

Blast Valve Timing adjustment

Blast valve timing

Key Points

The following is a list of items to keep in mind when removing the arc chutes.

- The ear is the best tool.
- Adjustments are limited by the serrated edges.
- The breaker will have to be operated by hand to check adjustments.

Safety

This procedure requires personnel to be in the high voltage compartment of the breaker. The breaker reservoir should be drained. Close the supply valve, and open the drain valve for the duration of the job.

Summary of Method

The following list is a summary of work needed to be done.

- Then breaker will need to be opened by hand
- The cam will need to be marked.

Adjusting the Blast Valve Timing

The following are the steps required to adjust the blast valve timing.

Method

1. If it is not already, close the breaker.
2. Open the breaker slowly and listen for the blast valves to close. They should close very close to each other.
3. If one needs adjusted, mark the cam so that the position change can be seen.
4. Loosen the bolts holding the cam in place.
5. Adjust the cam:
 - a. If the blast valve needs to close sooner, move the cam out towards the front of the breaker.
 - b. If the blast valve needs to close later, move the cam in towards the breaker.
6. Close the breaker and reopen it to check timing.
7. Repeat above steps until satisfactory results are achieved.

Recommended Manpower

Two people

Recommended Tools:

½" ratchet with ¾" socket

Hand-operating lever

Recommended PPE

Hard Hat

Gloves

Safety Glasses