



ENGINE - OIL - INTRODUCE A NEW NO.4 BEARING SCAVENGE VALVE WITH AN IMPROVED VALVE SEAL
- CATEGORY CODE 5 - MOD.ENG-79-0044

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) Airbus A320
- (2) Engine: (a) V2500-A1 Engines prior to Serial No. V0362.

B. Concurrent Requirements

None.

C. Reason

(1) Condition

Several incidents of valve malfunction have occurred in service.

(2) Background

The compression set evident on the valve piston seals resulted in air leakage across the seals, which would impede correct movement of the valve piston.

(3) Objective

To provide benefits of an improved design by introducing a valve used on other models that incorporates the desired design features.

(4) Substantiation

Engine test has been successfully completed.

(5) Effect of Bulletin on Workshop Procedures;

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Inspection/Check	Not affected
Cleaning	Not affected
Repair	Not affected
Testing	Not affected

(6) Supplemental Information

None.

V2500-ENG-79-0044

**D. Description**

- (1) The unit for V2500-A5/D5 that have incorporated Vendor SB No. 1779-79-001 is introduced into the V2500-A1 engine to provide a valve that incorporates improved design into the V2500-A1.

NOTE: The seal material of unit for V2500-A5/D5 was changed from viton to teflon to improve the durability under high temperature by changing the seal arrangement therefore, the configuration is different between unit for V2500-A5/D5 and the current unit for V2500-A1. This means the current unit for V2500-A1 can not be reworked.

- (2) The Removal and Installation procedures of the No.4 scavenge valve is given in the Engine Manual, Chapter/Section 72-00-60 Removal-08 and Installation-08.

E. Approval

The part number changes described in this Bulletin have been shown to comply with the applicable Federal Aviation Regulation and are FAA-APPROVED for Engine Model listed.

F. Compliance

Category Code 5

Accomplish when the engine is disassembled sufficiently to afford access to the affected subassembly (i.e. Modules, Accessories, Components, Build Groups) and to all affected spare subassemblies.

G. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In Service	Not applicable
(2) At Overhaul	Not affected

H. Weight and Balance

(1) Weight change	None
(2) Moment arm	No effect
(3) Datum	Engine front mount centerline (Power Plant Station - PPS 100)

V2500-ENG-79-0044



I. Electrical Load Data

Not affected.

J. Reference

(1) Internal Reference No.

EC93VJ153A

(2) Other References

V2500 Engine Illustrated Parts Catalog.

A320 Engine Manual.

K. Other Publication Affected:

(1) V2500 Engine Illustrated Parts Catalog, 79-23-51.



2. Accomplishment Instruction

A. Rework Instructions

None.

B. Assembly Instructions

Install the 1779MK2, No.4 Bearing Compartment Scavenge Valve to the engine in accordance with Reference (2) Chapter/Section 72-00-60, Installation-08.

C. Record Instructions

A record of accomplishment is necessary.

V2500-ENG-79-0044



SERVICE BULLETIN

3. Material Information

Applicability: For all V2500-A1 engines to incorporate this Service Bulletin.

A. Parts affected by this Bulletin:

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions/ Disposition
1779MK2 (5L0062) (79-23-51)	1	8369.00	.Valve, Scavenge No.4 Bearing	1648MK2 (5L0022) (01-100)	(A)(B)(1D)

B. Instruction/Disposition Code Statements:

- (A) New part is currently available for sale.
- (B) Old part will continue to be available for sale.
- (1D) Old part can not be reworked.

NOTE: The estimated 1995 unit prices shown is provided for planning purposes only and do not constitute a firm quotation. Contact the IAE's Spare Parts sales Department or consult the vendor for information concerning firm prices.

V2500-ENG-79-0044

