International Aero Engines

SERVICE BULLETIN

ENGINE - LP COMPRESSOR - PROVIDE A NEW WEIGHT REDUCED FAN CASE ASSEMBLY - CATEGORY CODE 7 - MOD.ENG-72-0103



1. Planning Information

A. Effectivity

(1) Aircraft:

(a) Airbus A320

(2) Engine:

(a) V2500-A1 Engines prior to Serial Number V0204.

B. Concurrent Requirements

This Bulletin must be incorporated after or concurrently with the IAE Service Bulletin No. V2500-ENG-72-0105, (Engine - LP Compressor - Introduce a Segmented Rear Fairing Assembly).

C. Reason

(1) Condition

The existing Fan Case Assembly contributes heavier weight to the engine.

(2) Background

A review for the existing Fan Case Assembly has shown that the significant weight saving can be achieved by decreasing the thickness of casing.

(3) Objective

The changes introduced by this Service Bulletin are designed to reduce the engine weight.

(4) Substantiation

The changes introduced by this Service Bulletin have been subjected to a rig testing for the fan blades containability. The results obtained were satisfactory.

(5) Effects of Bulletin on workshop procedure:

| | |
|---|---|
| Removal/Installation | Not affected |
| Disassembly/Assembly | Affected (See Supplemental Information) |
| Cleaning | Affected (See Supplemental Information) |
| Inspection/Check | Affected (See Supplemental Information) |
| Repair | Affected (See Supplemental Information) |
| Testing | Not affected |

(6) Supplemental Information

(a) The Disassembly/Assembly will be revised to add new configuration of this Service Bulletin.

(b) Cleaning, Inspection/Check and Repair will be revised to add new configuration of this Service Bulletin.

D. Description

(1) This Service Bulletin introduces the new Fan Case Assembly which is featured the light weight and the increased annulus area with improved Fan Case Liner Panels, Rubber Seals, and Fan Exit Guide Vanes (FEGV's). The changes introduced on the Fan Case Assembly are as follows:

(a) The carcase thickness of the Fan Case Assembly has been reduced accompanying with improved linings and panels. And the transition panels are applied for this new configuration (See Figures 1 and 2).

(b) The lifting holes with bushings are provided at TDC of the Flange FD and the Flange FE on the Fan Case to improve the Fan Case maintainability (See Figure 1).

(c) Each of Fan Case Panel Liners has been divided into two pieces (i.e. Front and Rear) to improve the maintainability and also the material of liners has been changed to increase the impact strength against Foreign Objective Damage (FOD) (See Figure 4).

(d) New Rubber Seals have been introduced (See Figure 5).

(e) With changes described in 1.D. (1) (c) and (d), quantity and location of the fastening features of the Rubber Seals and the Fan Case Liner Panels to the Fan Case Assembly have been changed (See Figures 3, 6 and 7).

(f) The Part Number AS51015 which is the alternative part number to the existing Fan Case Panel Liners and Rubber Seals attaching screws Part Number NAS1102E4R15 has been deleted.

(g) The profile of the Fan Exit Guide Vane inner and outer platforms has been changed from the parallelogram to the rectangle to enable the removal and installation of the FEGV's with the new configuration of Fan Case Assembly (See Figure 8).

(h) The new Air Cooled Oil Cooler (ACOC) inlet duct has been introduced for this new configuration (See Figure 9).

(2) The Module Assembly Number (Module Identification Number) marked on the LP Compressor/Intermediate Module has been changed.

(3) This Service Bulletin must be incorporated after or concurrently with the IAE Service Bulletin No. V2500-ENG-72-0105.



E. Approval

The Part Number transaction 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.

F. Compliance

Category Code 7.

Accomplish when supply of superseded parts has been depleted.

G. Manpower

Not applicable.

H. Material - Price and Availability

(1) Modification kit is not required. Parts are supplied as single line items.

(2) See "Material Information" section for prices availability of future spares.

I. Tooling - Price and Availability

Special tools are not required to accomplish this Service Bulletin.

J. Weight and Balance

(1) Weight change ---------- Minus 58.9 lbf (26,7 kgf)

(2) Moment arm ---------- No effect.

(3) Datum ---------- Engine front mount centerline (Powerplant Station (P.P.S.) 100)

K. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

L. References

(1) Internal References No.

EC88VJ343

EC88VJ343B

EC88VJ343B-02

EC88VJ343C

EC88VJ343D

(2) Other References

IAE V2500 Service Bulletin Number

V2500-ENG-72-0105, (Engine - LP Compressor - Introduce a Segmented Rear Fairing Assembly).

V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-32-00, 72-32-85, 72-32-87, 72-32-88, 72-32-89 and 79-21-42.

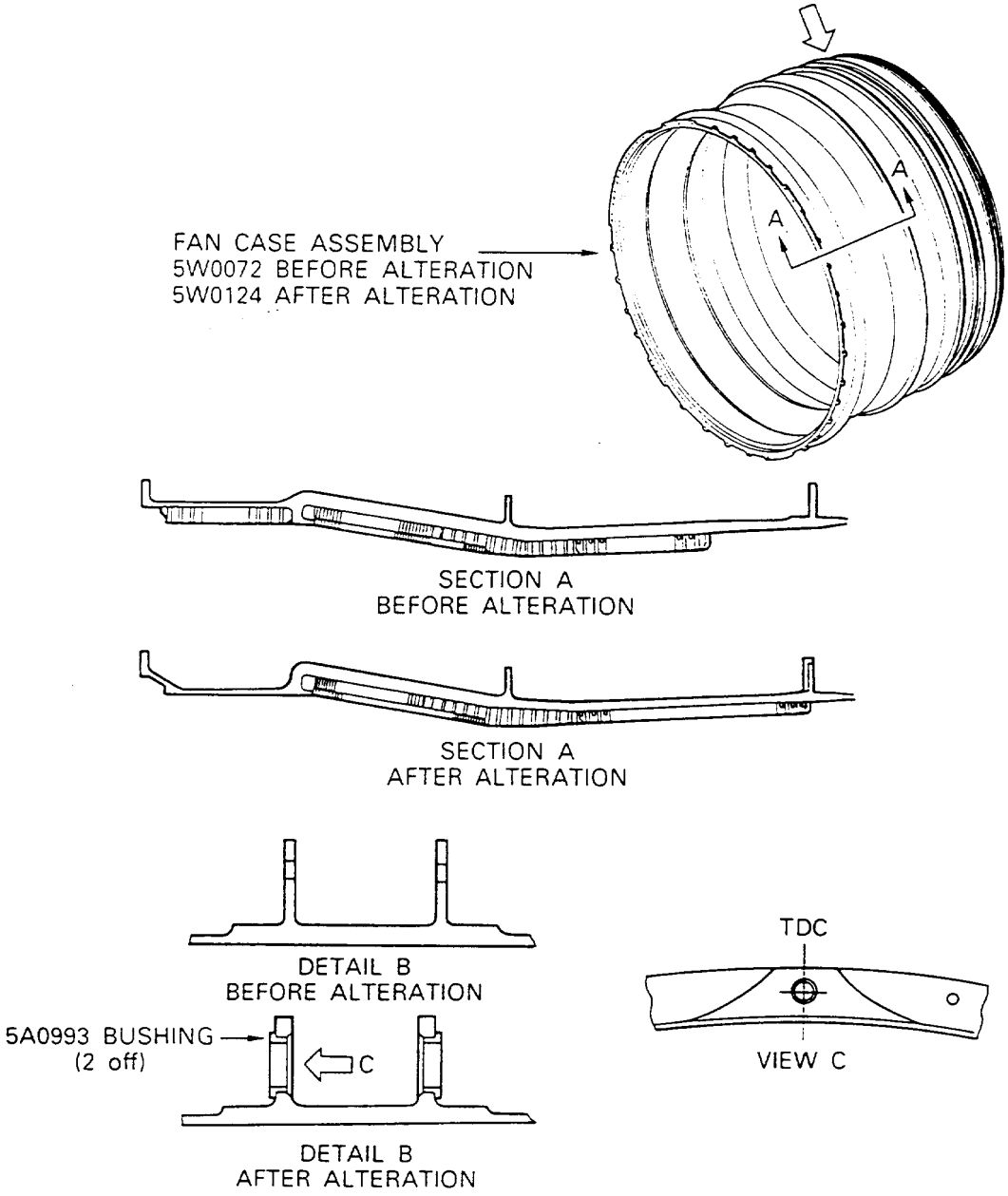
V2500 Engine Manual, 72-00-32 Installation and 72-32-00 Assembly.

V2500 Standard Practices/Processes Manual.

M. Other Publications Affected

(1) V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-32-00, 72-32-85, 72-32-87, 72-32-88, 72-32-89 and 79-21-42.

(2) V2500 Engine Manual, 72-32-00 Disassembly and Assembly, 72-32-85 Cleaning, Inspection/Check and Repair, 72-32-87 Cleaning and Inspection/Check, 72-32-88 Cleaning, Inspection/Check and Repair, 72-32-89 Cleaning, Inspection/Check and Repair.

