COMPONENT MAINTENANCE MANUAL
3A429-0007-0008-(**)-(*)
3A429-0057-0058-(**)-(*)

EXECUTIVE SEAT PART NUMBERS

3A429-0007-(**)-(*)	3A429-0008-(**)-(*)
3A429-0057-(**)-(*)	3A429-0058-(**)-(*)

REFER TO PAGE T-2, T-3 AND T-4 FOR COMPLETE SEAT PART NUMBERS AND THE SEATS COVERED BY THIS MANUAL

CESSNA PART NUMBERS

9919107-(**)

PUBLICATION REFERENCE NUMBER SM1022

COMPONENT MAINTENANCE MANUAL
WITH ILLUSTRATED PARTS LIST

THIS MANUAL COMPLIES WITH EASA PART 21, THE TECHNICAL CONTENT OF THE MANUAL HAS BEEN VERIFIED AND CERTIFIED CORRECT.

SIGNED: _____

DATE: 7TH SEPT 2011

EASA PART 21 SUBPART G APPROVAL NO UK.21G.2071

EXECUTIVE SEAT

IPECO PART NUMBER	CESSNA PART NUMBER
3A429-0007-101-1	9919107-3
3A429-0007-102-1	9919107-11
3A429-0007-103-1	9919107-13
3A429-0007-104-1	9919107-15
3A429-0007-113-1	9919107-43
3A429-0007-114-1	9919107-51
3A429-0007-115-1	9919107-53
3A429-0007-116-1	9919107-55
3A429-0008-101-1	9919107-4
3A429-0008-102-1	9919107-12
3A429-0008-103-1	9919107-14
3A429-0008-104-1	9919107-16
3A429-0008-113-1	9919107-44
3A429-0008-114-1	9919107-52
3A429-0008-115-1	9919107-54
3A429-0008-116-1	9919107-56

EXECUTIVE SEAT

IPECO PART NUMBER	CESSNA PART NUMBER
3A429-0057-101-1	9919107-23
3A429-0057-102-1	9919107-31
3A429-0057-103-1	9919107-33
3A429-0057-104-1	9919107-35
3A429-0057-113-1	9919107-63
3A429-0057-114-1	9919107-71
3A429-0057-115-1	9919107-73
3A429-0057-116-1	9919107-75
3A429-0058-101-1	9919107-24
3A429-0058-102-1	9919107-32
3A429-0058-103-1	9919107-34
3A429-0058-104-1	9919107-36
3A429-0058-113-1	9919107-64
3A429-0058-114-1	9919107-72
3A429-0058-115-1	9919107-74
3A429-0058-116-1	9919107-76

INTENTIONALLY BLANK

RECORD OF REVISION

Retain this record at the front of the manual. On receipt of a revision, amend as instructed in the letter of transmittal and record the incorporation of the revision on this sheet. Retain the letter of transmittal following this record; this certifies compliance with EASA PART 21.

REV. No.	ISSUE DATE	DATE INSERTED	BY	REV. No.	ISSUE DATE	DATE INSERTED	BY
1	07/05/10	11/05/10	IPECO				
2	07/12/10	07/12/10	IPECO				
3	07/09/11	07/09/11	IPECO				

INTENTIONALLY BLANK

RECORD OF TEMPORARY REVISION

REV. No.	ISSUE DATE	DATE INSERTED	REMOVAL DATE	INCORPORATOR'S INITIALS	REMOVER'S INITIALS

INTENTIONALLY BLANK

SERVICE BULLETIN RECORD

SERVICE BULLETIN	ISSUE DATE	DATE INCORPORATED	BY	SERVICE BULLETIN	ISSUE DATE	DATE INCORPORATED	BY
429-25-01 ISSUE 1	14/12/09	14/12/09	IPECO				
429-25-01 ISSUE 2	15/09/10	15/09/10	IPECO				

INTENTIONALLY BLANK

COMPONENT MAINTENANCE MANUAL
3A429-0007-0008-(**)-(*)
3A429-0057-0058-(**)-(*)

