

240kW DCFC Cable Retraction Replacement Procedure

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Prepare Tools

Anti-Theft Torx Bit T30



H4 Allen Key Bit



Electric Drill



7mm Pneumatic Socket



Phillips Screwdriver Bit



14mm Pneumatic Socket

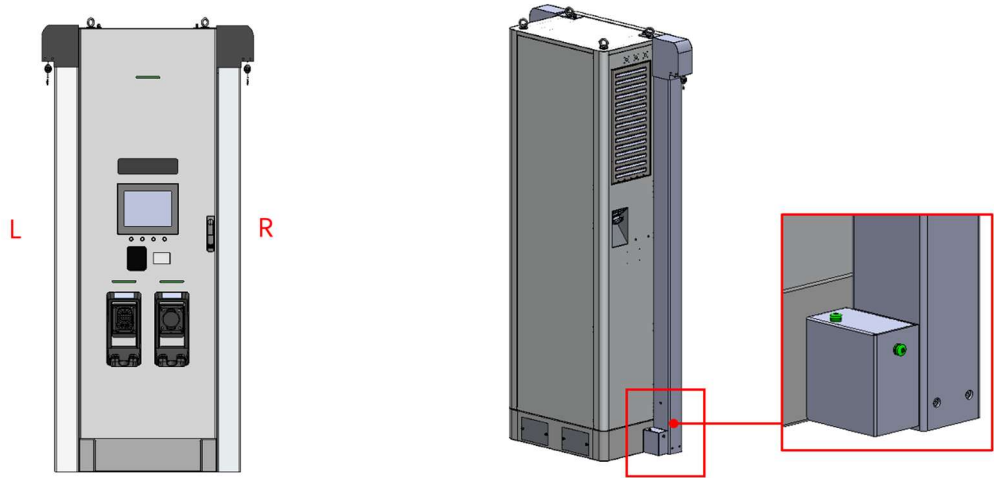


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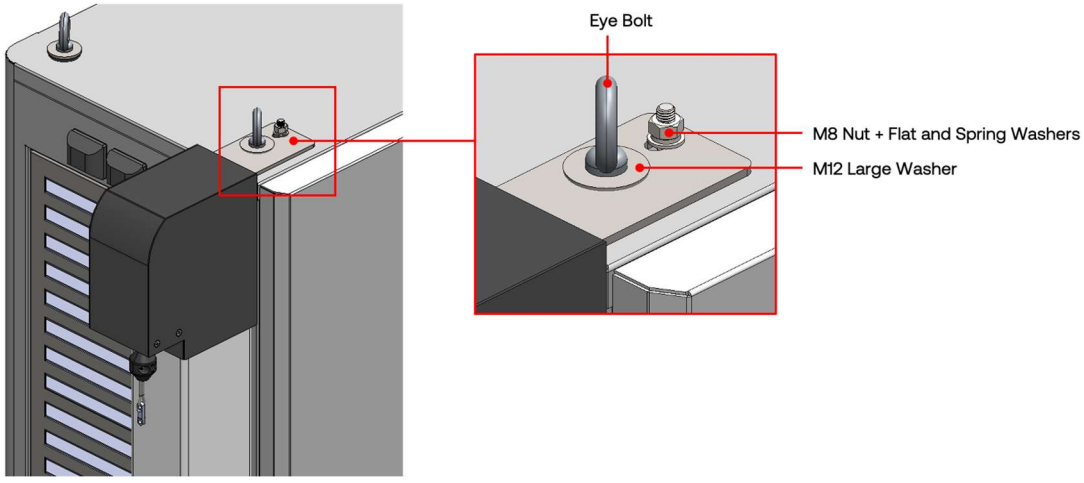
Separating the Cable Management System (CMS) and Dispenser

Required tools: Electric Drill, Anti-Theft Torx Bit T30, and 14mm Pneumatic Socket

⚠ **Note:** The left and right rewinders on the terminal have different structures! Maintain and manage them separately.