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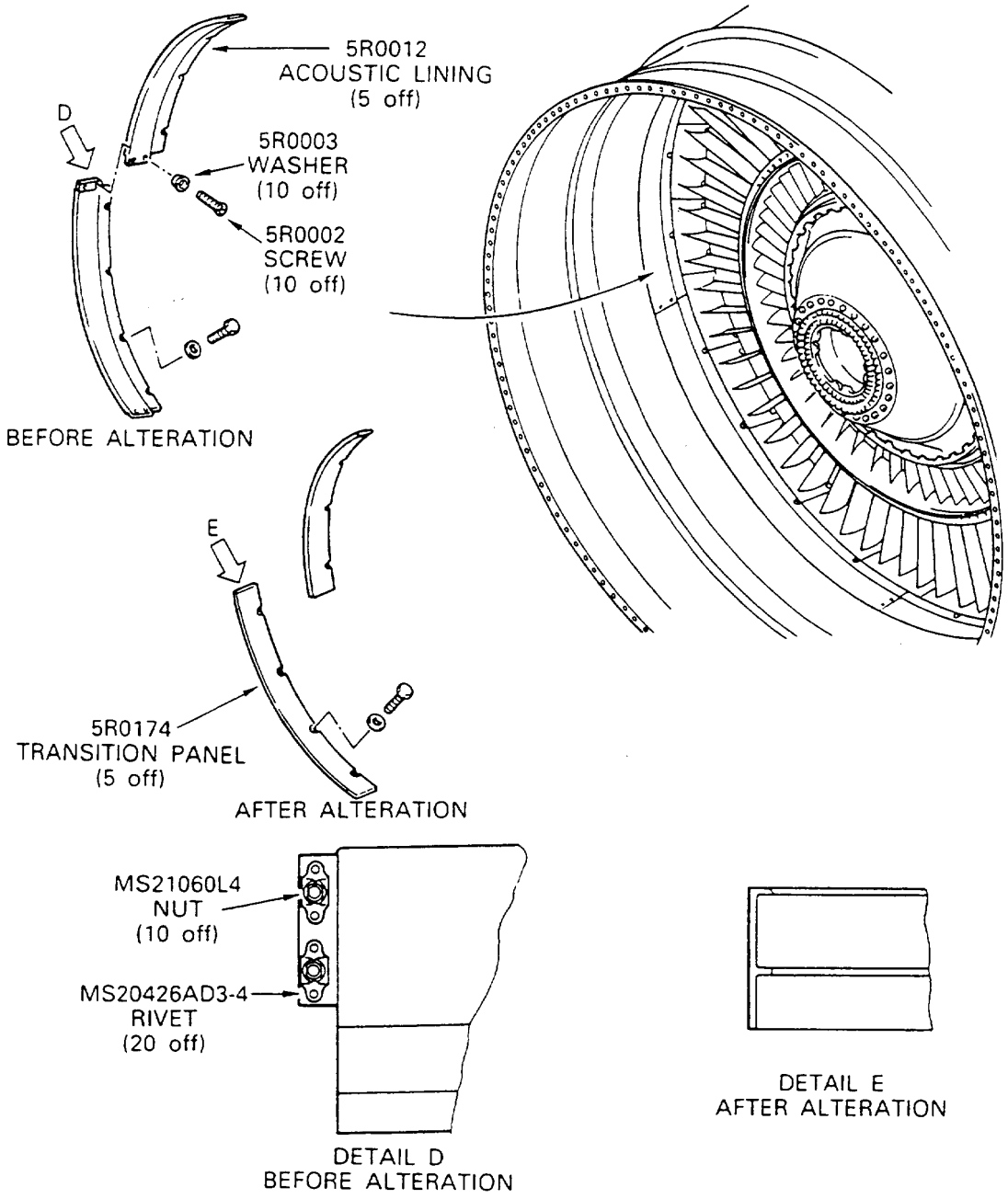
Fan Case Assembly - Before and After Alteration
Fig.1

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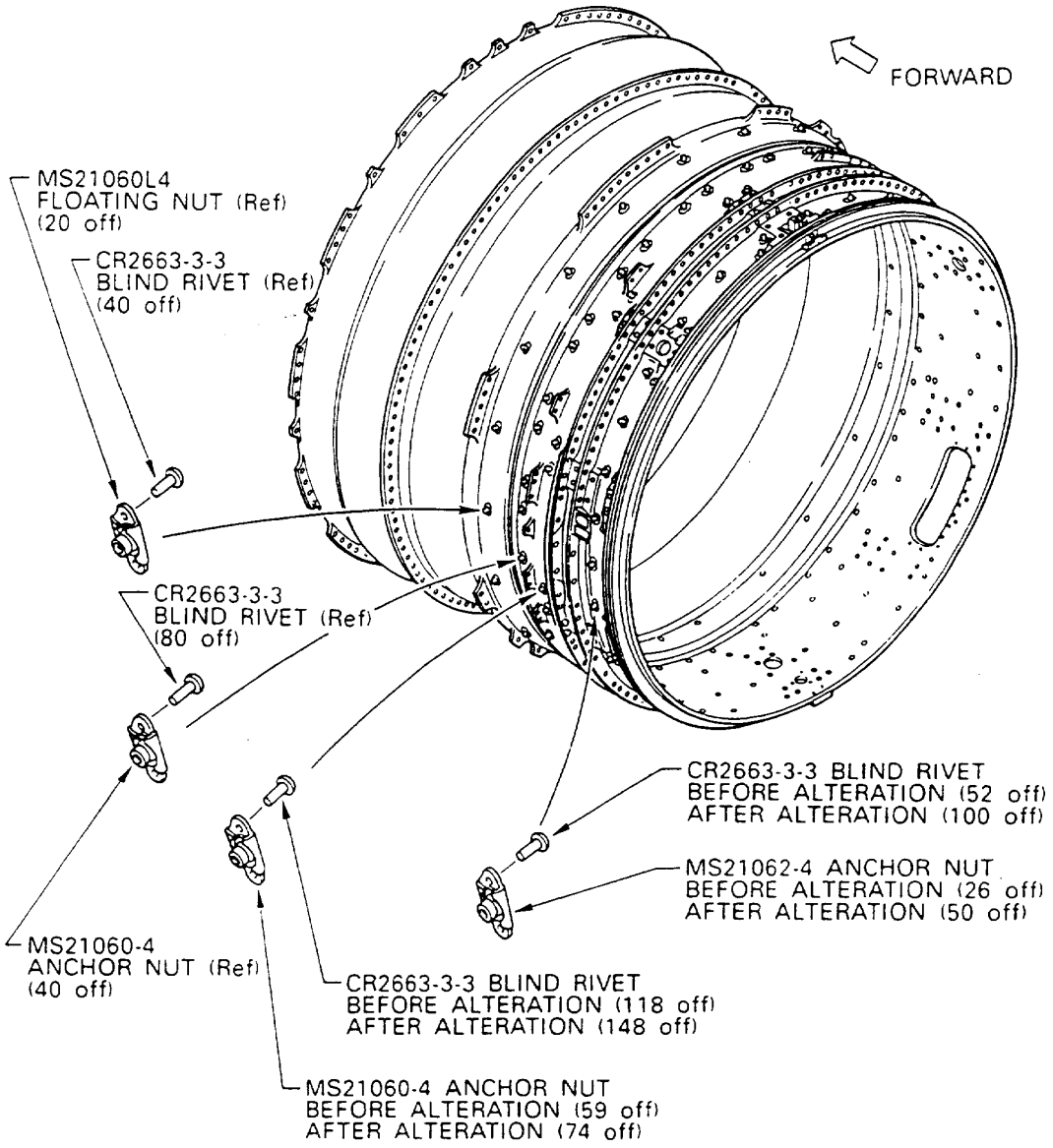
Acoustic Lining and Transition Panel
Fig.2