LIST OF EFFECTIVE PAGES

SUBJECT	PAGE	DATE
TITLE	T-1	7 SEP/11
"	T-2	6 AUG/09
"	T-3	6 AUG/09
"	T-4	6 AUG/09
RECORD OF REVISIONS	RR-1	6 AUG/09
"	RR-2	6 AUG/09
RECORD OF TEMPORARY REVISION	RTR-1	6 AUG/09
"	RTR-2	6 AUG/09
SERVICE BULLETIN RECORD	SB-1	6 AUG/09
"	SB-2	6 AUG/09
LIST OF EFFECTIVE PAGES	LEP-1	7 SEP/11
"	LEP-2	7 DEC/10
"	LEP-3	7 SEP/11
"	LEP-4	7 DEC/10
FAMILY TREE	FAM-1	6 AUG/09
"	FAM-2	6 AUG/09
TABLE OF CONTENTS	TC-1	6 AUG/09
"	TC-2	6 AUG/09
INTRODUCTION	INTRO-1	6 AUG/09
"	INTRO-2	6 AUG/09
DESCRIPTION AND OPERATION	1	6 AUG/09
"	2	6 AUG/09
"	3	6 AUG/09
"	4	6 AUG/09
"	5	6 AUG/09
"	6	6 AUG/09
TESTING & FAULT ISOLATION	101	6 AUG/09
"	102	6 AUG/09
DISASSEMBLY TABLE OF CONTENTS	301	6 AUG/09
DISASSEMBLY	302	6 AUG/09
"	303	6 AUG/09
"	304	6 AUG/09
"	305	6 AUG/09
"	306	6 AUG/09
"	307	6 AUG/09
"	308	6 AUG/09
"	309	6 AUG/09
"	310	6 AUG/09
"	311	6 AUG/09
"	312	6 AUG/09
"	313	6 AUG/09
"	314	6 AUG/09
"	315	6 AUG/09
"	316	7 MAY/10

COMPONENT MAINTENANCE MANUAL
3A429-0007-0008-(**)-(*)
3A429-0057-0058-(**)-(*)

SUBJECT	PAGE	DATE
CLEANING	401	6 AUG/09
"	402	6 AUG/09
CHECK	501	6 AUG/09
"	502	6 AUG/09
"	503	6 AUG/09
"	504	6 AUG/09
REPAIR	601	6 AUG/09
"	602	6 AUG/09
ASSEMBLY TABLE OF CONTENTS	701	6 AUG/09
ASSEMBLY	702	6 AUG/09
"	703	7 MAY/10
"	704	6 AUG/09
"	705	6 AUG/09
"	706	6 AUG/09
"	707	6 AUG/09
"	708	6 AUG/09
"	709	6 AUG/09
"	710	6 AUG/09
"	711	6 AUG/09
"	712	6 AUG/09
"	713	6 AUG/09
"	714	6 AUG/09
"	715	6 AUG/09
"	716	6 AUG/09
"	717	6 AUG/09
"	718	6 AUG/09
"	719	6 AUG/09
"	720	6 AUG/09
"	721	6 AUG/09
"	722	6 AUG/09
"	723	6 AUG/09
"	724	6 AUG/09
FITS AND CLEARANCES	801	6 AUG/09
"	802	6 AUG/09
SPECIAL TOOLS, FIXTURES AND EQUIPMENT	901	6 AUG/09
"	902	6 AUG/09
ILLUSTRATED PARTS LIST TABLE OF CONTENTS	1001	6 AUG/09
ILLUSTRATED PARTS LIST	1002	6 AUG/09
"	1003	7 DEC/10
"	1004	7 DEC/10
"	1005	7 DEC/10
"	1006	6 AUG/09
ALPHANUMERIC INDEX	1007	7 DEC/10
"	1008	7 DEC/10
"	1009	7 DEC/10
"	1010	7 DEC/10
"	1011	7 DEC/10
"	1012	7 DEC/10