Required tools: 14mm Socket



STEP 1: REMOVE COMPONENTS FROM THE REWINDER TOP

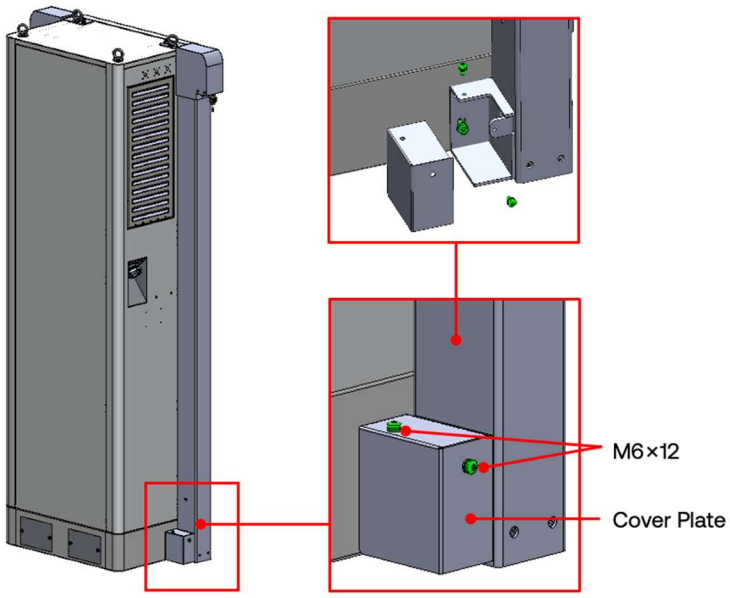
- M8 Nut + Flat and Spring Washers
- Eye Bolt
- M12 Large Washer

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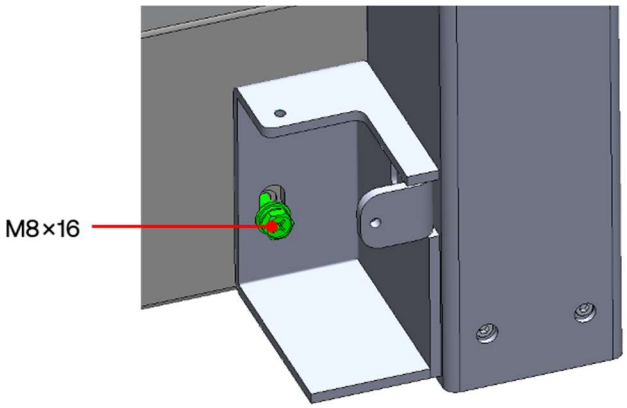
Required tools: Anti-Theft Torx Bit T30 and 14mm Socket

STEP 2: DISASSEMBLE THE COVER PLATE

- Remove M6×12 screws
- Take off the cover plate

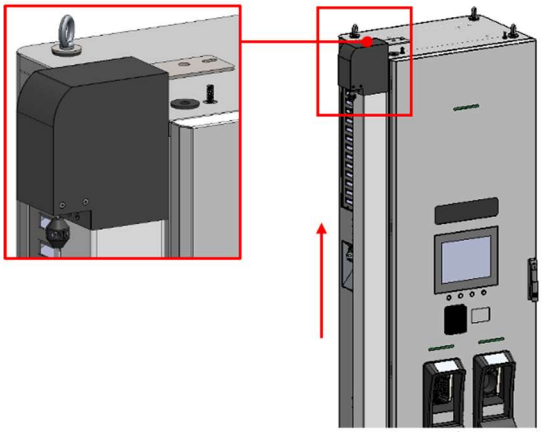


STEP 3: UNSCREW M8×16 SCREWS

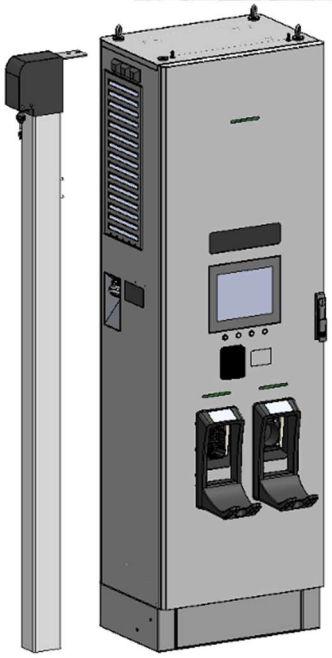


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STEP 4: RAISE THE CMS APPROXIMATELY 3 CM