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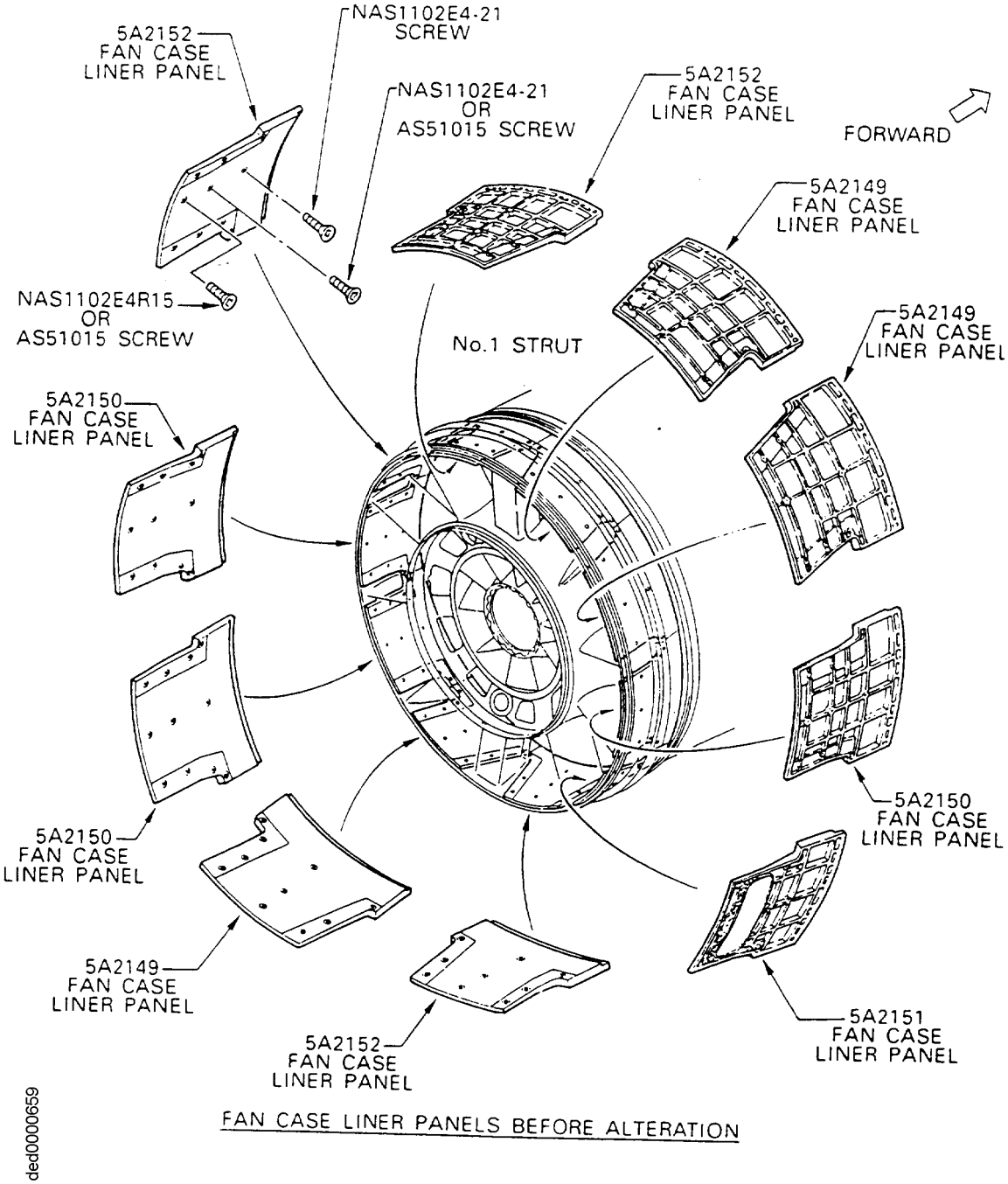
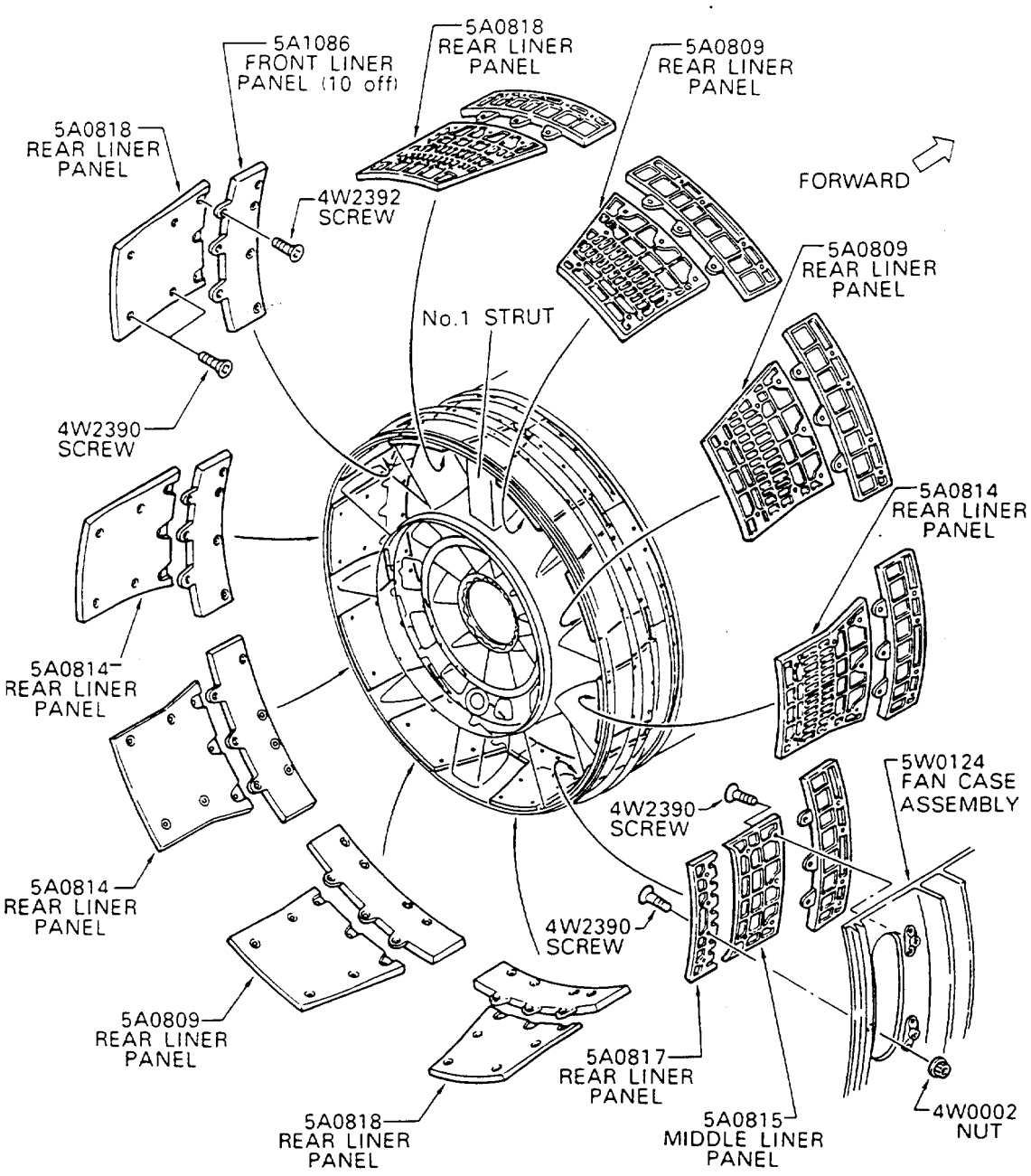
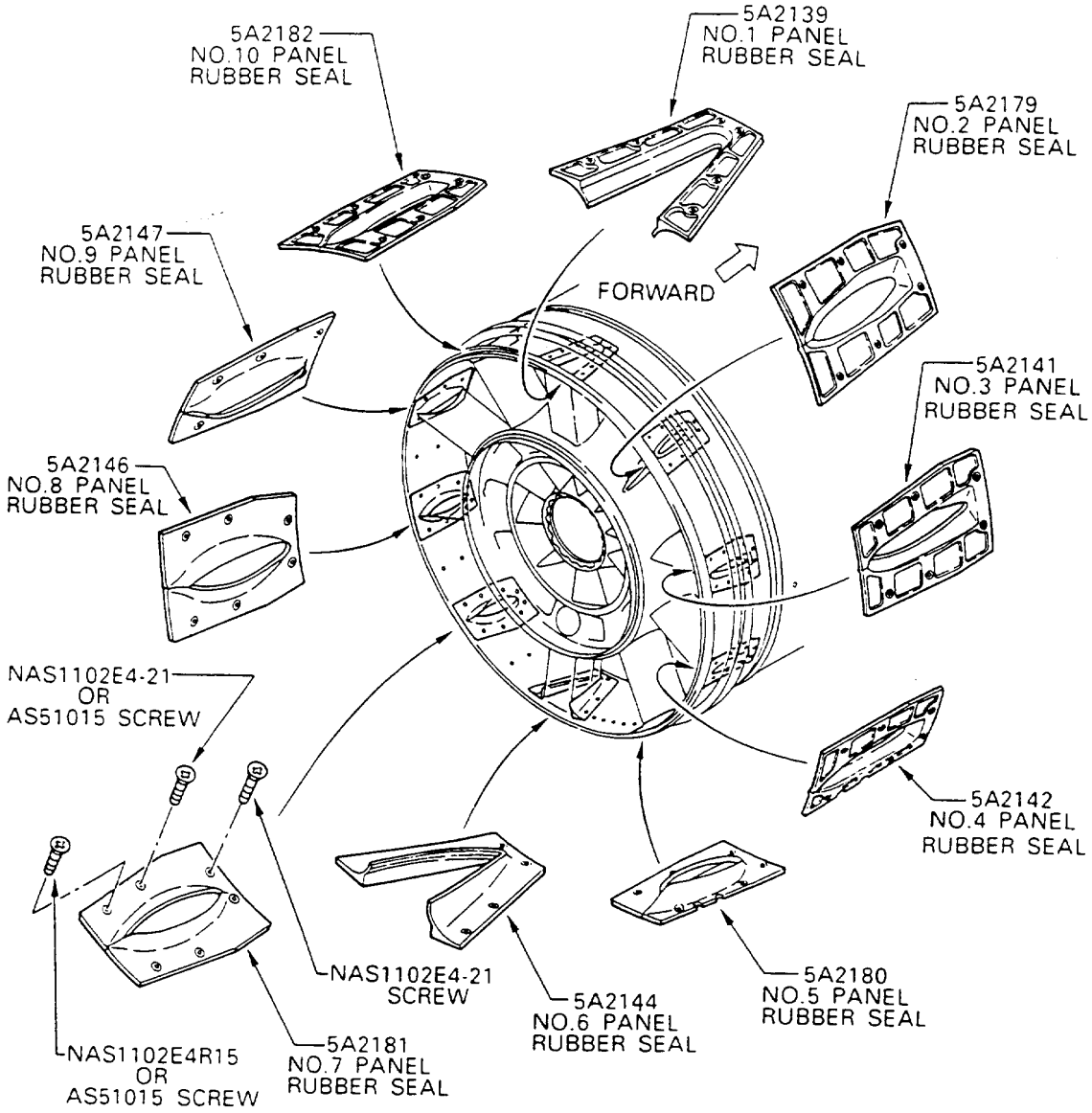
Fan Case Fitting Parts - Before and After Alteration
Fig.3




