

HE3 Post Accel Extraction Electrode Upgrades for GSD Implanter Systems

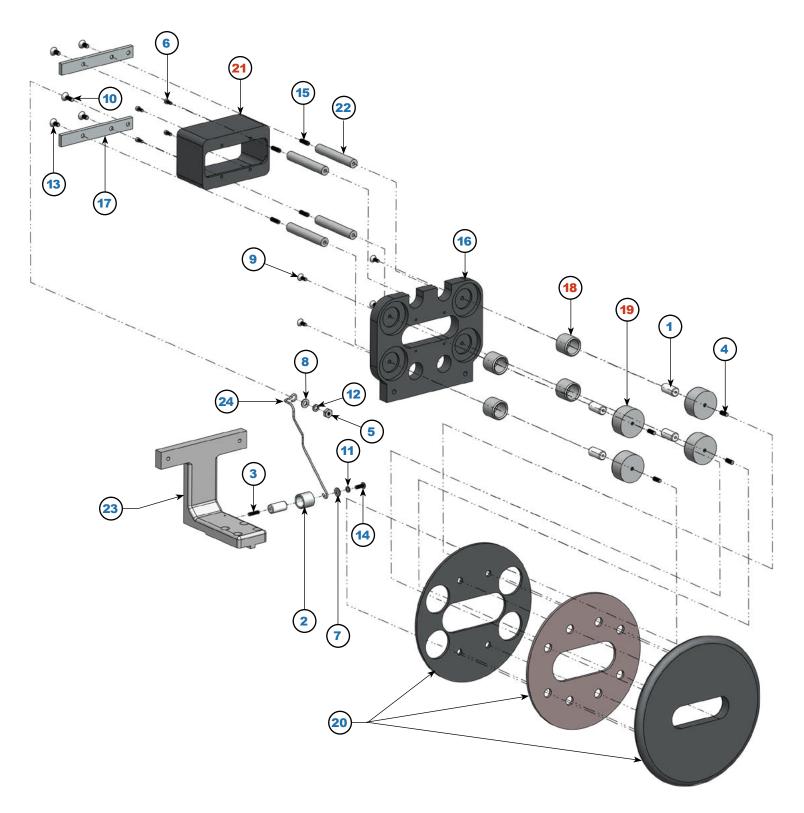
Glemco improves the HE3 Post Accel Extraction Electrode through construction that enhances production and increases effiency with these developments...

- Greater Protection Increased shielding of the power feed-through.
- ➤ Enhanced Design
 Improved isolation of the suppression aperture.
- ➤ Better Productivity

 Reduced arcing and extended PM frequency.



HE3 Post Accel Extraction Electrode Components

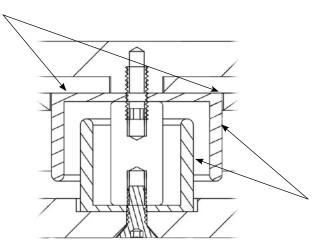


^{*} Glemco offers improvements, modifications, or alternatives to standard OEM replacement components as indicated in red.



HE3 Post Accel Extraction Electrode Components

The enhanced graphite ground plate is thicker and pocketed to accomodate longer inner shields.



Longer cup and insulator design improves isolation of suppression aperture.

| Item | P/N | Description | OEM | Qty |
|------|--------|--|-------------------------|-----|
| 1 | 30680 | Ceramic Standoff, Ø 3/8" X 3/4" Long | 7230-0003-0014 | 5 |
| 2 | 30710 | Aluminum Cup | 7103-0008-2001 | 1 |
| 3 | 82119 | Set Screw, 6-32 X 1/2", .138 X .500, SST | 4400082 | 1 |
| 4 | 82126 | Set Screw, 8-32 X 3/8", .164 X .375, SST | 1236200808 | 4 |
| 5 | 82298 | Nut, Hex, 8-32, .164, SST | 4400029, 5053-0002-0082 | 1 |
| 6 | 82385 | SHCS, Socket Head Cap Screw, 4-40 X 1/4", .112 X .250, SST | 1236200403, 4400194 | 4 |
| 7 | 82470 | Washer, Flat, #6, .149 ID, .375 OD, .025 Thick, SST | 1412200600, 4400760 | 1 |
| 8 | 82474 | Washer, Flat, Standard, #8, .171 ID, .375 OD, .032 Thick, SST | 4400498, 8462-0004-0807 | 1 |
| 9 | 82587 | FHSS, Flat Head Socket Screw, 6-32 3/8", .138 X .375, SST | No OEM Reference | 4 |
| 10 | 82589 | FHSS, Flat Head Socket Screw, 8-32 1/2",.164 X .500, SST | 6971-0004-7208 | 1 |
| 11 | 82606 | Washer, Lock, Split, #6, .148 ID, .250 OD, .031 Thick, SST | 4400034, 8465-0002-0062 | 1 |
| 12 | 82609 | Washer, Lock, Regular Spring, #8, .040" X .174" ID X .293" OD, SST | 4400062 | 1 |
| 13 | 8A217 | FHSS, Flat Head Socket Screw, 8-32 X 3/8", .164 X .375, SST | 4400024 | 4 |
| 14 | 8A257 | VBHSS, Vented Button Head Socket Screw, 6-32 X 3/8", SST | E47000192 | 1 |
| 15 | 8A387 | VSS, Vented Set Screw, 8-32 x 1/2", .164 X .500, SST | 4400664 | 4 |
| 16 | 99030D | Single Gas Ground Electrode Plate | No OEM Reference | 1 |
| 17 | 99137 | Bar | 1701730 | 2 |
| 18 | 99138C | Small Cup, Extended, SST | 1711262(MOD) | 4 |
| 19 | 99139A | Large Cup, Extended, SST | 1711261(MOD) | 4 |
| 20 | 99181D | Tungsten Reinforced Aperture | No OEM Reference | 1 |
| 21 | 99473A | Post Accel Aperture Block, Modified, Graphite | 17122980(MOD) | 1 |
| 22 | 99582A | Electrode Standoff | 1712391 | 4 |
| 23 | 99898 | Post Accel Head Mounting Bracket | 11028480 | 1 |
| 24 | 99915 | Suppression Wire, Tantalum | No OEM Reference | 1 |

Contact us at sales@glemco.com

Order online at www.glemco.com

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