



NACELLE - STARTING - AIR SUPPLY DUCT- ALIGNMENT MARK - ALTERATION OF - CATEGORY CODE 4  
- MOD.NAC-80-0006

## 1. Planning Information

### A. Effectivity

- (1) Airplane: Airbus A320
- (2) Nacelle: V2500-A1Nacelles

#### (a) Engine Buildup Units

The intent of this Service Bulletin was incorporated at the manufacturer on Engine Buildup Units (EBU) Serial No. 117 and on.

The following EBU Serial Numbers were not changed at the manufacturer. They can be modified by incorporating this Service Bulletin.

EBU  
Serial Number

3 thru 116

### B. Reason

#### (1) Condition

A new pneumatic starter valve has been introduced which has a repositioned electrical connector. To ensure clearance with the Fan cowl door the starter valve has to be rotated slightly, thus offsetting the alignment mark with the upper starter duct.

#### (2) Background

Not applicable.

#### (3) Objective

To align the marks on the upper starter duct and the pneumatic starter valve.

### B. Reason

#### (1) Condition

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The alignment marks on the upper starter duct and the starter are not in line with each other when the duct is properly installed.

(2) Background

A new pneumatic starter valve was introduced which has a repositioned electrical connector. To ensure clearance with the fan cowl door the starter valve has to be rotated slightly, thus offsetting the alignment mark with the upper starter duct.

(3) Objective

To align the mark on the upper starter duct and the pneumatic starter valve.

(4) Substantiation

Not applicable.

(5) Impact of Bulletin on Workshop Procedures:

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

(6) Supplemental Information

None.

C. Description

(1) The change introduced by this Bulletin is as follows:

A new alignment mark is painted on the upper starter duct to line up with the flow direction arrow/alignment mark on the pneumatic starter valve. The old alignment mark on the upper starter duct is then removed.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

VENUE	ESTIMATED MANHOURS
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(1) In Service

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(a)	To gain access	0.2 M/Hrs
(b)	To embody	0.5 M/Hrs
(c)	To return Nacelle to service	0.2 M/Hrs

