



STANDARD PRACTICES - ENGINE - INFORMATION - ENGINE - STARTING - TO ANNOUNCE THE  
AVAILABILITY OF A STARTER WITH AN OIL SIGHT GLASS FEATURE - CATEGORY CODE 8 -  
MOD.ENG-70-0391

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) McDonnell Douglas MD-90
- (2) Engine: (a) V2525-D5 Engines  
(b) V2528-D5 Engines

B. Reason

To give operators an oil sight glass feature in preference to an oil pressure fill facility.

C. Compliance

Category Code 8

Accomplish based upon experience with prior configuration.

- D. The part number transactions shown under the Material Information portion of this Bulletin has been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model listed.

E. Reference

- (1) Internal Reference No.  
EC93VR070B
- (2) Other References  
(2) Sumitomo Precision Products Service Bulletin No.80-2511

F. Accomplishment Instructions

The Pneumatic Starter (PN 790425A3) can be modified to a new Pneumatic Starter (PN 790425A4). For details refer to the Vendor Service Bulletin No.80-2511.

G. General Information

- (1) The Material Information portion of this Bulletin provides the latest information concerning the availability of the new Pneumatic Starter.
- (2) The new Pneumatic Starter with an oil sight glass feature.

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International Aero Engines  
INFORMATION BULLETIN

(3) Other Publications affected

(a) Refer to Vendor Service Bulletin

(b) Sumitomo Component Maintenance Manual (CMM) 80-13-41.

H. Material Information

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Supply Status
790425A4 (80-13-41)	1	33610-00	Starter	790425A3 (01-200)	(A)(B) (2)
738277-3 (80-13-41)	1	142-00	Plug, sight oil level	797845-1 (01-340)	(A)(B) (2)
- (80-13-41)	1		Ring, sealing	720752-14 (01-342)	(B)
- (80-13-41)	1		Plug, drain oil	MS9954-06 (01-344)	(B)

A. Instructions/Disposition Code Statements:

(A) New part is currently available.

(B) Old part will continue to be made available.

(1) Old and new parts are freely interchangeable, both physically and functionally.

(2) New parts may be installed in place of old parts but not vice versa.

NOTE: Consult vendor for price information.

Printed in Great Britain

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# **SERVICE BULLETIN**

## **STARTING – PNEUMATIC STARTER – INCORPORATE THE SIGHT PLUG**

### **1. Planning Information**

#### **A. Effectivity**

Pneumatic Starter part number 790425A3.

Pneumatic Starters Not  
Incorporating Modification Number

Serial Number of First  
Production Incorporation

790425A4 L11

A10001

**NOTE:** The Pneumatic Starters are installed in Airbus A320 and A321 aircraft that use IAE/V2500 engines and McDonnell Douglas MD-90 aircraft that use IAE/V2500.

#### **B. Reason**

To make it easier to check the oil level during starter maintenance, customers want the starter changed so that the oil level can be checked visually.

#### **C. Description**

To change from 790425A3 to 790425A4, add one plug and remove two plugs and one packing.

#### **D. Compliance**

This Service Bulletin is optional. The operator can make a decision to use or not to use this change.

#### **E. Approval**

This Service Bulletin 80-2511 (IAE SB V2500-ENG-80-0009) was technically approved by IAE on May 24/96. The part number changes shown in paragraph 2 of this Service Bulletin have been sanctioned under a product development/control system that has been shown to comply with the Applicable Federal Aviation regulations and are FAA-approved for the engine model listed.

Date Jun 1/96

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## **F. Manpower**

No additional man-hours are necessary to do these Service Bulletin procedures when you do component maintenance (or overhaul). The estimate does not include any time for a test.

## **G. Material – Cost and Availability**

The parts that are necessary to do these Service Bulletin procedures are in Section 3, Material Information. Section 3 tells you all you must know to buy these parts. Send orders for new or spare parts to

Hamilton Standard Product Services, Incorporated  
United Technologies Corporation  
Attention: Sales Order Administration  
PO Box 11804  
Rock Hill, SC 29731

## **H. Tooling**

None

## **I. Weight and Balance**

None

## **J. Electrical Load Data**

Not Affected

## **K. References**

Component Maintenance Manual (CMM) 80-13-41

## **L. Other Publications Affected**

CMM 80-13-41

## **2. Accomplishment Instructions**

**A.** To change Pneumatic Starter part number 790425A3 to part number 790425A4, do these steps (refer to Figure 1):

- (1) Remove and discard adapter, part number 797845-1, and plug, part number MS9954-06.



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- (2) Install new packing, part number 720752-33, onto sight plug, part number 738277-3.
- (3) Install sight plug into transmission housing pressure fill port. Refer to Figure 1.
- (4) Torque the sight plug to 45 to 60 pound-inches (5.09 to 6.78 Nm).
- (5) Remove and discard the oil fill instruction plate, part number 792997-1 .
- (6) Install a new oil fill instruction plate, part number 732229-1, as given in the ASSEMBLY procedures of the CMM.

## **B. Reidentification**

When this service bulletin is done, the unit is marked with the Sumitomo Products Co., LTD. (SPP) part number. Identify changed units by marking 790425A4 on the identification plate.