Fan Case Liner Panels - Before and After Alteration
Fig.4, Sheet 1 of 2




Fan Case Liner Panels - Before and After Alteration
Fig.4, Sheet 2 of 2




RUBBER SEALS BEFORE ALTERATION

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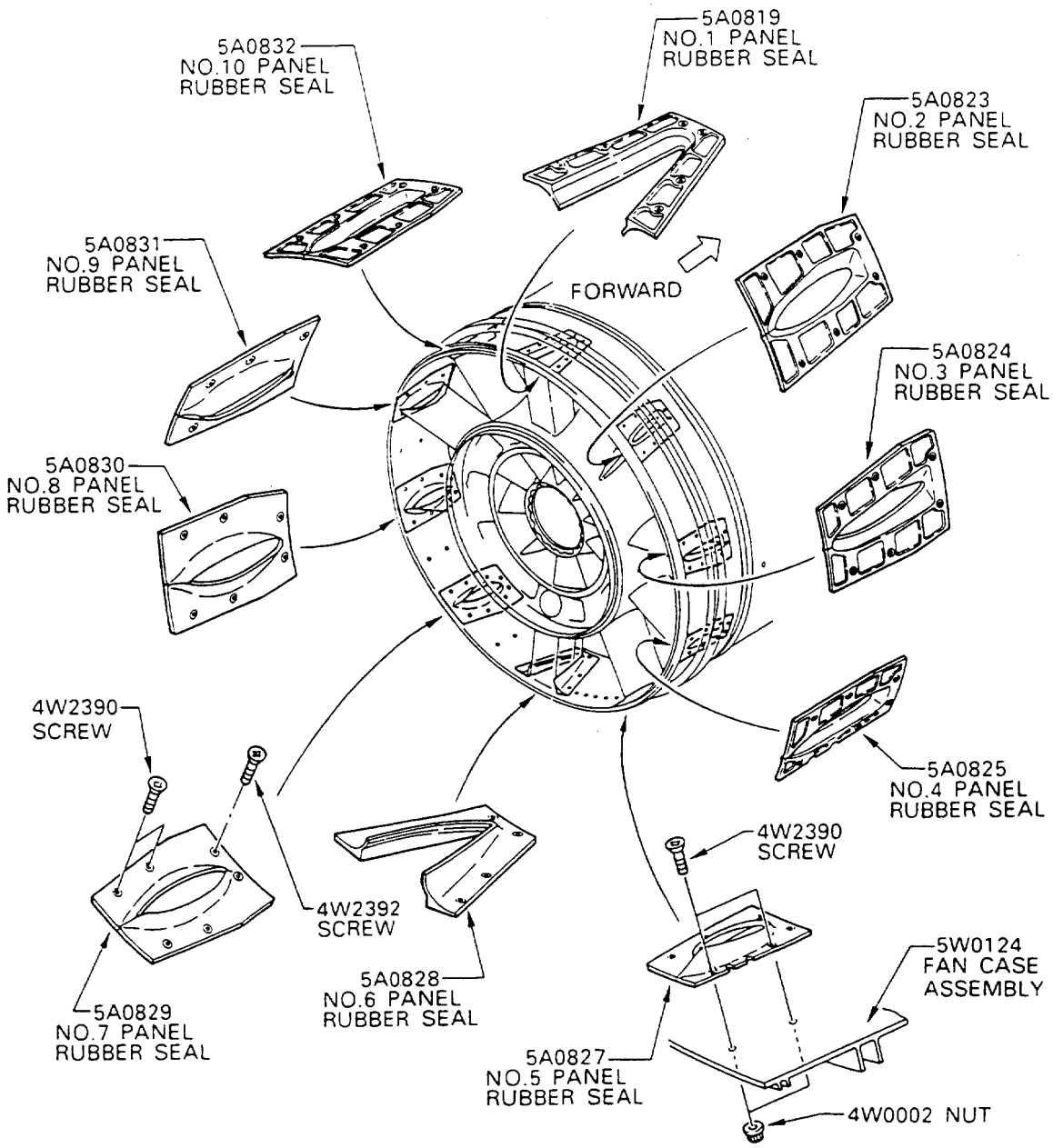
Rubber Seals - Before and After Alteration
Fig.5, Sheet 1 of 2

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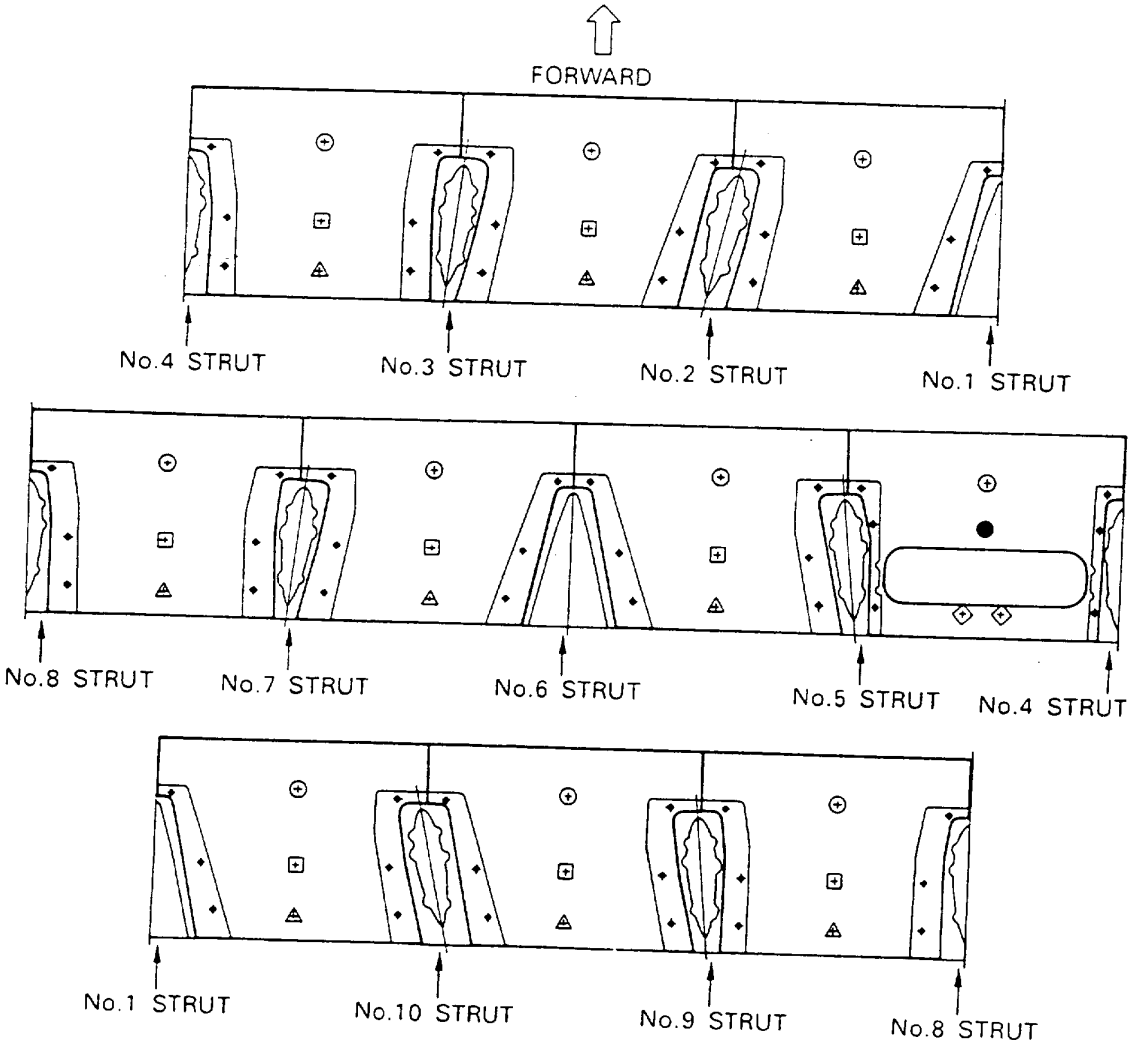
RUBBER SEALS AFTER ALTERATION