SUBJECT	PAGE	DATE
ALPHANUMERIC INDEX CONTINUED	1013	7 DEC/10
"	1014	7 DEC/10
"	1015	7 SEP/11
"	1016	7 SEP/11
"	1016.1	7 SEP/11
"	1016.2	7 DEC/10
"	1016.3	7 DEC/10
"	1016.4	7 DEC/10
"	1016.5	7 DEC/10
"	1016.6	7 DEC/10
DETAILED PARTS LIST TABLE OF CONTENTS	1017	7 DEC/10
DETAILED PARTS LIST	1018	6 AUG/09
"	1019	6 AUG/09
"	1020	6 AUG/09
"	1021	7 DEC/10
"	1022	7 DEC/10
"	1023	7 DEC/10
"	1024	7 DEC/10
"	1025	7 DEC/10
"	1026	7 DEC/10
"	1027	7 DEC/10
"	1028	7 DEC/10
"	1029	7 DEC/10
"	1030	7 DEC/10
"	1031	7 DEC/10
"	1032	7 DEC/10
"	1033	7 DEC/10
"	1034	7 DEC/10
"	1035	7 DEC/10
"	1036	7 DEC/10
"	1037	7 DEC/10
"	1038	7 DEC/10
"	1039	7 DEC/10
"	1040	7 DEC/10
"	1041	7 DEC/10
"	1042	7 DEC/10
"	1043	7 DEC/10
"	1044	7 DEC/10
"	1045	7 DEC/10
"	1046	7 DEC/10
"	1047	7 DEC/10
"	1048	7 DEC/10
"	1049	7 DEC/10
"	1050	7 SEP/11
"	1051	7 SEP/11
"	1052	7 DEC/10

SUBJECT	PAGE	DATE
DETAILED PARTS LIST CONTINUED	1053	7 DEC/10
"	1054	7 DEC/10
"	1055	7 DEC/10
"	1056	7 DEC/10
"	1057	7 DEC/10
"	1058	7 DEC/10
"	1059	7 DEC/10
"	1060	7 DEC/10
"	1061	7 DEC/10
"	1062	7 DEC/10
"	1063	7 DEC/10
"	1064	7 DEC/10

FAMILY TREE

T.B.A.

INTENTIONALLY BLANK

COMPONENT MAINTENANCE MANUAL
3A429-0007-0008-(**)-(*)
3A429-0057-0058-(**)-(*)

TABLE OF CONTENTS

PARAGRAPH TITLE	PAGE
DESCRIPTION AND OPERATION	1
TESTING AND FAULT ISOLATION	101
DISASSEMBLY	301
CLEANING	401
CHECK	501
REPAIR	601
ASSEMBLY AND STORAGE	701
FITS AND CLEARANCES	801
SPECIAL TOOLS, FIXTURES AND EQUIPMENT	901
ILLUSTRATED PARTS LIST	1001

INTENTIONALLY BLANK

INTRODUCTION

IMPORTANT 1: IT IS RECOMMENDED THAT THE INFORMATION CONTAINED ON INTRO-2 PAGE NOTE 1 IS OBSERVED.

1. General

A. The instructions in this manual provide the information necessary to perform maintenance functions from simple checks and replacement to complete overhaul.

B. The manual will be revised as necessary to reflect current information.

C. Verification of Aspects of Manual, are as follows:-

1. Testing: To be advised.

2. Disassembly: To be advised.

3. Assembly: To be advised.

D. Preliminary Pages

1. These pages are for informing the user of the current status of the manual, which also includes an introduction page and a table of contents page. The mentioned pages are as follows:-

a. Title Page.
b. Record of Revisions.
c. Temporary Revision
d. Service Bulletin Record.
e. List of Effective Pages.
f. Family Tree
g. Table of Contents.
h. Introduction.

