

RESTRICTED

SECTION 3

AVON ENGINE CHANGE UNIT

MARK 20401

AS INSTALLED IN VALIANT B. MARK 1 AND B. MARK 2 AIRCRAFT

SECTION 3

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|            |            |                                      |   |   |   |       |
|------------|------------|--------------------------------------|---|---|---|-------|
|            |            | AVON 20401, ENGINE CHANGE UNIT       | 1 | - |   |       |
|            |            | Complete as follows:-                |   |   |   |       |
|            |            | AVON 204 ENGINE                      | 1 |   |   |       |
|            |            | (As shown in Section 1)              |   |   |   |       |
| 26AT/12339 | VGS.1309   | Ball end, engine control lever       | 1 | - | C | 81/4  |
|            | -15        |                                      |   |   |   |       |
| 28D/12512  | A.25.Y.1C) | Bolt, 2 B A x .500" long, starter    | 4 | - | C | 81/12 |
|            | or )       | cable heat shield and                |   |   |   |       |
| 28D/7034   | A.15.Y.1C) | clips                                |   |   |   |       |
| 28D/12537  | A.25.14C*  | Bolt, 2 B A x 1.800" long, bulkhead  | 4 | - | C |       |
|            |            | seal channel (Pre-Mod.1280)          |   |   |   |       |
| 28D/12534  | A.25-9C    | Bolt, 2 B A x 1.300" long, bulkhead  | 4 | - |   | 81/21 |
|            |            | seal channel (Mod.1280)              |   |   |   |       |
| 28D/12533  | A.25-5C    | Bolt, 2 B A x .900" long, external   | 2 | - | C | 81/6  |
|            |            | wheelcase breather                   |   |   |   |       |
| -          | 67437/371  | Bracket, drain pipe (Mod.617)        | 1 |   |   |       |
| -          | 67437/395  | Bracket, connection, electrical lead | 1 |   |   |       |
|            |            | to L P fuel filter switch            |   |   |   |       |
|            |            | and 15th stage vent                  |   |   |   |       |
| 26SR/11174 | 67437)     | CABLES, FUEL FILTER WARNING AND      | 1 | - | A |       |
|            | Sheet)     | ENGINE FAIL DETECTOR                 |   |   |   |       |
|            | 9 )        | SWITCH - ASSEMBLY                    |   |   |   |       |
| 26SR/11476 | 70637/17   | Cable, starter, positive feed        | 1 | - | C | 82/3  |
| 26SR/11477 | 70637/15   | Cable, starter, negative feed        | 1 | - | C | 82/2  |
|            | 9411       | Cap, breeze plug                     | 1 | - | C |       |
| 26SR/6259  | 67437 )    | Channel, bulkhead seal               | 2 | - | B | 81/19 |
|            | Sheet 53)  |                                      |   |   |   |       |
| 26SR/5959  | 67437/163* | Clip, cable to heat shield           | 2 | - | C |       |
|            |            | (Pre-Mod.517)                        |   |   |   |       |
| 26SR/9440  | 67437/347  | Clip, cable to heat shield (Mod.517) | 2 | - | C | 81/7  |
| 26SR/5960  | 67437/165* | Clip, cable to compressor casing     | 2 | - | C |       |
|            |            | (Pre-Mod.517)                        |   |   |   |       |
| 26SR/9441  | 67437/349  | Clip, cable to compressor casing     | 2 | - | C | 81/7  |
|            |            | (Mod.517) (2 extra required          |   |   |   |       |
|            |            | when Mod.647 is incorporated)        |   |   |   |       |
|            |            | (4 extra required when               |   |   |   |       |
|            |            | Mod.982 is incorporated)             |   |   |   |       |
| 26SR/5961  | 67437/167* | Clip, cable to compressor casing     | 4 | - | C |       |
|            |            | (Pre-Mod.517)                        |   |   |   |       |
| 26SR/9442  | 67437/351* | Clip, cable to compressor casing     | 4 | - | C |       |
|            |            | (Mod.517) (2 less required           |   |   |   |       |
|            |            | when Mod.647 is incorporated)        |   |   |   |       |
|            |            | (NOT required when Mod.982           |   |   |   |       |
|            |            | is incorporated)                     |   |   |   |       |
| 26SR/5954  | 67437/145  | Clip, starter cables                 | 1 | - | C | 81/9  |

