

GE ZENITH Controls

MX 100 Replace the RT Box	
Purpose:	To replace a defective RT box..
When:	When directed by a service order.

Required Tools & Equipment:	
Basic electricians hand tools	PPE
RT box	Rubber insulating gloves class 0
	Safety glasses
	Electrical hazard safety shoes

 **Danger**

HAZARDOUS VOLTAGE
Can Cause Severe Injury or Death

Ensure before the enclosure is opened, you must lockout all energy sources to the ATS.

Do These Steps:

1. *Obtain* the proper documentation.
2. *Open* the enclosure.

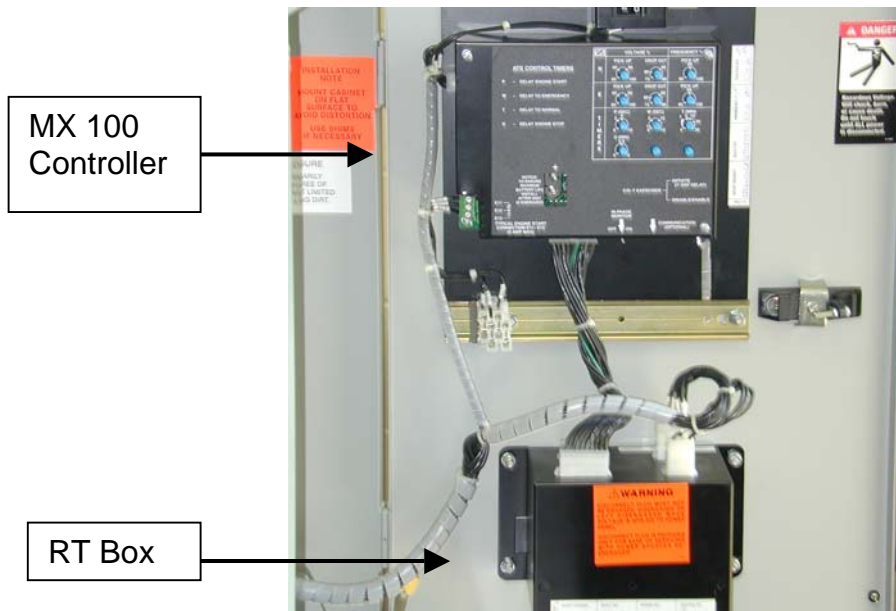


Figure 1.

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3. *Place* the disconnect switch to “Inhibit”.
4. *Disable* the generator start-up circuit.



Danger

HAZARDOUS VOLTAGE Can Cause Severe Injury or Death

On systems with multiple ATS's connected to a single generator, you will need to all energy sources to the ATS continuing on.



Figure 2.

5. *Disconnect* Main Power
6. *Verify* zero volts across each phase.

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7. Remove plugs J5, J7 & J8 from the RT box.

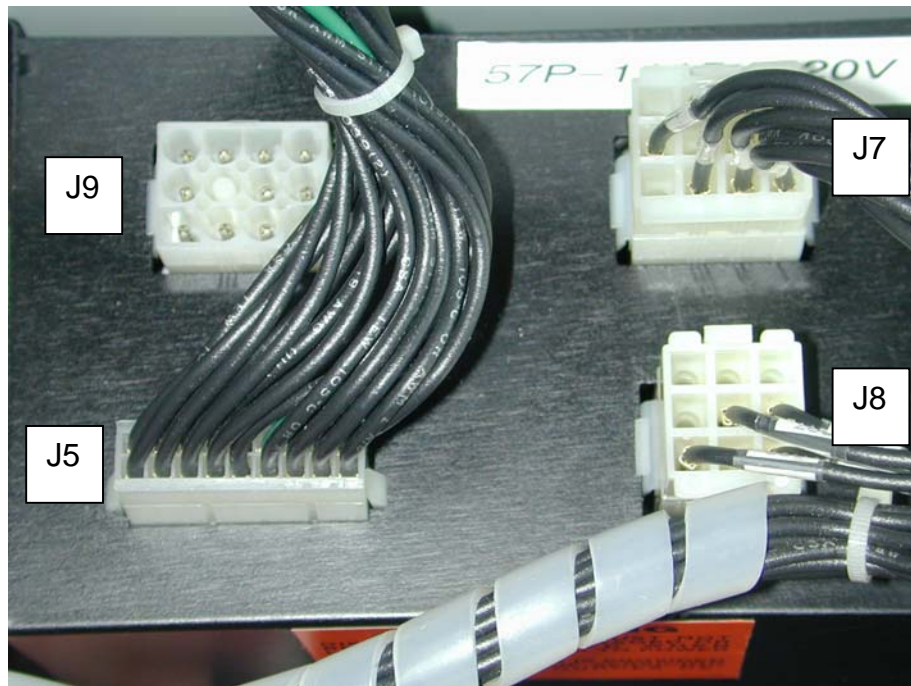


Figure 3.