Total 0.9 M/Hrs

### G. Material Cost and Availability

None Required

#### H. Tooling Cost and Availability

None

## I. Weight and Balance

- ```
(1) Weight change ..... None
(2) Moment arm ..... No effect
(3) Datum ..... Engine Front Mount Centerline
    ..... (Powerplant Station PPS 100.00)
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## J. Electrical Load Data

Not Affected

## K. References

- (1) Internal Reference No.  
89VN076
- (2) Other References  
A320 Maintenance Manual 71-13-00

### L. Other Publications Affected

A320 Power Plant Illustrated Parts Catalog 80-13-49



## 2. Accomplishment Instructions

### A. Pre-requisite Instructions

- (1) Open the right hand fan cowl door as specified in the A320 Aircraft Maintenance Manual, Task 71-13-00-010-010.
- (2) Find the paint stripe/alignment mark on the 740-5121-507 upper duct assembly at the HS790424 pneumatic starter valve. (Refer to figure 1.)

### B. Rework or Modification Instructions

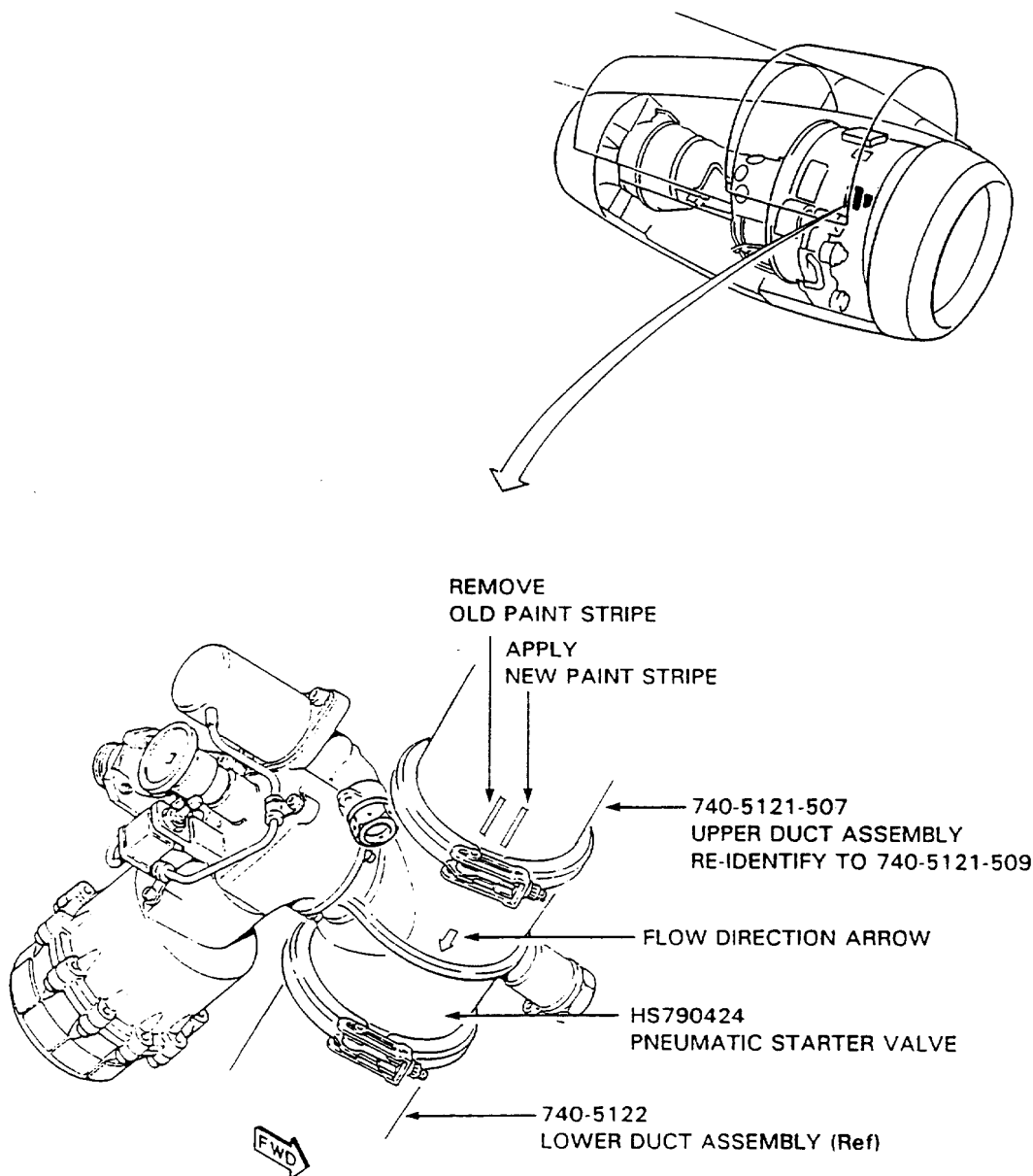
- (1) Make a paint stripe on the 740-5121-507 upper starter air supply duct at 100.2 deg from the lower mounting lug of the duct (approximately 0.6 inch (15.2 mm) from the old paint stripe ). (Refer to Figure 2.) Make sure the new stripe lines up with the stripe on the stater valve. (Refer to Figure 1.)

- (2) Apply the new paint stripe as follows:

**WARNING:** METHYL ETHYL KETONE (MIBK) IS FLAMMABLE AND VAPOR IS HARMFUL. USE IN A WELL-VENTILATED AREA. AVOID PROLONGED BREATHING OF VAPOR OR PROLONGED OR REPEATED CONTACT WITH SKIN. MAY CAUSE IRRITATION OF EYES, NOSE, THROAT, AND SKIN. HIGH CONCENTRATIONS MAY CAUSE WEAKNESS, HEADACHE, NAUSEA, DIZZINESS, AND IMPAIRED JUDGEMENT. PROTECTIVE GLOVES SHOULD BE WORN DURING USE. MAY CAUSE DERMATITIS BY REMOVING SKIN OILS. PRIOR TO USE OF THIS PRODUCT, CAREFULLY READ THE APPLICABLE "MATERIAL SAFETY DATA SHEET" AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

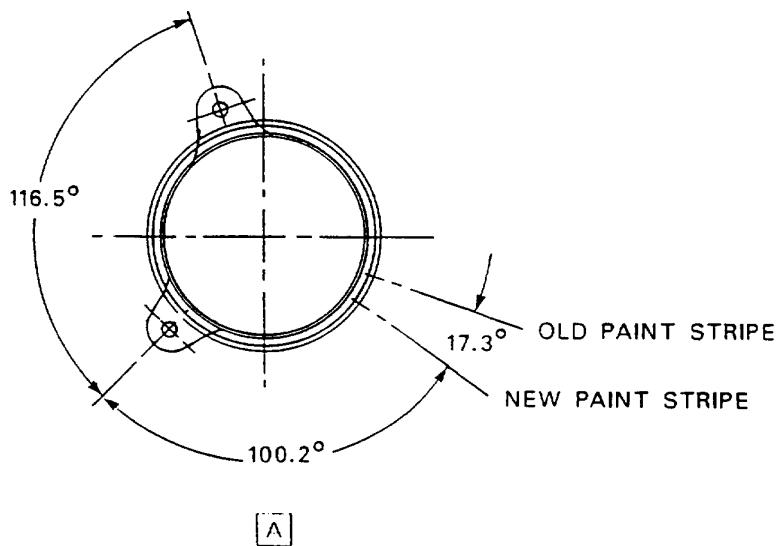
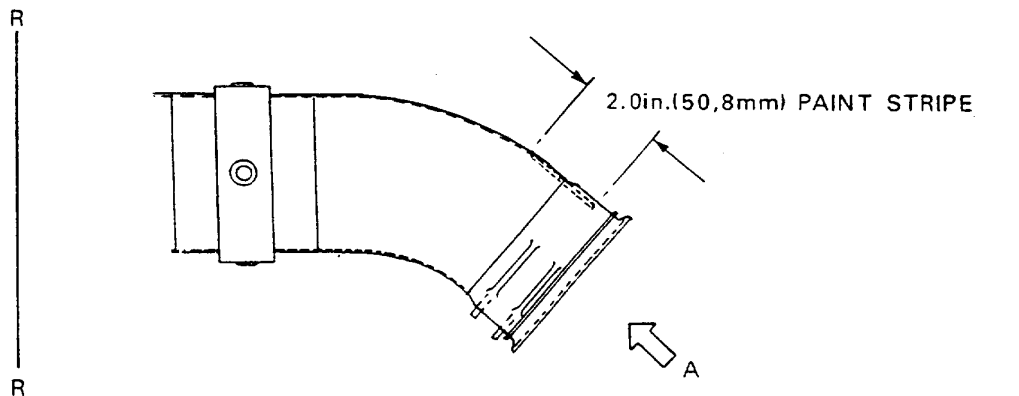
- (a) Clean the area for the new paint stripe with a cloth dampened with MIBK.
- (b) Mask-off an area 0.2 inch (5 mm) wide by 2.0 inch (50 mm) long for the paint stripe, with masking tape.
- (c) Apply PL111 yellow heat-resisting paint by brush and air dry at 16 degC (61 degF) minimum for 1 hour minimum.
- (d) Remove the masking.

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TO REPOSITION ALIGNMENT MARK ON UPPER DUCT (Starter system)  
Fig.1

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VIEW ON THE BOTTOM OF THE UPPER DUCT ASSEMBLY  
Fig.2

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- (3) Remove the old paint stripe carefully with 300/400 grit abrasive paper. Remove the dust with a cloth dampened with MIBK.

- (4) Reidentify 740-5121-507 upper duct assembly as 740-5121-509.