Rubber Seals - Before and After Alteration
Fig.5, Sheet 2 of 2




⊕: POSITION OF NAS1102E4-21 SCREW (10 off)
●: POSITION OF NAS1102E4-21 SCREW (1 off)
⊡: POSITION OF NAS1102E4R15 SCREW (9 off) OR AS51015 SCREW (9 off)
△: POSITION OF NAS1102E4R15 SCREW (9 off) OR AS51015 SCREW (9 off)
◇: POSITION OF NAS1102E4R15 SCREW (2 off) OR AS51015 SCREW (2 off) AND 4W0002 NUT (2 off)

POSITION OF FAN CASE LINER PANELS ATTACHING SCREWS AND NUTS - BEFORE ALTERATION

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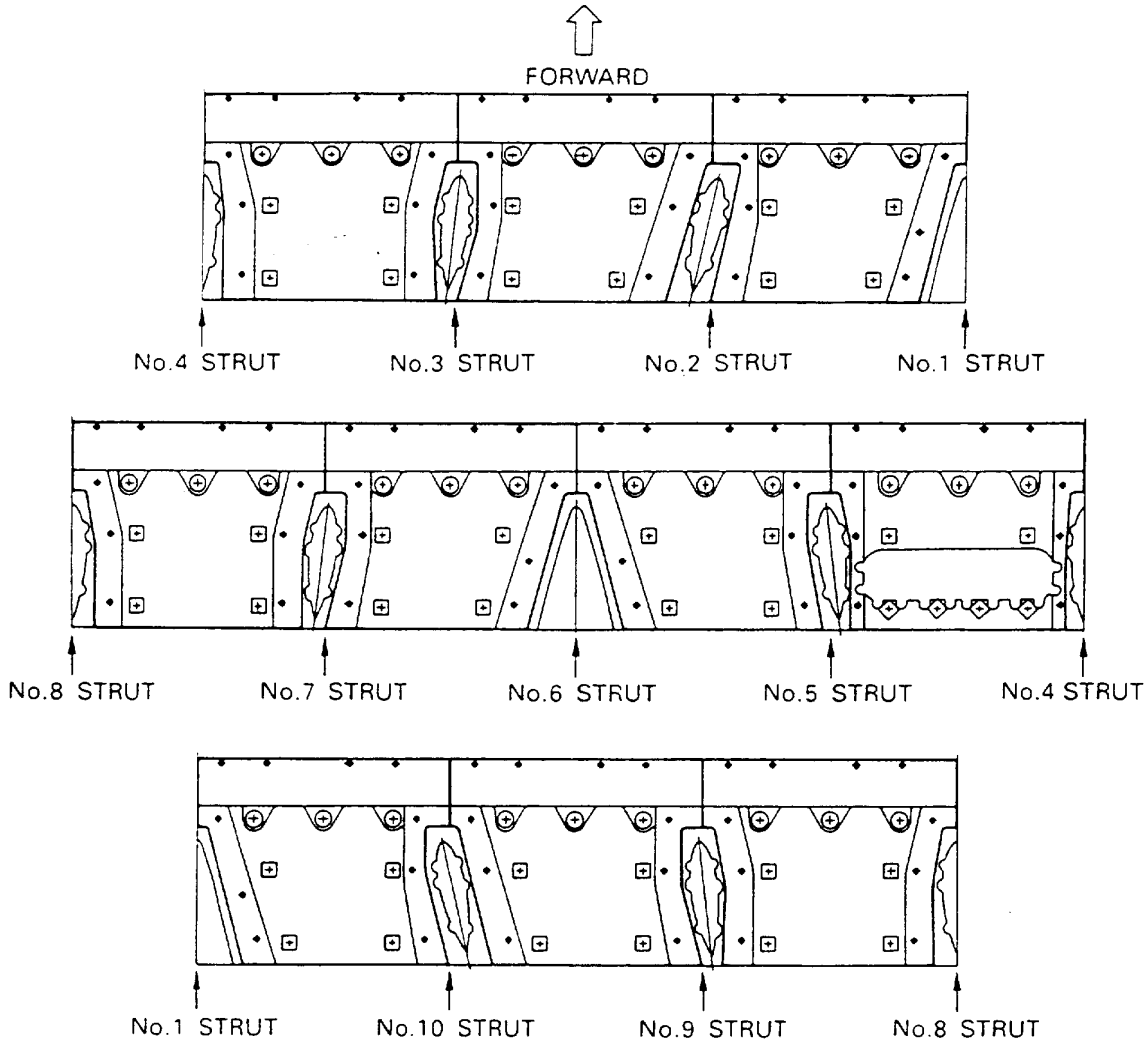
Fan Case Liner Panels Attaching Screws and Nuts - Before and After Alteration
Fig.6, Sheet 1 of 2




⊕ : POSITION OF 4W2392 SCREW (30 off)
⊡ : POSITION OF 4W2390 SCREW (38 off)
◈ : POSITION OF 4W2390 SCREW (4 off) AND 4W0002 NUT (4 off)

POSITION OF FRONT AND REAR LINER PANELS ATTACHING SCREWS AND NUTS - AFTER ALTERATION

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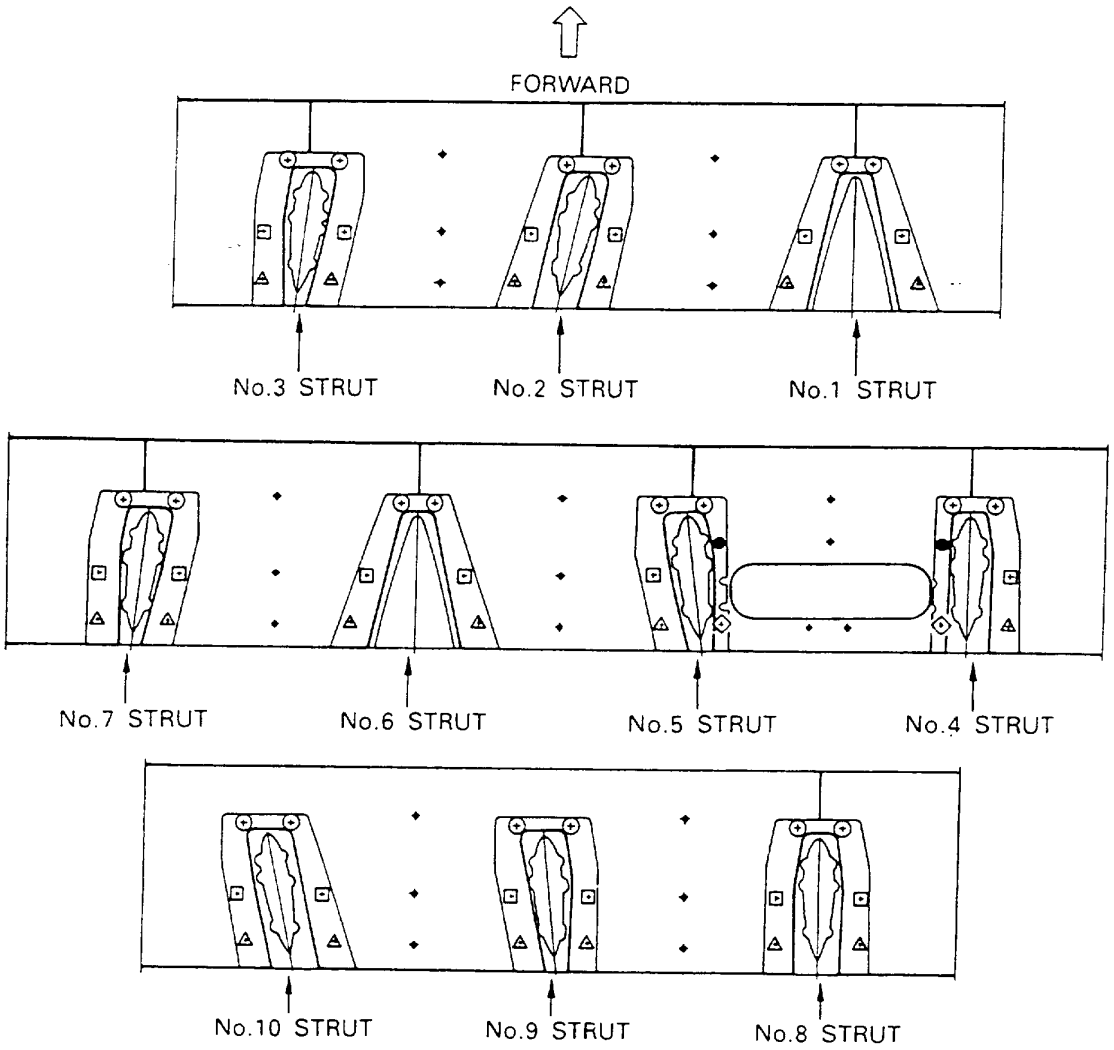
Fan Case Liner Panels Attaching Screws and Nuts - Before and After Alteration
Fig.6, Sheet 2 of 2