8. Remove the four nuts and washers securing the RT box to the backside of the front cover.

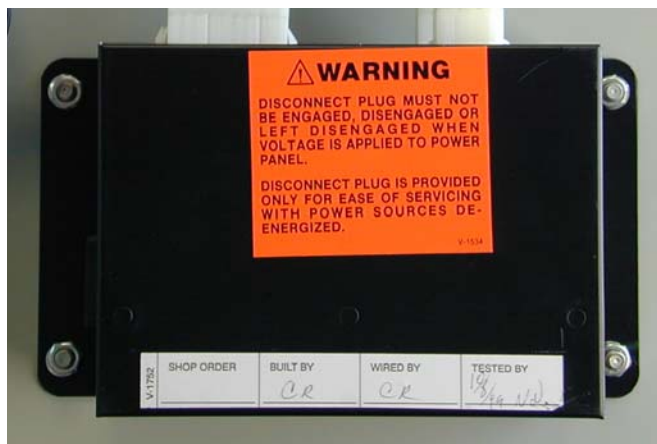


Figure 4.

9. Remove the RT box.

10. Install the new RT box.

11. Install the four washers and nuts on to the bolts.

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12. *Tighten* the nuts.

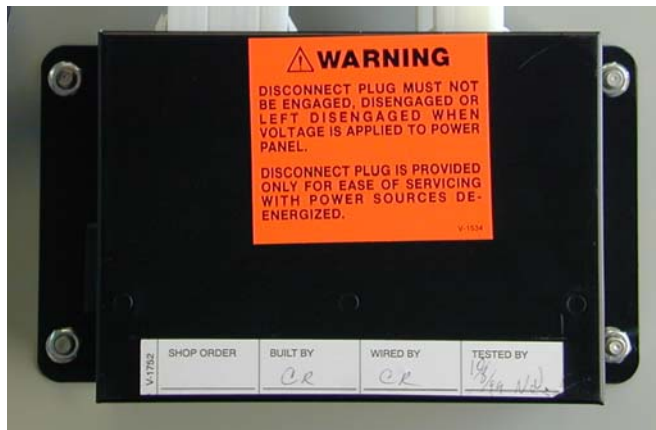


Figure 5.

13. *Connect* the plugs J5, J7, & J8 to the RT box.

Note: Make sure that the plugs are seated properly.

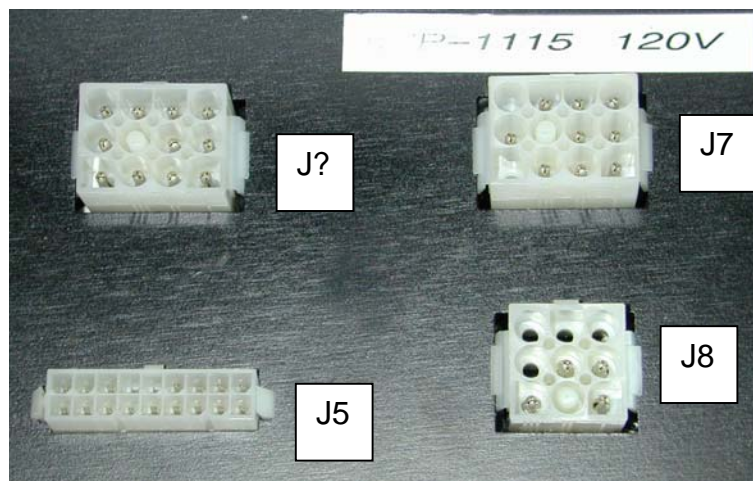


Figure 5.

14. *Energize* the ATS.

15. *Enable* the generator start-up.

16. *Place* the disconnect switch to "Auto".

17. *Close* the enclosure.

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18. *Push and hold* the test pushbutton.

Note: After the time delay switch should automatically transfer to the emergency position.



Figure 6.

19. Release the test pushbutton.

Note: Once you release the test pushbutton and after the time delay, the ATS should return to the normal position.



Figure 7.

20. *Clean-up* the area.

21. *Complete* the Service Report.

22. *Send* Reports to GE Zenith Controls.

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You know you are completed when:

- The transfer switch is secured and operating properly.
- The tools are stored.
- The reports are completed.