

GE ZENITH Controls

Replace the F-17 Arc Chutes.

Purpose:	To replace a defective Arc Chute
When:	When directed by a service order.

Required Tools & Equipment:

Basic electricians hand tools	PPE
Arc Chute	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 front cover.
3. *Place* the disconnect switch to "Inhibit".

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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 lockout all energy sources to the ATS generator before continuing on.

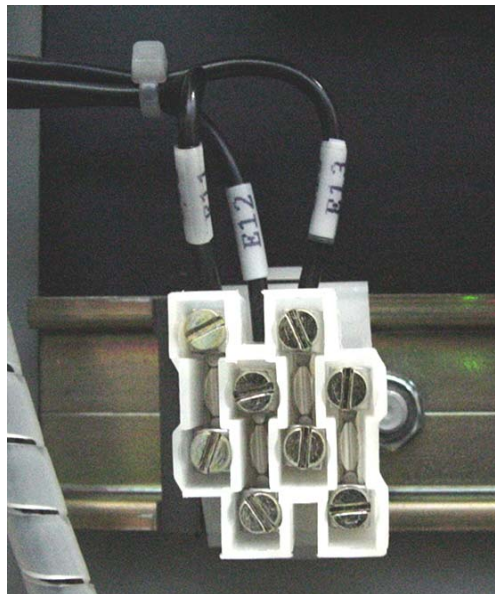


Figure 1.

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

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7. Disconnect the J8 plug from the RT box.

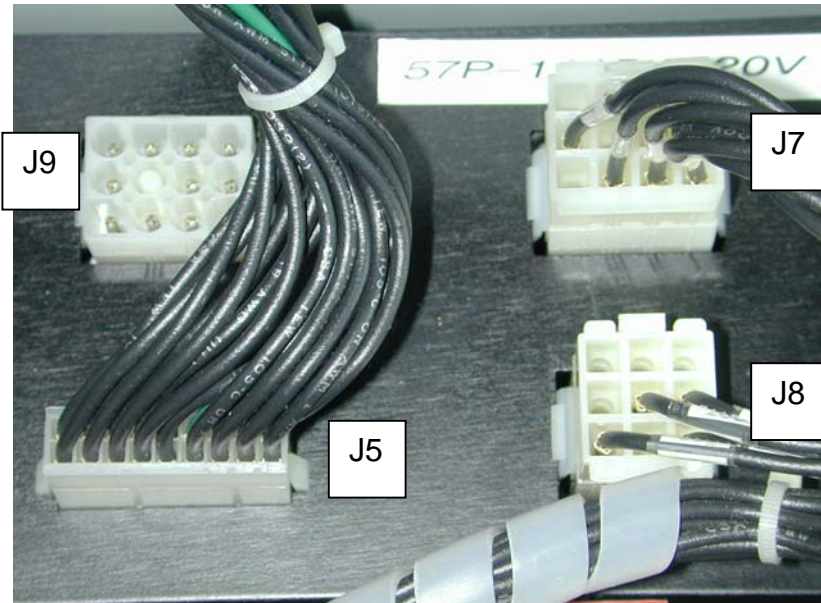


Figure 2.

8. Remove the Arc Chute Hold Down Screws.

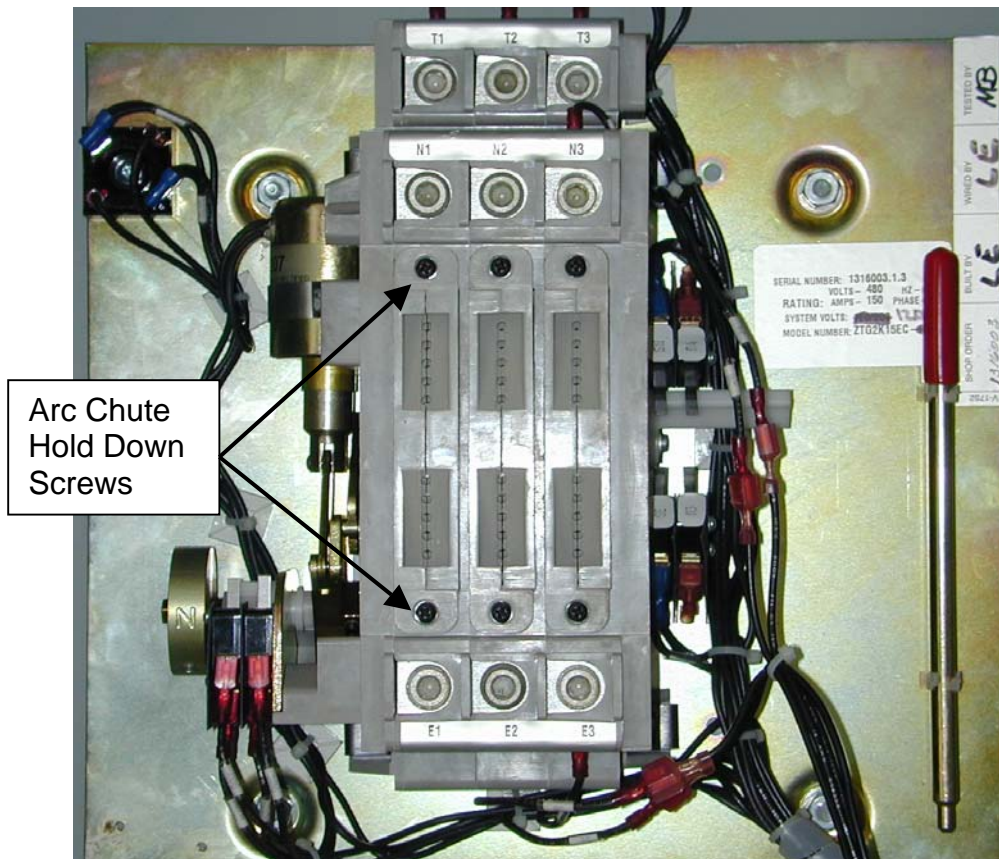


Figure 3.

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9. *Remove the Arc Chute.*



Figure 4.

10. *Inspect the movable contact for damage.*

If damage is:	Then:
Found	<ol style="list-style-type: none">1. Call GE Zenith Controls for a replacement power panel.2. Continue on.
Not found	Continue on.

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11. Install new Arc Chute.



Figure 4.

12. *Install* the holding screws and washers.
13. *Torque* screws to 25 in-lbs.
14. *Operate* the switch manually, several times to ensure that it does not stick.
15. *Energize* the ATS.
16. *Connect* the J8 plug to the RT box.
17. *Enable* the generator start-up.
18. *Place* the disconnect switch to “Auto”.
19. *Close* the front cover.
20. *Push and hold* the test pushbutton.

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

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Figure 7.

21. 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 8.

22. *Clean-up* the area.

23. *Complete* the Service Report.

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24. *Send* Reports to GE Zenith Controls.

You know you are completed when:

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