⊙ : POSITION OF NAS1102E4-21 SCREW (20 off)
● : POSITION OF NAS1102E4-21 SCREW (2 off) AND 4W0002 NUT (2 off)
⊡ : POSITION OF NAS1102E4R15 SCREW (18 off) OR AS51015 SCREW (18 off)
◬ : POSITION OF NAS1102E4R15 SCREW (18 off) OR AS51015 SCREW (18 off)
◈ : POSITION OF NAS1102E4R15 SCREW (2 off) OR AS51015 SCREW (2 off) AND 4W0002 NUT (2 off)

POSITION OF RUBBER SEALS ATTACHING SCREWS AND NUTS - BEFORE ALTERATION

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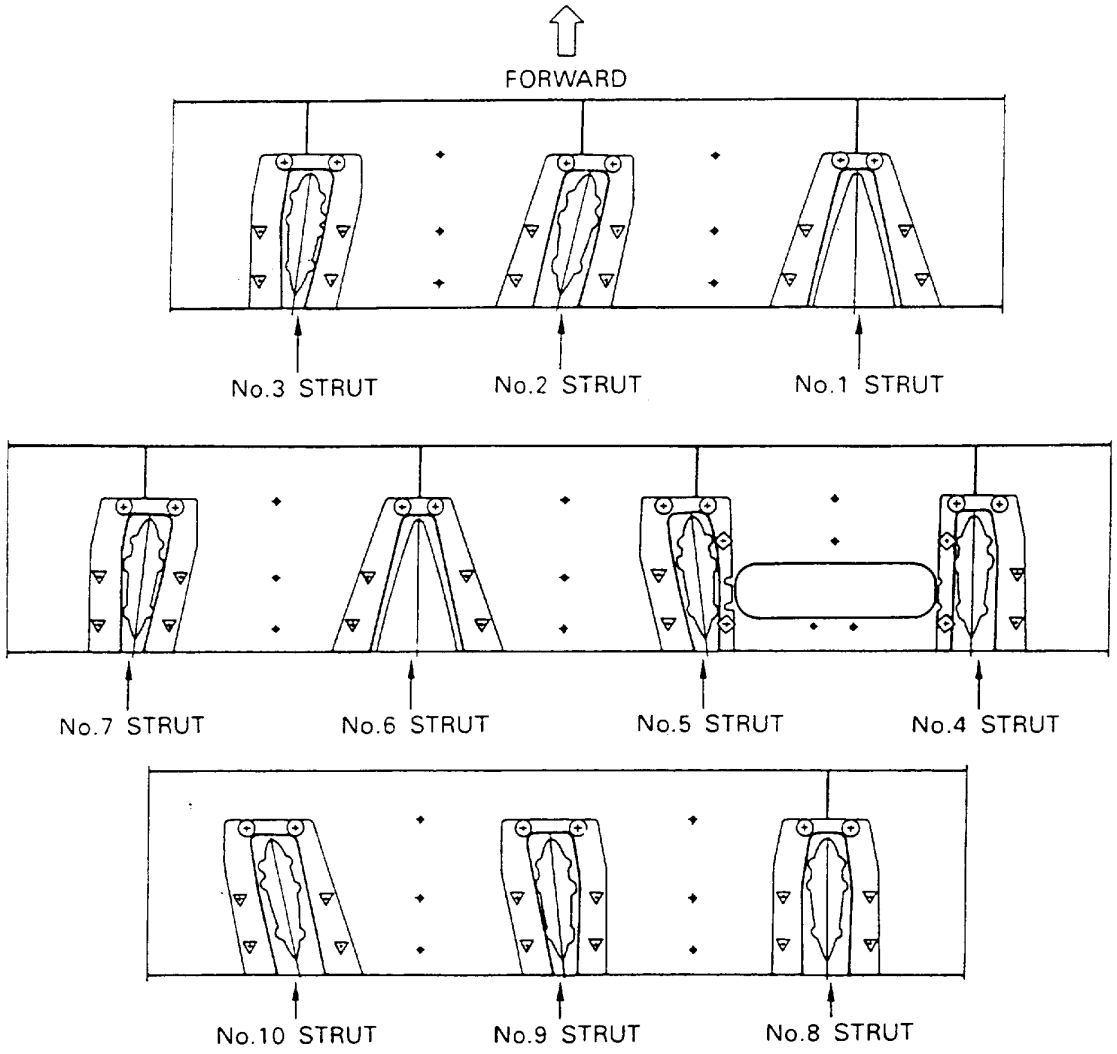
Rubber Seals Attaching Screws and Nuts - Before and After Alteration
Fig.7, Sheet 1 of 2




▽ : POSITION OF 4W2390 SCREW (36 off)
⊙ : POSITION OF 4W2392 SCREW (20 off)
◇ : POSITION OF 4W2390 SCREW (4 off) AND 4W0002 NUT (4 off)

POSITION OF RUBBER SEALS ATTACHING SCREWS AND NUTS - AFTER ALTERATION

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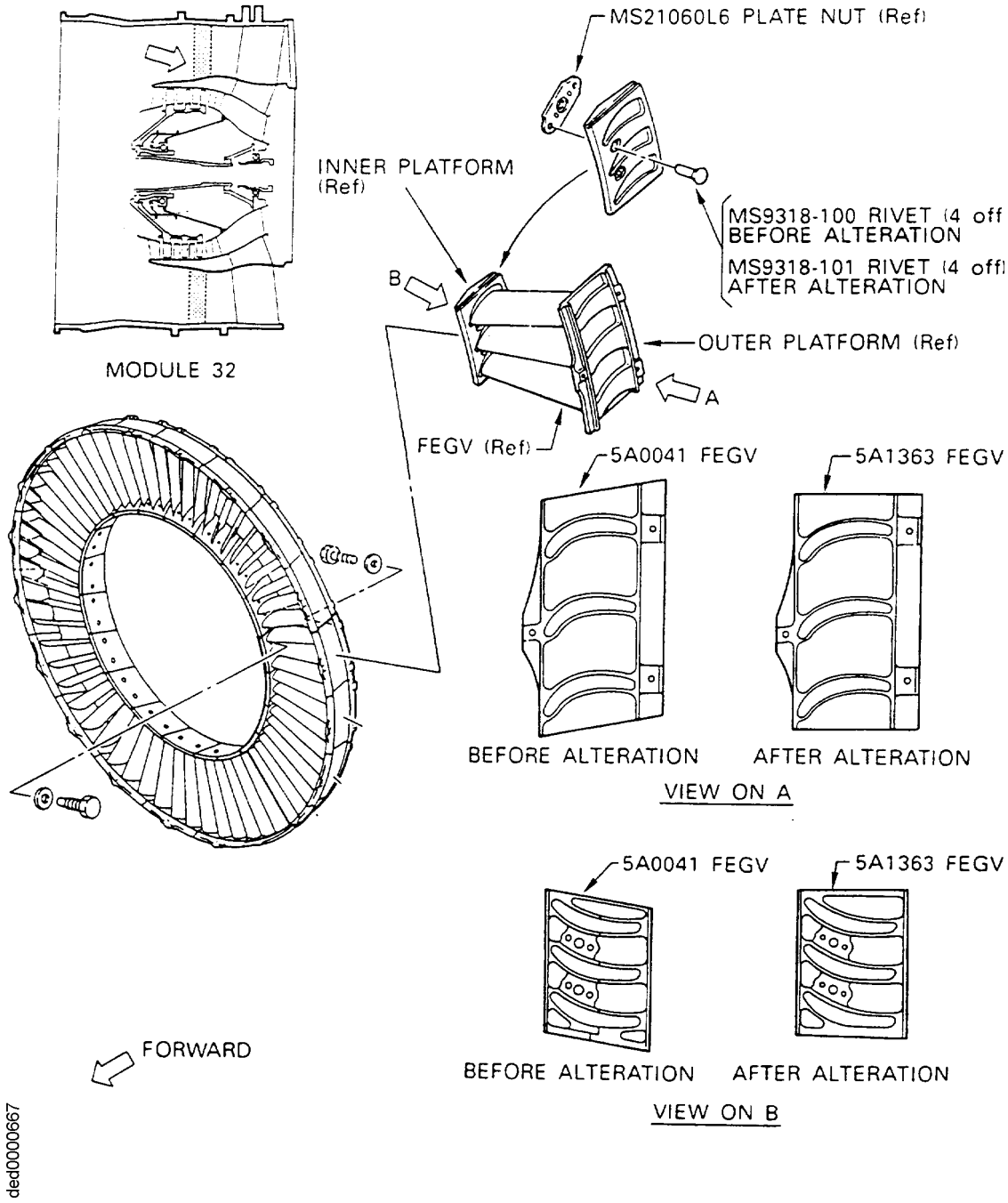
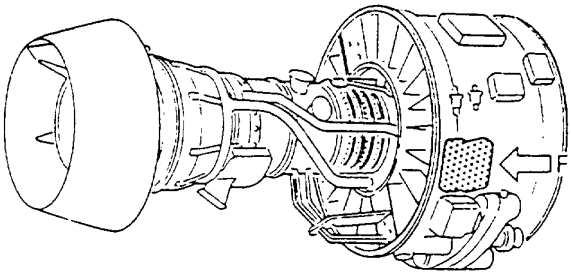
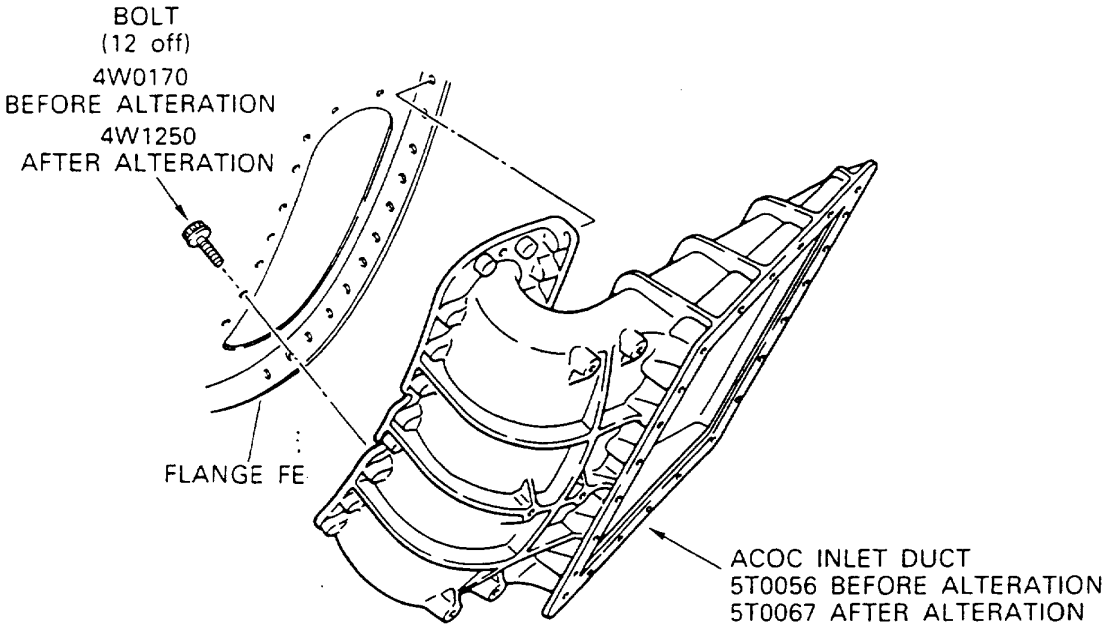
Rubber Seals Attaching Screws and Nuts - Before and After Alteration
Fig.7, Sheet 2 of 2




