IAE V2500
Ignition System Components

The Champion Advantage

• Improved air-cooled lead design
• Igniter design extends ignition lead life due to favorable heat condition characteristics
• Advanced aerospace grade ceramics
• Incorporates higher temperature capable dielectric insulating materials to resist corona and thermal degradation/dielectric failures
• Piece part availability for on-site maintenance
• Warranty and core exchange program

A cost-effective Solution for Improved Reliability & Longer Life. Champion Aerospace offers ignition system components for V2500 powered aircraft, featuring long-life igniters and increased airflow, air-cooled ignition leads. Champion V2500 ignition components are cost effective solutions providing low cost maintainability while improving ignition system reliability.

Click Here for a Competitive Evaluation

**Ignition Product Reference Chart**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Engine Model</th>
<th>Alternate Vendor Part #</th>
<th>Alternate Engine OEM Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH53564*</td>
<td>V2500 Series</td>
<td>9041505-7</td>
<td>SU0072</td>
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<td>512090-1</td>
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</tbody>
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* FAA-PMA Approved
Design Features of Champion V2500 Igniters Assure You Value-Added Advantages

- OEM preferred
- Prevents gas leakage by hot-lock seal assembly process
- High temperature super alloy ground electrode feature
- Highly spark erosion resistant center electrode feature
- Proprietary aerospace grade ceramic insulators
- Highly pedigreed design with commonality to GE CF6, CFM56, CF34 and PW4000

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<td>V2500 Series</td>
<td>JS-100A-1</td>
<td>SU0056</td>
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Champion

- Advanced aerospace grade ceramic insulators for maximum thermal shock resistance
- Tungsten contact button for maximum resistance to arcing and pitting
- Larger diameter center electrode promotes better firing end heat dissipation
- High temperature super alloy ground electrode for optimum spark erosion
- No leak design hermetic mechanical shell seal
- Thermal choke prevents heat flow
- Spring loaded lower insulator for better thermal shock resistance and expansion
- Telescoping insulator design yields lower terminal well temperatures

Competitor

- Copper alloy contact susceptible to arcing and pitting
- Non-hermetic mechanical shell seal permits low level gas leakage
- Commercial grade ceramic insulators
- NO Thermal choke allows terminations to be hotter
- Smaller lead bearing glass seal center electrode
- Smaller hybrid iridium-platinum alloy ring ground electrode
- Lower insulator rigid sillment retention method

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