



SERVICE BULLETIN

S.B.CH31964-74-21-001

INTRODUCTION OF CHAMPION IGNITER CH31964 FOR IAE V2500 MODEL ENGINES

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Issued by:

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LETTER OF TRANSMITTAL COVERING INTRODUCTION OF CHAMPION AEROSPACE IGNITER CH31964 FOR INTERNATIONAL AERO V2500 MODEL ENGINES

1. Summary

This service bulletin introduces Champion CH31964 igniter as an OEM IPC approved alternative part for installation and operation in V2500 model engines for Boeing and Airbus aircraft. The CH31964 igniter plug had originally been an FAA-PMA approved part on 6 September 2006, with commercial revenue service beginning November 2006.



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1. PLANNING INFORMATION

A. EFFECTIVITY

- (1) Igniter Plug, CH31964 (IAE P/N: CH31964).

B. CONCURRENT REQUIREMENTS

- Not applicable.

C. REASON

- (1) This service letter consists of introducing an alternative to the current NGK igniter plugs with Champion Aerospace igniter plugs.

D. DESCRIPTION

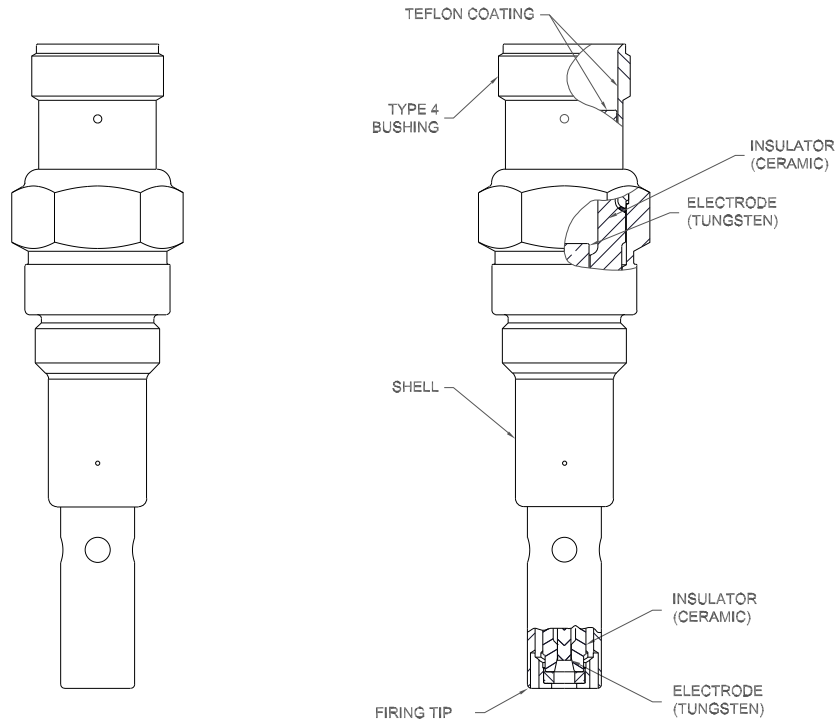
- (1) This service letter announces the availability of Champion Igniter CH31964 as an alternative igniter for the V2500 model engines.
- (2) The CH31964 igniter (Figure 1) has demonstrated reliable service by incorporating proprietary aviation grade ceramic insulators. The igniter is a recessed gap igniter and features an ARP670 Type 4F connector bushing designed to accept an ARP670 Type 4M lead assembly for aircraft equipped with V2500 engines. The igniter consists of a tungsten input terminal contact, a two-piece aluminum oxide insulator, center seal, and spark gap with a tungsten center electrode tip.



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CH31964 Igniter.
(Sheet 1)
FIGURE 1

E. COMPLIANCE

- (1) See applicable IAE Service bulletin for Compliance Category.

F. APPROVAL

- (1) This service bulletin contains no modification information that revises the approved configuration and therefore does not require governmental or other regulatory agency approval.

G. MANPOWER

- (1) The manpower requirements for installation and removal of the OEM IPC and FAA-PMA approved CH31964 igniter plugs is the same.

H. WEIGHT AND BALANCE

- Not Changed.

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I. ELECTRICAL LOAD DATA

- Not Changed.

J. SOFTWARE ACCOMPLISHMENT SUMMARY

- Not Changed

K. REFERENCES

- Abbreviated Component Maintenance Manual 74-21-45, dated Oct. 12/06

L. OTHER PUBLICATIONS AFFECTED

- Abbreviated Component Maintenance Manual 74-21-45, dated Oct. 12/06

M. INTERCHANGEABILITY AND INTERMIXABILITY

- Interchangeability - Refer to Para. 2. (C), Table Footnote.
- Intermixability - Allowed.



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2. MATERIAL INFORMATION

A. Industry Support Information.

- Not Applicable.

B. Material - Price and Availability.

- (1) Procurable parts listed in Para. 2. (C) can be obtained from any Champion Aerospace distributor.
- (2) The estimated total cost of new parts needed to replace old parts is \$Quote (US, 2012).

C. Material Necessary for Each Engine.

The quantity of materials listed in this section is on a per engine basis.

New P/N	Keyword	Old P/N	Qty.	Disposition Instructions
	NKG Igniter	JS-100A (1)	2	(A) (B)
CH31964	Champion Igniter		2	(A) (B)
(A) INTERCHANGEABILITY - Two-way interchangeable, mixability allowed.				
(B) Standard replacement part.				

D. Reidentified Parts.

- None.

E. Tooling - Price and Availability.

- Not Applicable.

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