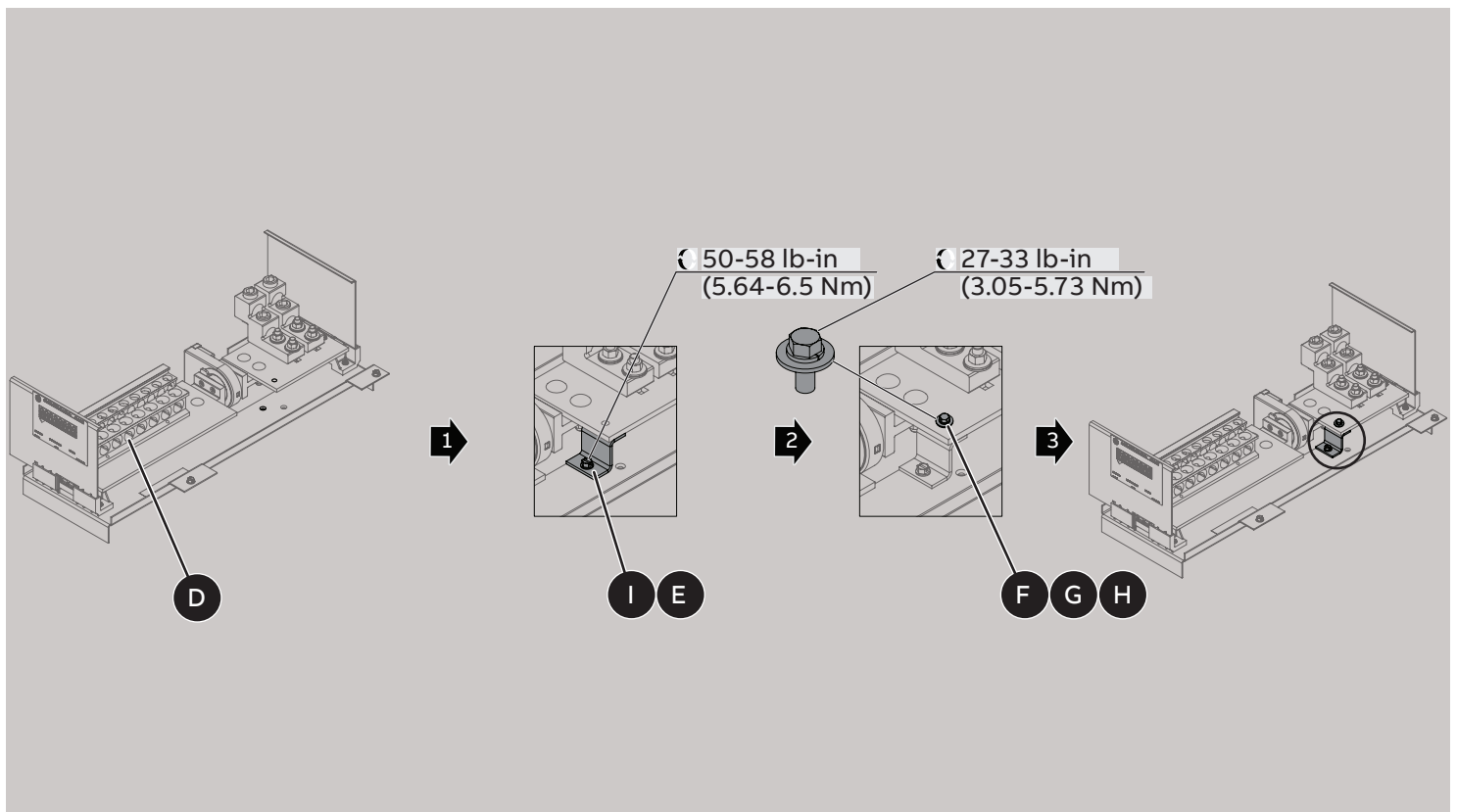
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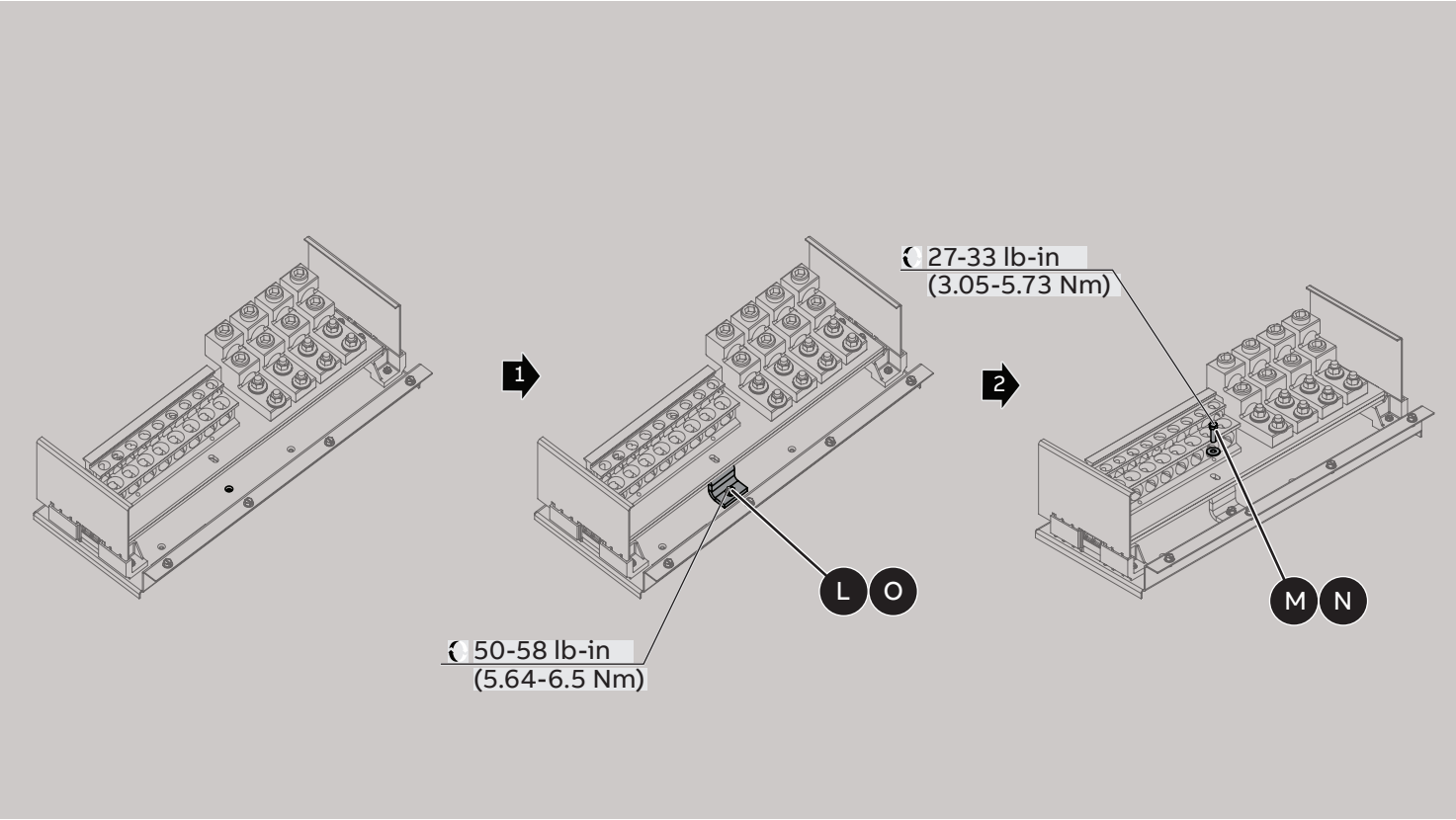
Neutral Bonding Strap Installation (For Standard/DML/Compression Lug Neutrals)



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Neutral Bonding Strap Installation (For GF Neutrals)





For Assembly variant and lug termination details refer to "[1SQC900020M0201](#)".

Disclaimer : These instructions do not cover all details or variations in equipment nor do they provide for every possible contingency that may be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to the ABB Company.

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