E. Table of Contents

1. Refer to the table of contents for the page location of applicable sections.

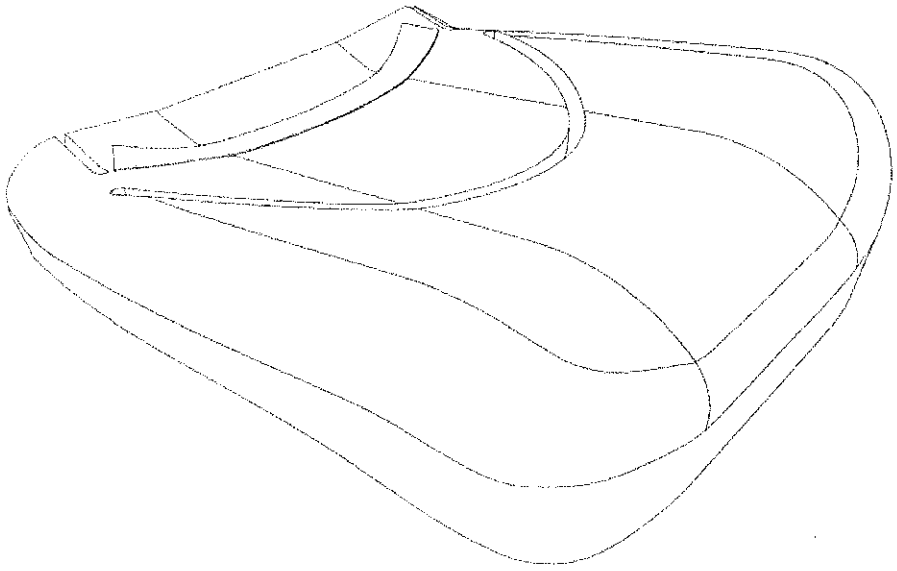
F. Illustrated Parts List

1. An explanation of the use of this List is provided in the introduction to that section.

IMPORTANT!

1. SEAT PAN CUSHION MUST BE REPLACED WITH ITEM OF IDENTICAL PART NUMBER, OTHERWISE FEDERAL AVIATION REGULATION: 25.562 AND JOINT AVIATION REQUIREMENT: 25.562 WILL BE CONTRAVENED.

2. IT IS RECOMMENDED THAT THE SEAT PAN CUSHION SUPPLIED AS PART OF THE SEAT IS REPLACED 3 YEARS FROM DATE STATED ON CUSHION LABEL.



SEAT PAN CUSHION

3. FOR A SEAT PAN CUSHION INSTALLED AS A REPLACEMENT, I.E. NOT SUPPLIED AS PART OF THE SEAT, IT IS RECOMMENDED THAT IT IS REPLACED 3 YEARS FROM THE DATE OF INSTALLATION ON THE SEAT.

4. IT IS RECOMMENDED THAT THE STORAGE OF THE SEAT PAN CUSHIONS SHOULD BE IN ACCORDANCE WITH INFORMATION LISTED UNDER STORAGE OF EXECUTIVE SEAT.

DESCRIPTION AND OPERATION

1. Description

A. General

1. The executive seat is of an advanced design which allows the seat to perform efficiently on the aircraft, whilst providing maximum long term comfort.

2. The seat is of lightweight construction and is intended for mounting on the aircraft floor.

B. Detail (Figure 1)

1. The seat is constructed from aluminium alloy machined parts, panels and composite materials.

2. The seat back structure is joined to the seat pan structure by a pivot tube. Adjustment of the recline for the back structure and locking it in the desired position, is achieved by the use of a mechanical control and recline mechanisms.

3. Positional adjustment for the upper part of the seat (back structure and seat pan structure) is housed in the base turntable and mechanism assembly. This mechanism enables the upper part of the seat to simultaneously move forward/aft, lateral and rotate.

4. The seat base structure has claw plates that retain the seat to floor tracks. Rollers situated in each set of claw plates assist the freedom of movement when adjusting the fore/aft position on the floor tracks. A positive spring loaded tracklock mechanism prevents normal fore/aft movement.