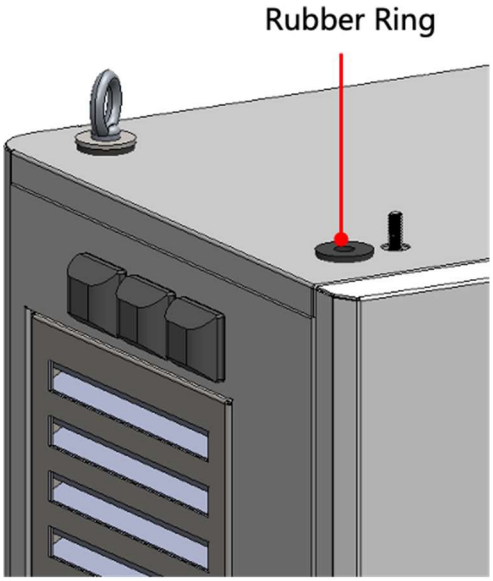


STEP 5: DETACH THE CMS



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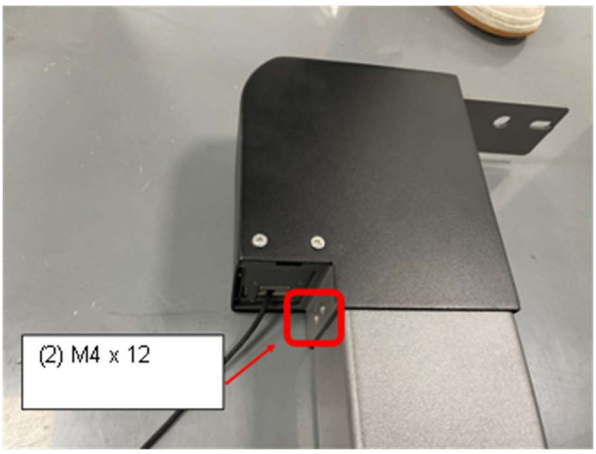
STEP 6: TAKE OFF THE RUBBER RING ON THE TERMINAL TOP



Disassembling the CMS

Required tools: Phillips Screwdriver Bit

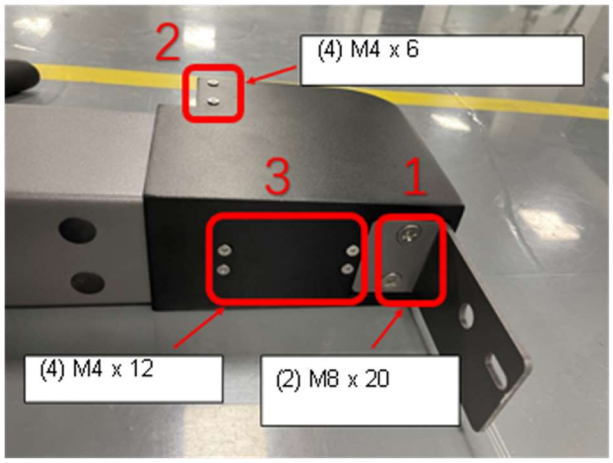
STEP 1: REMOVE M4×12 SCREWS (2 PIECES)



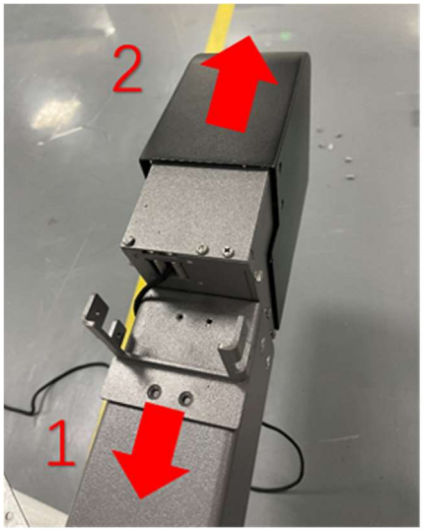
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STEP 2: REMOVE THE FOLLOWING IN SEQUENCE:

- M8×20 screws (2 pieces)
- M4x6 screws (4) pieces
- M4×12 screws (4 pieces)



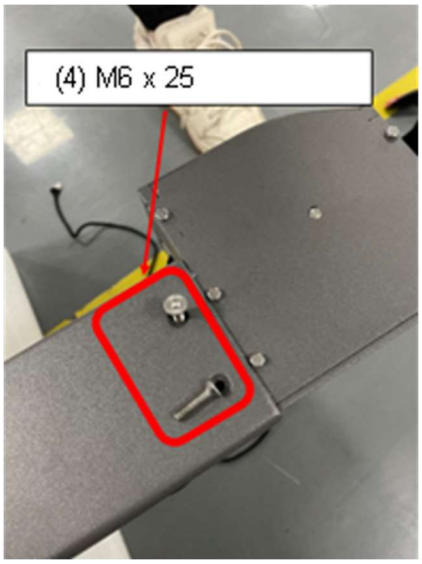
STEP 3: REMOVE UPPER COMPONENTS



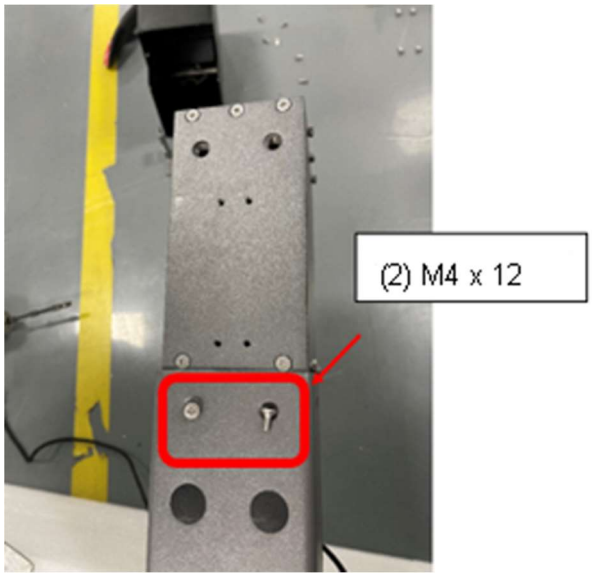
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Required tools: H4 Hex Screwdriver Bit

STEP 4: UNSCREW M6×25 SCREWS (4 PIECES)

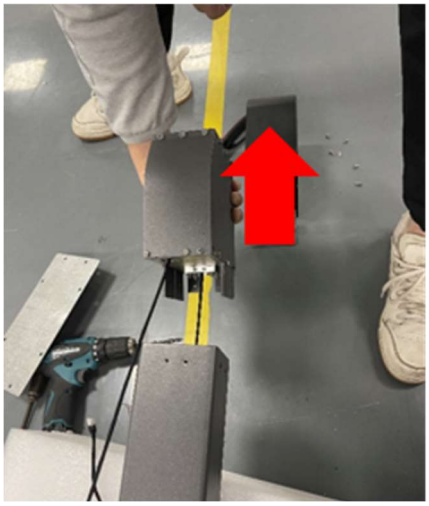


STEP 5: REMOVE M4×12 SCREWS (2 PIECES)

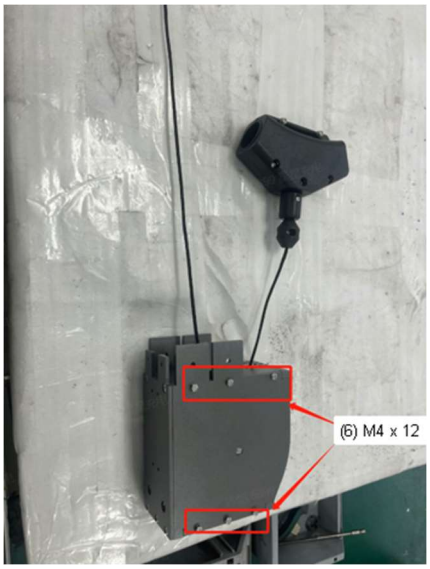


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STEP 6: REMOVE THE REWINDER FROM THE SHAFT