, Fan Exit Guide Vane (FEGV) A/O - Before and After Alteration
Fig.8




DETAIL F

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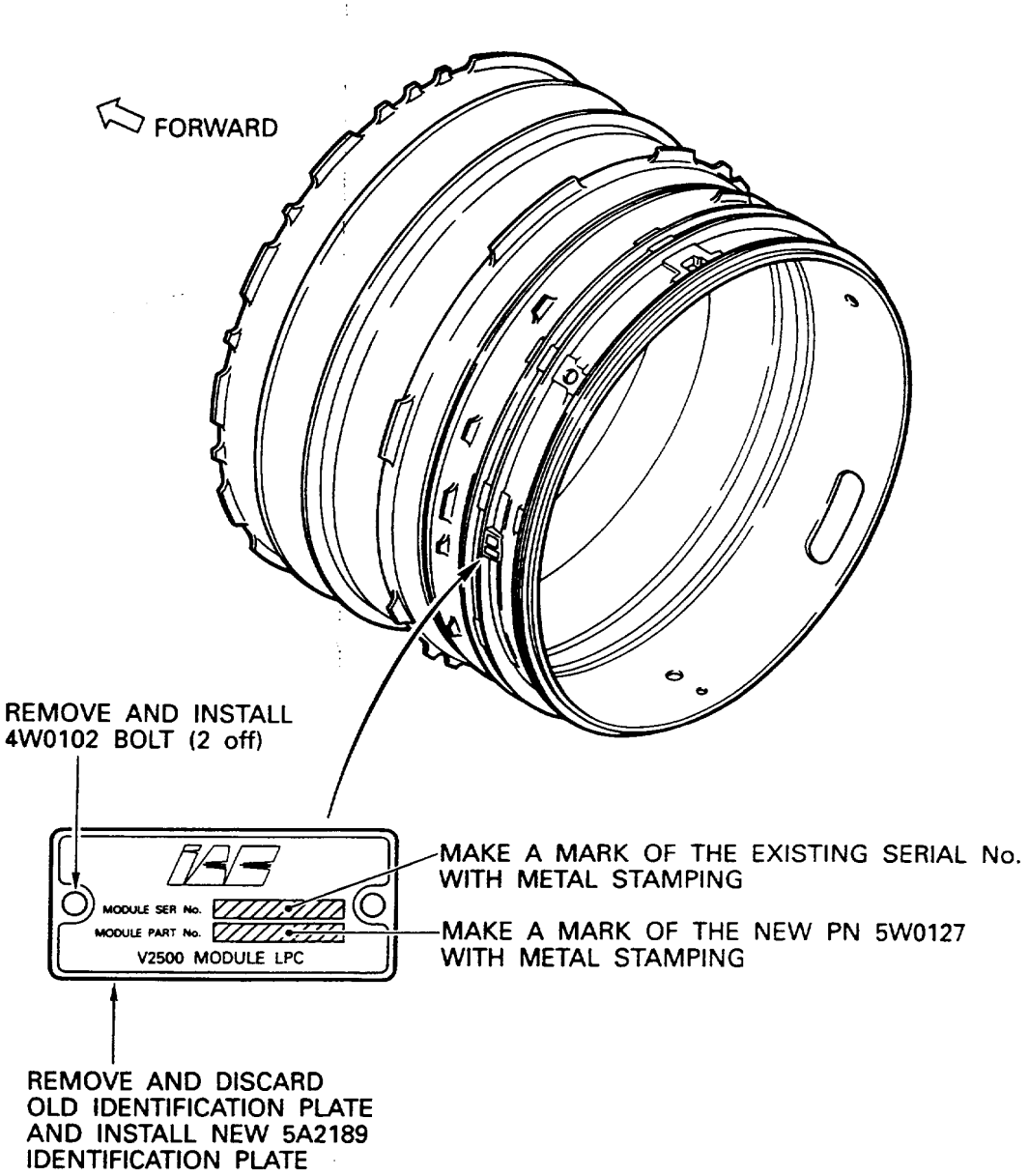
ACOC Inlet Duct - Before and After Alteration
Fig.9

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Reindentification of the new module identification plate
Fig.10

2. Accomplishment Instructions

A. Rework Instructions

There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

(1) Assemble the new 5W0124, Fan Case Assembly to the LP Compressor/ Intermediate Case Module by the approved procedures in the Engine Manual, 72-32-00 Assembly (Refer to 1.K. (3)).

(2) Assemble the ten 5A1086, Front Liner Panels, the three 5A0809, Rear Liner Panels, the three 5A0814, Rear Liner Panels, 5A0815, Middle Liner Panel, 5A0817, Rear Liner Panel, the three 5A0818, Rear Liner Panels to the LP Compressor/Intermediate Case Module with the 30, 4W2392, Screws, the 42, 4W2390, Screws, and the four 4W0002, Nuts by use of approved procedures in the Engine Manual 72-32-00, Assembly (Refer to Figure 3, Figure 4, Sheet 2, Figure 6, Sheet 2 and 1.K. (3)).

(3) Assemble 5A0819, Rubber Seal, 5A0823, Rubber Seal, 5A0824, Rubber Seal, 5A0825, Rubber Seal, 5A0827, Rubber Seal, 5A0828, Rubber Seal, 5A0829, Rubber Seal, 5A0830, Rubber Seal, 5A0831, Rubber Seal and 5A0832, Rubber Seal to the LP Compressor/Intermediate Case Module with the 20, 4W2392, Screws, the 40, 4W2390, Screws, and the four 4W0002, Nuts by use of approved procdures in the Engine Manual 72-32-00, Assembly (Refer to Figure 3, Figure 5, Sheet 2, Figure 7, Sheet 2 and 1.K. (3)).

(4) Assemble the 20, 5A1364, FEGV's to the LP Compressor/Intermediate Case Module by use of approved procedures in the Engine Manual, 72-32-00, Assembly (Refer to Figure 8 and 1.K. (3)).

NOTE: The new FEGV's are not accessible if the Rear Fairing A/O's introduced by SB. No. V2500-ENG-72-0105 are installed. make sure that the Rear Fairing A/O's are not installed before the installation of FEGV's.

(5) Assemble the five 5R0174, Transition Panels to the 5W0124, Fan Case Assembly by the approved procedures in the Engine Manual, 72-32-00, Assembly (Refer to Figure 2 and 1.K. (3)).

(6) Install the 5T0067, AC0C Inlet Duct and AC0C to the 5W0124, Fan Case Assembly by the approved procedures in the Engine Manual, 72-00-32, Installation (Refer to Figure 9 and 1.K. (3)).

(7) Replace the Module Identification Plate in accordance with following procedures (Refer to Figure 10);

(a) Fnd the existing Module Identification Plate on the LP Compressor/ Intermediate Module and make sure that Module Assembly Number is 5W0102.