5. A headrest is attached to the back structure which can be adjusted for height.

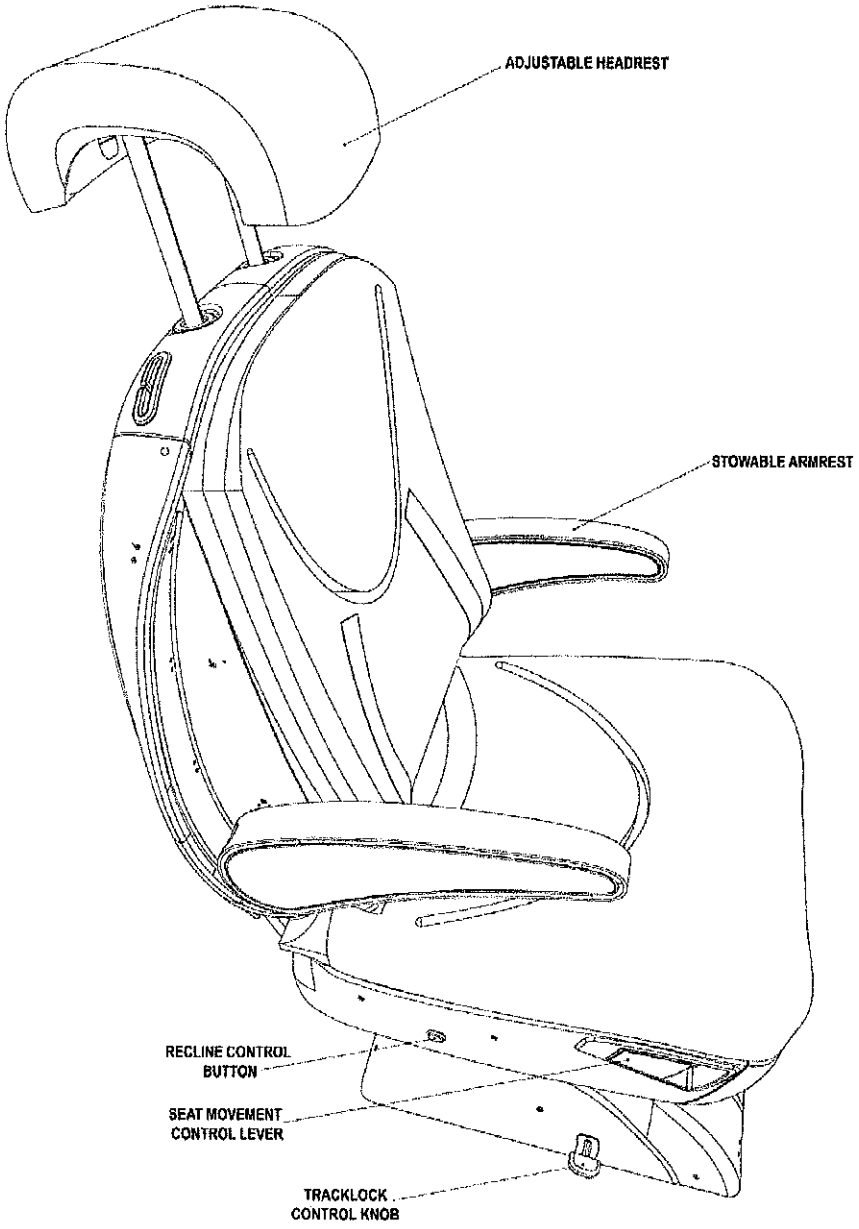


FIGURE 1 - LEFT HAND EXECUTIVE SEAT (RIGHT HAND SEAT SYMMETRICALLY OPPOSITE)

2. Operation

A. Mechanical Control

1. When the button (input end of control), is pressed, a spring behind the button is compressed and a small shaft connected to the button acts upon the input lever. The input lever is connected to the output lever by a cable, this cable transfers the movement of the input lever to the output lever. The output lever acts upon the recline mechanism to which it is attached.

2. When the button is released, the compressed spring exerts pressure against the button. As the button moves towards its original position of rest, it causes the other attached parts to do the same.

B. Recline Mechanism

1. General

a. When the control rod on the recline mechanism is depressed, this causes a valve within the recline mechanism to open and allow fluid to move between two chambers. The recline mechanism is now released from its locked position.

b. Remove pressure from the control rod, the internal valve closes and the recline mechanism is locked in position because there is no fluid flow between the two chambers.