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| REF. No.   | PART No.          |   |   |   |   |   | DESCRIPTION  | No. OFF          | MATL. SPEC.      | M.R. C.L. of ST. | PL. & ILL. No. |
|------------|-------------------|---|---|---|---|---|--|------------------|------------------|------------------|----------------|
|            |                   | 1 | 2 | 3 | 4 | 5 |  |                  |                  |                  |                |
| 26SR/5963  | 67437/149<br>/151 |   |   |   |   |   | Clip, external wheelcase breather duct   | 1                | -                | C                | 81/22          |
| 26SR/5962  | 67437/153<br>/155 |   |   |   |   |   | Clip, external wheelcase breather duct   | 1                | -                | C                | 81/14          |
| 36VV/7944  | BA70220*          |   |   |   |   |   | Cover, L.P. fuel pressure system coupling flange (Pre-Mod 1510) (transportation only)  | 1                | PLASTC           | C                | -              |
| 36VV/15297 | BR3127            |   |   |   |   |   | Cover, L.P. fuel pressure system coupling flange (Mod 1510) (Transportation only)  | 1                | WELVCK           | C                | 81/15          |
| 36VV/8509  | BA69312           |   |   |   |   |   | Cover, cooling air outlet duct (transportation only)   | 1                | PLASTC           | C                | 81/15          |
| 26SR/1062  | 67437/29          |   |   |   |   |   | Duct, external wheelcase breather  | 1                | -                | C                | 82/1           |
| 26SR/15760 | 67437/456         |   |   |   |   |   | Duct, rear bearing cooling air outlet, L.H. (Mod 2706)   | 1                | -                | C                | 83/2           |
| 26SR/15761 | 67437/455         |   |   |   |   |   | Duct, rear bearing cooling air outlet R.H. (Mod 2706)  | 1                | -                | C                | 83/2           |
| 26SR/15762 | 67436/1025        |   |   |   |   |   | Gasket, heat detector, switch sealing (Mod 2706)   | 2                | -                | C                | 83/5           |
| 6A/3344    | -                 |   |   |   |   |   | GENERATOR, TACHOMETER, with breeze connection (Smith's type 106RV/SB Mod 1)  | 1                | -                | A                | 83/1           |
| 28M/13591  | A24CP             |   |   |   |   |   | Nut, lock, 2 B.A.<br>Starter cable heat shield and clips<br>Starter cables retaining strap<br>External wheelcase breather duct clips | -<br>4<br>1<br>2 | -<br>-<br>-<br>- | C<br>-<br>-<br>- | 81/11          |
| 28M/13266  | A24-ES            |   |   |   |   |   | Nut, slotted, engine control lever ball end  | 1                | -                | C                | 81/2           |
| 28M/5857   | AGS 2001C2        |   |   |   |   |   | Nut, 'Stiffnut' bulkhead seal channel  | 4                | -                | C                | 81/18          |
| 26SR/5956  | VGS896C           |   |   |   |   |   | Nut, wing, starter cables strap  | 1                | -                | C                | -              |
| 28M/5031   | AGS784<br>or      |   |   |   |   |   | Pin, split, engine control lever ball end nut  | 1                | -                | C                | 81/1           |
| 28P/12431  | SP 9 C6           |   |   |   |   |   |  |                  |                  |                  |                |
| 26SR/1068  | 67437<br>Sheet 5  |   |   |   |   |   | PIPE, FUEL FILTER - ASSEMBLY   | 1                | -                | B                | 82/4           |
| 26SR/1067  | 67437<br>Sheet 33 |   |   |   |   |   | PIPE, FUEL RIGID, LOW PRESSURE - ASSEMBLY  | 1                | -                | B                | 83/3           |
| 36VV/7768  | BA58111           |   |   |   |   |   | Plate, engine change unit identification   | 1                | -                | B                | 81/15          |

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| REF. No.   | PART No.        |   |   |   |   |   | DESCRIPTION   | No.<br>OFF | MATL.<br>SPEC. | M.R.<br>C.L. of<br>ST. | PL. &<br>ILL. No. |
|------------|-----------------|---|---|---|---|---|---|------------|----------------|------------------------|-------------------|
|            |                 | 1 | 2 | 3 | 4 | 5 |   |            |                |                        |                   |
| 26SR/5951  | 67437/129-      |   |   |   |   |   | Seal, rubber, bulkhead  | 1          | -              | C                      | 81/20             |
| 26SR/5958  | 67437/169       |   |   |   |   |   | Shield, heat, starter cables  | 1          | -              | C                      | 81/17             |
| 26SR/5957  | 67437/171       |   |   |   |   |   | Shield, heat, starter cables  | 1          | -              | C                      | 81/16             |
| 26SR/9615  | 67437/405       |   |   |   |   |   | Sleeve, starter cable   | 2          | -              | C                      | -                 |
| 26SR/5955  | 67437/147       |   |   |   |   |   | Strap, starter cables retaining   | 1          | -              | C                      | 81/8              |
| -          | 150D/01<br>/400 |   |   |   |   |   | Switch, 'GRAVINER', heat detector<br>(Mod 2706)   | 1          | -              | -                      | 83/4              |
| 36VV/7766  | BA57073*        |   |   |   |   |   | Viscap, size No.2, external<br>wheelcase breather duct<br>(transportation only)<br>(Pre-Mod 1872) | 1          | -              | C                      | -                 |
| 36VV/17929 | 1109008         |   |   |   |   |   | Viscap, size No.2, external<br>wheelcase breather duct<br>(transportation only)<br>(Mod 1872)     | 1          | -              | C                      | -                 |
| 28W/12253  | SP 13E          |   |   |   |   |   | Washer, plain, engine control<br>lever ball end nut   | 1          | -              | C                      | 81/3              |
| 28W/3098   | AGS 162C        |   |   |   |   |   | Washer, spring,<br>Starter cables heat shields<br>and clips nuts                                  | 4          | -              | C                      | 81/10             |
|            |                 |   |   |   |   |   | Starter cables retaining<br>strap   | 2          |                |                        |                   |
|            |                 |   |   |   |   |   | External wheelcase breather<br>duct clips nuts  | 2          |                |                        |                   |

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