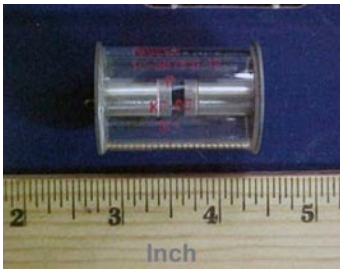
FACTSHEET

SOLID-STATE NON-RADIOACTIVE IGNITION EXCITER

Applicability:
6B, 7E, 9E, 7F, 9F Gas Turbines

The gas turbine ignition exciter produces a high electrical charge which is carried to the spark plugs via ignition leads. Gas turbines are typically equipped with an ignition exciter containing (2) two spark gaps, as shown in Figure 1 & 2. Each spark gap can contain radioactive Krypton-85 gas sealed in a glass tube. The gas helps stabilize the high electric charge sent from the exciter to the spark plugs.

Ignition Exciter



Spark Gap

A newer solid-state non-radioactive ignition exciter has now been qualified and integrated into gas turbine ignition systems. GE Vernova no longer offers the legacy radioactive exciter for new unit and replacement parts.

- The newer solid-state technology does not contain radioactive material.
- The newer solid-state ignition exciter component has been configured to be a direct 1 to 1 replacement for all legacy exciters.
- As the newer exciter is configured to be a direct replacement, no other hardware changes are required to existing ignition system components such as leads, plugs, etc.

Today, availability of the newer ignition exciter can be limited with longer than normal lead times. GE Vernova recommends customers consider a safety stock strategy to help ensure any emergent needs are met.

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