**C. Post-requisite Instructions**

- (1) Close the right fan cowl door as specified in the A320 Aircraft Maintenance Manual, Task 71-13-00-410-010.

**D. Recording Instructions**

- (1) A record of accomplishment is necessary.



## SERVICE BULLETIN

3. Material Information

| NEW PN<br>(ATA NO.) | QTY | EST'D UNIT<br>PRICE (\$) | KEYWORD | OLD PN<br>(IPC NO.) | INSTR/<br>DISPOS |
|---------------------|-----|--------------------------|---------|---------------------|------------------|
|---------------------|-----|--------------------------|---------|---------------------|------------------|

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Applicability: For each V2500 Nacelle to incorporate this Bulletin.

A. Kits Associated with this Service Bulletin:

No Kit required.

B. Parts Affected by this Service Bulletin:

|                            |   |                        |                          |            |
|----------------------------|---|------------------------|--------------------------|------------|
| 740-5121-509<br>(80-13-49) | 1 | Upper Duct<br>Assembly | 740-5121-507<br>(01-010) | (A)(B)(1D) |
|----------------------------|---|------------------------|--------------------------|------------|

C. Instruction/Disposition Code Statements:

(A) New part is currently available.

(B) Old and new parts are interchangeable both physically and functionally.

(1D) Old part to be reworked and reidentified as new part number.

D. These materials are to be procured by the Operator or obtained from his stock.

| Part Number                      | Keyword                              | Qty | Source                                                                                                | Vendor<br>Code |
|----------------------------------|--------------------------------------|-----|-------------------------------------------------------------------------------------------------------|----------------|
| Methyl Isobutyl<br>Ketone (MIBK) | Solvent                              | AN  | Commercially Available                                                                                | ---            |
|                                  | Masking Tape                         | AN  | Commercially Available                                                                                | ---            |
|                                  | 300/400<br>Grit<br>Abrasive<br>Paper | AN  | Commercially Available                                                                                | ---            |
| PL111                            | Yellow<br>Heat-resisting<br>Paint    | AN  | Indestructible Paint Co.<br>43a The Avenue<br>Acocks Green<br>Birmingham B27 6NG<br>Tel: 021-707 0909 | 1978 Ltd       |

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