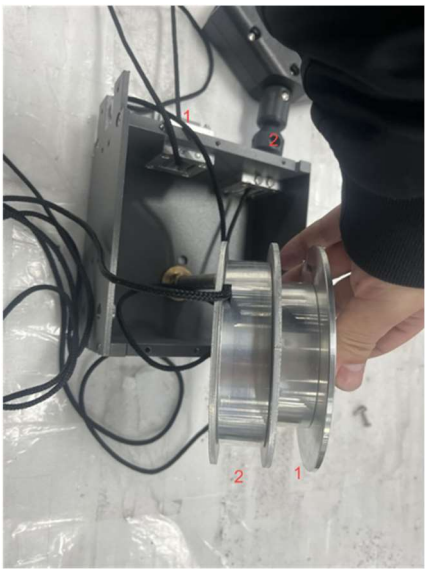


STEP 7: REMOVE M4×12 SCREWS



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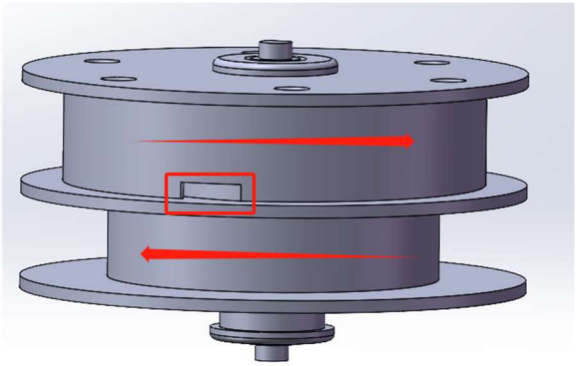
STEP 8: TAKE OUT THE SHAFT SUPPORT AND RE-ALIGN THE ROPE



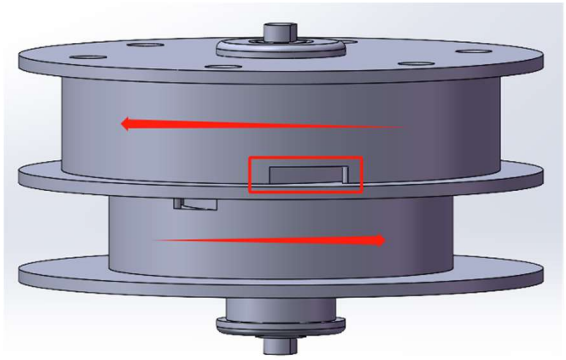
Winding the Rope

⚠ **Note:** The shaft supports differ for left and right sides (indicated in red boxes).

Wind the nylon rope around the drive shaft following the arrows. Ensure the rope is smooth



Left



Right

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Adjusting Rope Length

Clamp end: 115mm rope length exposed.
Weighted end: 1400mm rope length exposed.
Ensure nylon rope inside the shaft support is smooth



Assembling CMS

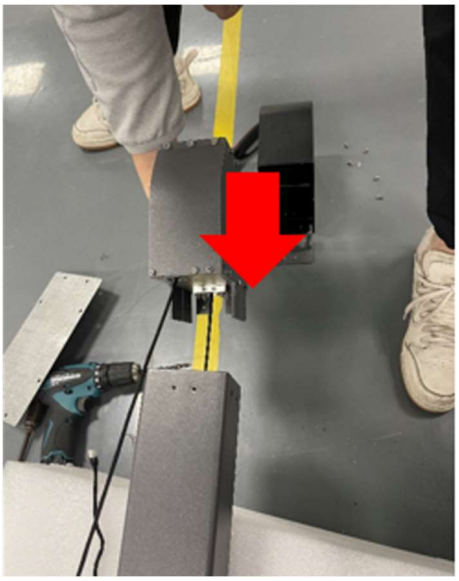
Required tools: Phillips Screwdriver Bit