(b) Remove the existing 4W0102, two bolts from the module identification plate on the fan case.

(c) Remove the existing module identification plate and discard it.

NOTE: Make sure the existing serial number on module identification plate before you discard it.

(d) Make a mark of the new module assembly number 5W0127, and existing serial number to the new 5A2189, module identification plate by the approved procedures in Refernce (4), Chapter/Section 70-09-00, Marking of Parts.

(e) Install the marked new module identification plate with the two 4W0102, bolts in to sufficient position.

(f) Torque the bolts to 36 to 45 lbfin (4,00 to 5,00 Nm) with CoMat 10-077 approved engine oil.

C. Recording Instructions

A record of accomplishment is necessary.

3. Material Information

Applicability: For each V2500-A1 Engine to incorporte this Bulletin.

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

| New Part No. (ATA No.) | Qty | Est'd Unit Price ($) | Keyword | Old Part No. (IPC No.) | Instruction Disposition |
|---|---|---|---|---|---|
| 5W0127 (72-32-00) | 1 | | LPC/Intermediate Case Module | 5W0102 (01-001) | (S1) |
| - (72-32-00) | - | - | .Screw, 100 deg CSK | 5R0002 (01-310) | (E) (S1) |
| - (72-32-00) | - | - | .Washer, Dimpled | 5R0003 (01-315) | (E) (S1) |
| 4W2392 (72-32-00) | 30 | 8.80 | .Screw, 100 deg CSK | NAS1102E4-21 (02-805) | (A) (F) (S1) |
| 4W2390 (72-32-00) | 36 | 3.60 | .Screw, 100 deg CSK | - (02-808) | (A) (S1) (1D) |
| 4W2392 (72-32-00) | 20 | 8.80 | .Screw, 100 deg CSK | NAS1102E4-21 (02-810) | (A) (F) (S1) |
| - (72-32-00) | - | - | .Nut, Self Locking | 4W0002 (02-813) | (E) (S1) |
| - (72-32-00) | - | - | .Screw, 100 deg CSK | NAS1102E4-21 (02-815) | (E) (S1) |
| 4W2390 (72-32-00) | 38 | 3.60 | .Screw, 100 deg CSK | NAS1102E4R15 or AS51015 (02-820) | (A) (E) (S1) |
| 4W0002 (72-32-00) | 4 | 8.02 | .Nut, Self Locking | 4W0002 (02-823) | (A) (S1) (6D) |
| 4W2390 (72-32-00) | 4 | 3.60 | .Screw, 100 deg CSK | NAS1102E4R15 or AS51015 (02-825) | (A) (E) (S1) |
| 4W0002 (72-32-00) | 4 | 8.02 | .Nut, Self Locking | 4W0002 (02-828) | (A) (S1) (7D) |
| 4W2390 (72-32-00) | 4 | 3.60 | .Screw, 100 deg CSK | NAS1102E4R15 or AS51015 (02-830) | (A) (E) (S1) |
| 5W0124 (72-32-85) | 1 | - | .Case, A/O Fan | 5W0072 (01-100) | (S1) |
| 5A0993 (72-32-85) | 2 | 137.00 | ...Bushing | - (01-665) | (A) (1D) |
| CR2663-3-3 (72-32-85) | 148 | 5.74 | ...Rivet, Blind | CR2663-3-3 (01-690) | (A) (2D) |

| | | | | | |
|---|---|---|---|---|---|
| MS21060-4 (72-32-85) | 74 | 1.75 | ...Nut, Anchor | MS21060-4 (01-695) | (A) (3D) |
| CR2663-3-3 (72-32-85) | 100 | 5.74 | ...Rivet, Blind | CR2663-3-3 (01-715) | (A) (4D) |
| MS21062-4 (72-32-85) | 50 | 2.29 | ...Nut, Anchor | MS21062-4 (01-720) | (A) (5D) |
| 5A2189 (72-32-85) | 1 | | .Plate, LPC Module | 5A2189 (03-100) | (A) |
| 5A0819 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2139 (01-150) | (A) (E) (S1) |
| 5A0823 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2179 (01-100) | (A) (E) (S1) |
| 5A0824 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2141 (01-200) | (A) (E) (S1) |
| 5A0825 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2142 (01-250) | (A) (E) (S1) |
| 5A0827 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2180 (01-300) | (A) (E) (S1) |
| 5A0828 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2144 (01-350) | (A) (E) (S1) |
| 5A0829 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2181 (01-400) | (A) (E) (S1) |
| 5A0830 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2146 (01-450) | (A) (E) (S1) |
| 5A0831 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2147 (01-500) | (A) (E) (S1) |
| 5A0832 (72-32-87) | 1 | 842.00 | .Seal, A/O Rubber | 5A2182 (01-550) | (A) (E) (S1) |
| 5A0809 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2149 (02-100) | (A) (E) (S1) |
| 5A0809 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2149 (02-150) | (A) (E) (S1) |
| 5A0814 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2150 (02-200) | (A) (E) (S1) |
| 5A0817 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2151 (02-250) | (A) (E) (S1) |
| 5A0815 (72-32-87) | 1 | 502.00 | .Panel, A/O Liner Mid | - (02-290) | (A) (S1) (1D) |
| 5A0818 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2152 (02-300) | (A) (E) (S1) |
| 5A0809 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2149 (02-350) | (A) (E) (S1) |
| 5A0814 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2150 (02-400) | (A) (E) (S1) |
| 5A0814 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2150 (02-450) | (A) (E) (S1) |
| 5A0818 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2152 (02-500) | (A) (E) (S1) |
| 5A0818 (72-32-87) | 1 | 945.00 | .Panel, A/O Liner Rear | 5A2152 (02-550) | (A) (E) (S1) |

| | | | | | |
|---|---|---|---|---|---|
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-100) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-150) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-200) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-250) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-300) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-350) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-400) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-450) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-500) | (A) (S1) (1D) |
| 5A1086 (72-32-87) | 1 | 777.00 | .Panel, A/O Liner Front | - (03-550) | (A) (S1) (1D) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (06-100) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (06-210) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (06-300) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (06-410) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (06-500) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (06-610) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (06-700) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (06-810) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (07-100) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (07-210) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (07-300) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (07-410) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (07-500) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (07-610) | (A) (C) (S2) |

| | | | | | |
|---|---|---|---|---|---|
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (07-700) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (07-810) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (08-100) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (08-210) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (08-300) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (08-410) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (08-500) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (08-610) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (08-700) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (08-810) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (09-100) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (09-210) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (09-300) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (09-410) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (09-500) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (09-610) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (09-700) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (09-810) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (10-100) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (10-210) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (10-300) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (10-410) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (10-500) | (B) (E) (S1) |
| MS9318-101 (72-32-88) | 4 | .14 | ...Rivet | MS9318-100 (10-610) | (A) (C) (S2) |
| 5A1363 (72-32-88) | 1 | 3664.00 | .Vane, A/O Fan Exit | 5A0041 (10-700) | (B) (E) (S1) |
| MS9318-101 | 4 | .14 | ...Rivet | MS9318-100 | (A) (C) (S2) |

| | | | | | |
|---|---|---|---|---|---|
| (72-32-88) | | | | (10-810) | |
| 5R0174 | 5 | 3448.00 | .Panel, A/O Transition | 5R0012 | (A) (E) (S1) |
| (72-32-89) | | | | (01-100) | |
| - | - | - | ..Rivet, C/Sunk Head | MS20426AD3-4 | (E) |
| (72-32-89) | | | | (01-200) | |
| - | - | - | ..Nut, Float | MS21060L4 | (F) |
| (72-32-89) | | | | (01-210) | |
| 5T0067 | 1 | 13,770.00 | .Duct, A/O Inlet ACOC | 5T0056 | (A) (E) (S1) |
| 979-21-42) | | | | (01-400) | |
| 4W1250 | 12 | 5.10 | .Bolt | 4W0170 | (A) (F) (S1) |
| (79-21-42) | | | | (01-415) | |

C. Instruction/Disposition Code Statements:

(A) New Parts are currently available for sale.
(B) New Parts will be available approximately December 1991.
(C) Old Parts will continue to be available until existing stock is exhausted.
(E) Old Parts will continue to be available for sale.
(F) Old Parts will continue to be supplied on other application.
(S1) New Parts coded (S1) must replace Old Parts coded (S1) as a COMPLETE SET per engine.
(S2) Old and New Parts are freely and fully interchangeable, both physically and functionally.
(1D) Additional Part.
(2D) Quantity of Part No. CR2663-3-3 increased from 118 to 148.
(3D) Quantity of Part No. MS21060-4 increased from 59 to 74.
(4D) Quantity of Part No. CR2663-3-3 increased from 52 to 100.
(5D) Quantity of Part No. MS21062-4 increased from 26 to 50.
(6D) Quantity of Part No. 4W0002 increased from 2 to 4.
(7D) Quantity of Part No. 4W0002 increased from 2 to 4.

NOTE: The estimated 1995 prices shown are provided for planning purposes only and do not constitute a firm quotation.
Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.