2. Retraction of Recline Mechanism

a. With condition in 1.a set and a compressive load applied to overcome the force of its return spring, the recline mechanism retracts.

b. At any point in the retraction of the recline mechanism, by removing pressure from the control rod, condition defined in 1.b is achieved.

3. Extension of Recline Mechanism

a. With the recline mechanism locked in any position of retraction.

b. Set the condition defined in 1.a., the force of its return spring will automatically cause the recline mechanism to extend.

c. At any point in the extending of the recline mechanism, by removing pressure from the control rod, condition defined in 1.b is achieved.

C. Tracklock Adjustment

1. When the tracklock control is operated, it causes a shaft with levers to rotate. This rotational movement is applied to the tracklock pins and springs that are connected to the levers on the shaft. When the tracklock control reaches its full extent of operation , the tracklock pins are fully with drawn from the floor tracks and the springs are fully extended. The base of the seat is now free to move fore and aft along the full length of the floor tracks.

2. Release of the tracklock control allows the extended springs to exert the stored energy through the tracklock mechanism. This enery reverses the original movement of the mechanism, which in turn causes the tracklock pins to re-engage with the floor tracks, therefore locking the base of the seat in the desired position.

D. Back Structure Adjustment

1. When the button on the recline mechanical control is operated, both recline mechanisms change from the 'locked' state to the 'unlocked' state. By easing the body weight from the back cushion the force exerted by the return springs of the recline mechanisms to the back structure causes the back structure to rotate around its pivot tube and therefore reduce the angle of recline.

2. When the body weight is applied to the back cushion and is sufficient to overcome the force exerted by the return springs of the recline mechanisms, this causes the back structure to rotate in the opposite direction and therefore increase its angle of recline.

3. When the recline mechanical control button is released, the recline mechanism changes from the 'unlocked' state to the 'locked' state, therefore securing the back structure in the desired position.

E. Forward/Aft/Lateral/Rotational Adjustment for Upper Part of Seat

1. Operation of the control lever causes the operating cable to act on the operating cable main fitting. This results in the operation of various pulleys and levers within the positional adjustment mechanism, bringing about the simultaneous functions of: forward/aft/lateral/rotational adjustment.

2. Fwd/Aft Adjustment for Upper Part of Seat

a. The mechanism cable is attached to the seat structure, wound around three pulleys and finally attached to the fwd/aft bearing carrier via the following: fwd/aft cable end fitting, various lugs and serrated blocks and a compression spring. When the control lever is operated, the middle pulley wheel (part of operating cable main fitting) moves and pulls on the mechanism cable which in turn acts upon the fwd/aft cable end fitting. This action causes the fwd/aft lugs and serrated blocks to pivot and compress the spring, with the serrated blocks disengaging from the fwd/aft tube. This allows the upper part of the seat to move fore/aft.

b. When the seat movement control lever is released, the compression spring reacts against the fwd/aft bearing carrier and cable end fitting. The fwd/aft end cable fitting acts on the mechanism cable which results in the middle pulley wheel, fwd/aft lugs and serrated blocks moving in the reverse direction. When the serrated blocks make contact with the fwd/aft tube, this locks the upper part of the seat in position.

3. Lateral Adjustment for Upper Part of Seat

   a. When the seat movement control lever is operated, the operating cable main fitting moves and causes the lateral lugs and serrated blocks to pivot. This action results in the extension of two springs and the lateral serrated blocks disengaging from the lateral tube. The upper part of the seat is then free to move laterally.

   b. When the seat movement control lever is released, the two extended springs contract. This action results in the lateral lugs and serrated blocks moving in the reverse direction. When the serrated blocks make contact with the lateral tube, this locks the upper part of the seat in position.

4. Rotation Adjustment for Upper Part of Seat

   a. When the seat movement control lever is operated, this causes the cable main fitting to operate the rotational lock pin, which acts against the compression spring and disengages from the turn-table assembly. The result is that the turn-table assembly is free to move.

   b. When the seat movement control lever is released, the compression spring acts against the rotational lock pin to engage with the next available lock position on the turn-table assembly, locking the upper part of the seat in that position.