STEP 1: SECURE 6 PIECES OF M4×12 SCREWS



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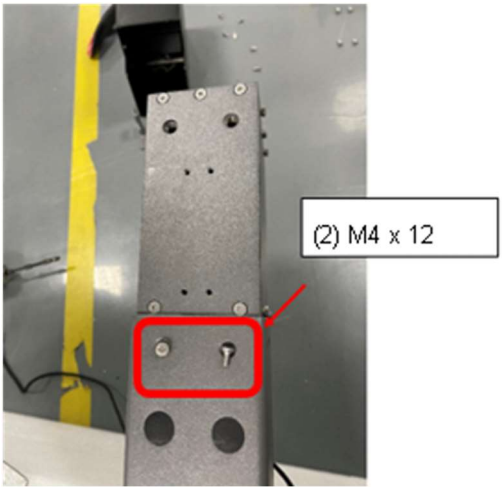
STEP 2: SLOWLY PUSH THE WEIGHT BACK INTO THE POLE



Adjusting Rope Length

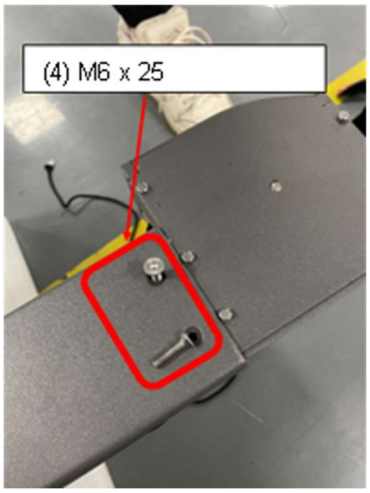
Required tools: H4 Hex Screwdriver Bit

STEP 3: LOCK M4×12 SCREWS (2 PIECES)



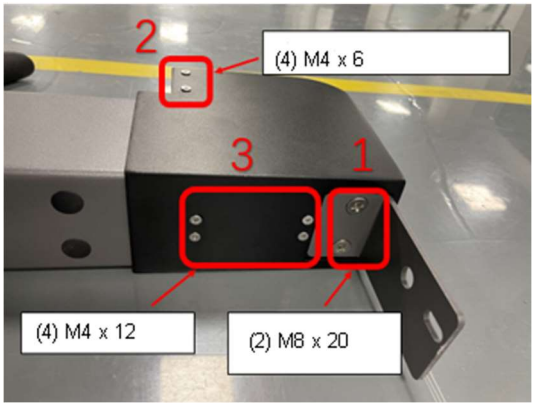
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STEP 4: SECURE M6×25 SCREWS (4 PIECES)

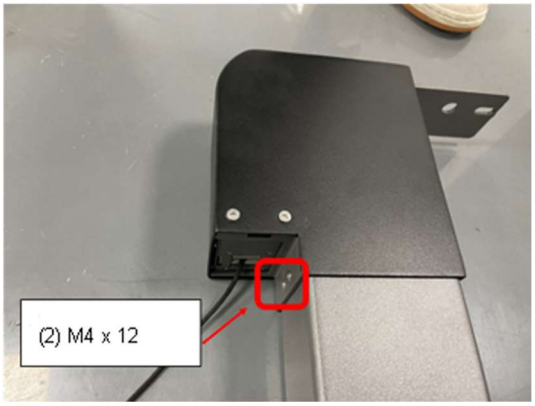


Required tools: Phillips Screwdriver Bit

STEP 5: INSTALL M8×20 SCREWS (2 PIECES), M4×6 SCREWS (4 PIECES), AND M4×12 SCREWS (4 PIECES)



STEP 6: M4×12 SCREWS (2 PIECES)

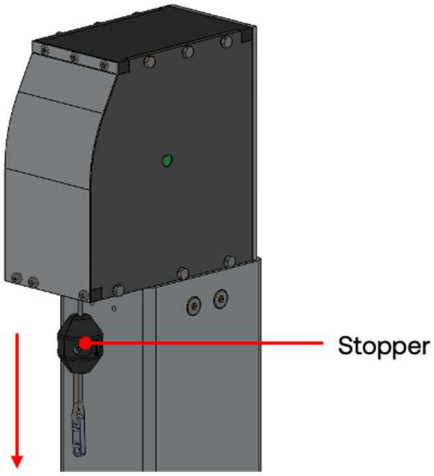


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STEP 7: SLOWLY LIFT THE CMS VERTICALLY

