

USE OF 750V STINGERS IN THE SHOP WORK INSTRUCTION

Work description: Using 750v stingers in the Workshop

Scope: To provide a step by step instructions for using the 750v Stingers in the workshop

References: 750v stinger User Manual

PPE and precautions

Required for the OSB

Competencies or qualifications

Railcar Lead Technician, Railcar Technician

Licenses or permits required

Nil

Tools and equipment required

Nil



Warning

Treat Stinger as live until it has been confirmed it is in the "Off Position"

1. Checking the Status of the Stinger

Check that the stinger is off through the relevant contactor control panel. The aspect has to be as per figure shown. If not, turn it off by pushing the red button located on the bottom left corner of the panel.



Contractor control panel. Stinger in Off position

2. Location of the Knife Switch on the Train

Go to the train and open the knife switch cabinet associated to the car that needs to be put under shop power. There is a knife switch cabinet on each train car



Train Knife Switch

Approved By:

☐ Director, Operations and Maintenance

☐ Department Manager

☐ Manager, HSE (Operations and Maintenance)

Signature:

Date:

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3. Location of the Knife Switch on the Train

Rotate the knife switch to the "Shop Test" position as shown below



Handle in Rail Test Position



Handle in Shop Test Position

4. Inserting the Stinger into the Train

Insert the stinger in the socket located into the relevant knife switch cabinet. Make sure that pins highlighted in the yellow circle in figure (c) are aligned with the holes highlighted in the yellow circle of figure (a).



(a) Socket



(b) Inserted Stinger



(c) Stinger

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5. Turning the Stinger On

Once step 3 has been completed, turn on the stingers through the relevant contactor control panels, Press the black button located on the bottom right corner of the panel. When the stinger is on, the red light on the top right corner of the panel will illuminate.

NOTE: If the train batteries need to be charged, both M cars (i.e. M1 and M2) need to be under shop power.



Contractor control panel. Stinger in On position

6. Stinger Deactivation and Removal

- Turn off the all the stingers attached to the train trough the relevant contactor control panels. Each stinger shall be turned off pushing the off button located on the down left corner of the panel.
- Remove Stinger from the socket
- Put Knife Switch handle in rail test position (See Step 3 above)
- Close knife switch cabinet
- Repeat (a) to (d) to remove other stingers



Contractor control panel. Stinger in Off position