



*Quality and Value
Through Engineering*

- ◆ Axcelis Eaton/Nova GSD
- ◆ Cathode Wire Assembly



Axcelis - IMPLANTER PARTS
Model GSD ELS

Signet Improved GSD Cathode Wire Assembly



Signet Part 40-5699-1

This Signet improved design replaces two Axcelis Eaton/Nova parts, part number 17156990 the cathode wire and part number 5101979 the connector.

Problems

- Two parts to order and inventory
- Uninsulated wire can short out
- Difficulty attaching to Cathode Support
- Easy to break Cathode Support when attaching

Solutions

- Signet 40-5699-1 Cathode Wire Assembly
- Crimp Tantalum wire to BeCu terminal
- Insulate wire with Alumina beads
- Attach Stainless Steel Contact Plate
- Use Stainless attachment screw with washer and lock washer to allow for finger tight connection to Cathode Support Plate and disperse pressure evenly while providing more surface contact to electrical connectivity.

This Signet assembly has surpasses the useful life of the two OEM parts and makes maintaining the GSD ion source easier.

Signet Part #	OEM Part #	Description
40-5699-1	17156990 Ref.	Cathode Wire Assembly
40-5699-1	5101979 Ref.	Cathode Wire Assembly

Ref. = Design Alteration of OEM Part

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