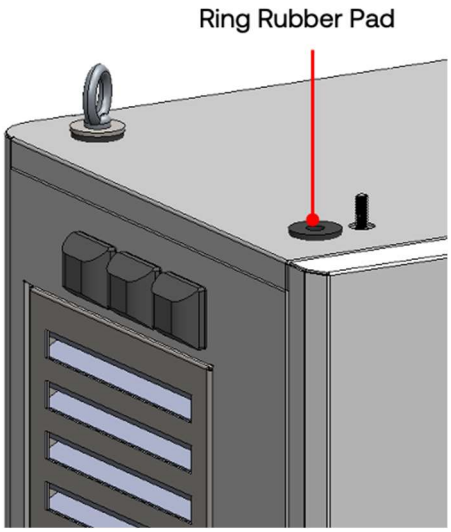


STEP 8: PULL THE NYLON ROPE BY HOLDING THE BLACK BUFFER. ENSURE IT MOVES SMOOTHLY WITHOUT JAMMING. IF JAMMED, RE-DISASSEMBLE AND ALIGN THE ROPE



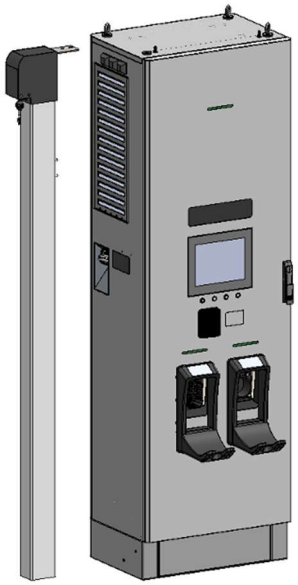
Install the CMS

STEP 1: REINSTALL THE TOP RUBBER PAD ON THE TERMINAL

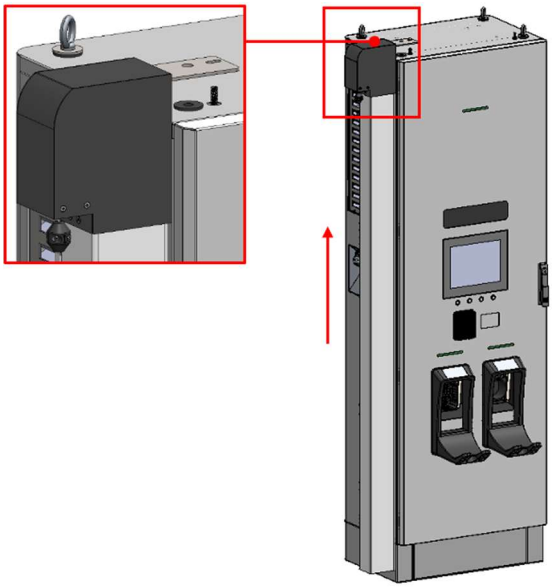


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STEP 2: MOVE THE CMS TOWARD THE DISPENSER



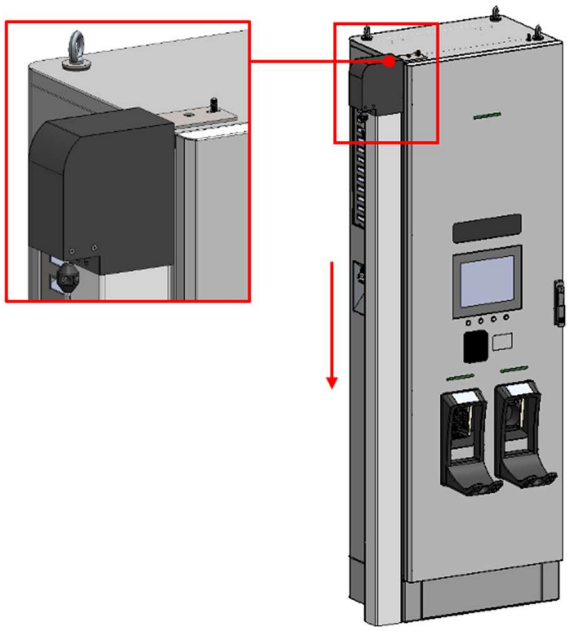
STEP 3: RAISE THE CMS BY APPROXIMATELY 3 CM