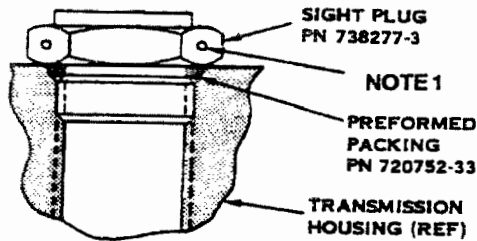
## **3. Material Information**

- A. This Service Bulletin change will use the parts in the list for each Pneumatic Starter that is changed.
- B. Any parts that usually are discarded when you disassemble the Pneumatic Starter are not in the list.
- C. In the list of parts for this change, MSQ is the "Minimum Sales Quantity". The parts that have an entry in this area of the list are supplied only in this quantity, or a multiplication of this quantity.
- D. In the list of parts for this change, the "key word" is a one-word name for the part.
- E. In the list of parts for this change, the "instruction codes" tell you what to do with the parts. A short list under the list of parts tells you about the instruction codes that are used in the list.

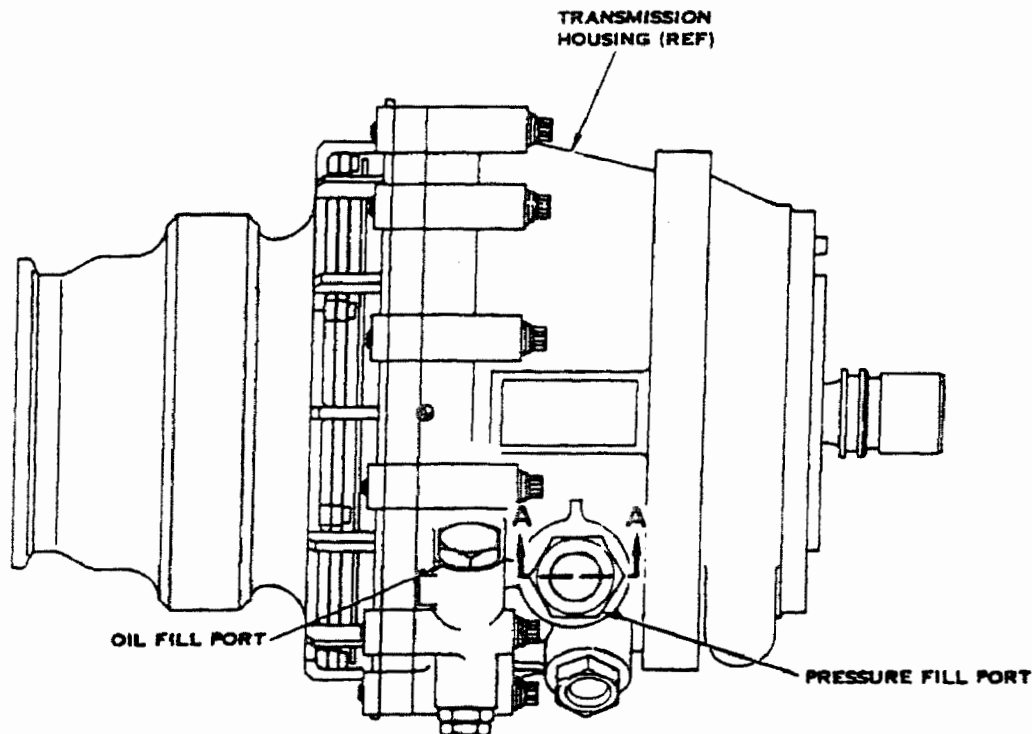


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# **SERVICE BULLETIN**



**SECTION A-A ENLARGED  
(SIGHT PLUG INSTALLED)**



**NOTES:**

- 1 LOCKWIRE SIGHT PLUG PN 738277-3  
TO TRANSMISSION HOUSING PER AS567

**Figure 1. Sight Plug Installation**



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- F. The prices that are shown are estimates for one part. When you buy the parts, the prices may be different. If more data is necessary, ask your account representative.

Mail: Hamilton Standard Production Services, Incorporated  
United Technologies Corporation  
Attention: Sales Order Administration  
PO Box 11804  
Rock Hill, SC 29731

Telephone: (203) 654-6863  
FAX (General Communication): (203) 654-6905  
Main Switchboard (203) 654-6000  
SITA Communications HFDHT7X  
SITA SPEC 2000 Address RKHHS7X

New PN	Qty	MSQ	Estimated Price	Key Word	PN Before this SB	Instruc- tion Code
732229-1	1	1	4.60	Instruction Plate	792997-1	A, B
738277-3	1	1	77.00	Sight Plug	797845-1	A, B
720752-33	1	1	10.20	Preformed Packing	720752-33	C
_____	1	—	—	Preformed Packing	720752-14	B
_____	1	—	—	Plug	MS9954-06	B

- Instruction Code A. The Service Bulletin change adds the "New PN" to the Pneumatic Starter.
- Instruction Code B. The Service Bulletin change removes the "PN before the SB" from the Pneumatic Starter. Discard the part or use it in other equipment.
- Instruction Code C. The "PN before the SB" has the same fit and function as the "New PN".

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