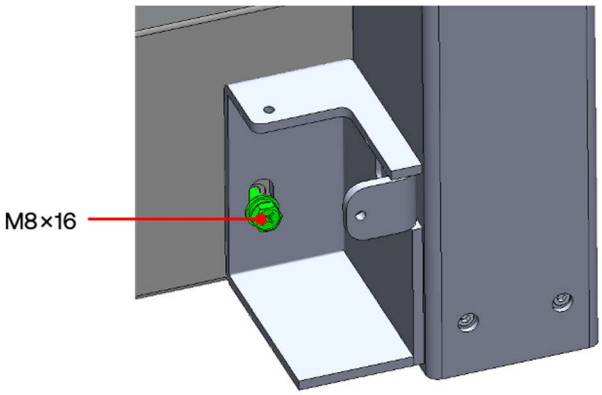
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Required tools: 14mm socket

STEP 4: INSTALL THE CABLE MANAGEMENT DEVICE BY ALIGNING THE TOP SCREWS THROUGH THE BRACKET'S SLOTTED HOLES



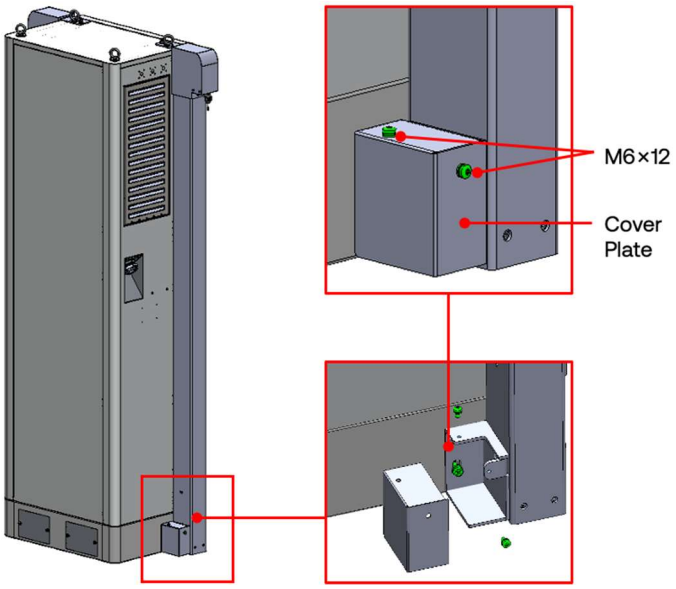
STEP 5: LOCK M8×16 SCREWS



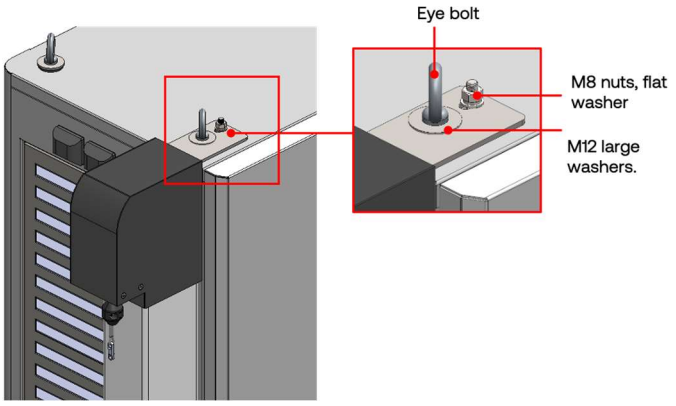
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Required tools: 14mm socket and Anti-Theft Torx Bit T30

STEP 6: COVER THE PLATE AND LOCK M6×12 SCREWS



STEP 7: INSTALL M12 LARGE WASHERS, EYE BOLTS, M8 NUTS AND FLAT/SPRING WASHERS ON THE CABLE MANAGEMENT TOP



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