TESTING AND FAULT ISOLATION

1. General

A. Test Equipment

1. Test Fixture: 0T900-1557 is recommended for this seat. The test fixture is defined in the section headed 'Special Tools, Fixtures, and Equipment' on page 901.

2. Testing

A. Tracklock Control

1. Sit in the seat and operate the control lever, then check for the following:

a. The seat base runs freely between fore and aft track stops.

b. The tracklock pins freely and fully engage the holes in the tracks, under the action of the springs.

B. Recline Control

2. Sit in the seat and operate recline control button, then check for the following:

c. The seat back can be fully reclined and will recover to the upright position when pressure is removed from the back cushion.

d. The recline mechanisms will lock the seat back in any position within the full range of travel, when the control button is released.

C. Control Lever

1. Check that the control lever requires no more than 5 lbs upward force to release the positional adjustment mechanism.

2. Operate the control lever and check for the following:

a. The upper seat (seat back structure and seat pan structure) can be moved simultaneously in the following directions: forward, aft, lateral, and rotational.

b. The upper seat moves: the full range of its forward and aft axis, coming to a halt as the result of the mechanical stops; the full range of its lateral axis, coming to a halt as the result of the mechanical stops; and rotates 360°. All movement is smooth and quiet.

c. When the control lever is released, the seat can be locked in the desired position. It may be found in some cases that rotational lock is not achievable, this is because the rotational lock pin is not able to engage in one of the predetermined locking points. If this is the case, rotate the seat to the next available locking position.

D. Armrests

1. Sit in the seat and check for the following:

a. The armrests can be stowed and deployed with ease.

b. The armrests remain horizontal at all times, irrespective of seat back recline angle. When at maximum recline, the armrests can be fully stowed.

E. Headrest

1. Check that the headrest adjusts vertically and locks in all five positions, under the action of the springs and detents. Ensure the operation is smooth.

DISASSEMBLY

1.	General	302
2.	Executive Seat	303
3.	Basic Seat Assembly	306
4.	Upper Seat Assembly	307
5.	Seat Pan Structure Assembly	308
6.	Base Turntable and Mechanism Assembly	311
7.	Turntable Assembly	314
8.	Base Structure Assembly	315

DISASSEMBLY

1. General

A. Removal of Executive Seat from Passenger Compartment.

1. Refer to the appropriate Aircraft Maintenance Manual.

B. Extent of Disassembly

1. Refer to 'TESTING AND FAULT ISOLATION' to establish the condition of the component or most probable cause of its malfunction. This is to determine the extent of disassembly, so as to minimise the disassembly and rebuilding process.

C. The Viewing Point

1. The point of view when carrying out the disassembly is from the rear of the seat, looking forwards.

D. Figure and Item Numbers

1. Numbers that appear in parenthesis at the beginning of the paragraph indicate the Illustrated Parts List figure number. Numbers that appear in parenthesis in the DISASSEMBLY procedures indicate the particular item number in the Illustrated Parts List.

E. In some cases the seat upholstery will have to be removed to facilitate disassembly of that part of the seat.

2. Executive Seat (IPL: Fig 1)

A. Removal Procedures

1. Pull seat pan cushion (290) forward and upwards to remove from basic seat assembly (320).

2. Remove back cushion (275) from basic seat assembly (320).

3. Remove front base fairing (250) from base turntable and mechanism assembly (Fig 5).

4. Rear base fairing (260) is a press fit item. Remove rear base fairing (260) from brackets on base turntable and mechanism assembly (Fig 5).

5. To disassemble foamed armrest assemblies (25,20), carry out the following:

a. Remove c'sk hd screw from each (40) armrest stop (35). Then detach each foamed armrest assembly (25,20) from its position on the armrest pivot tube (210).

b. Remove two armrest pivot bearings (60) and armrest stop (35) from each foamed armrest assembly (25,20).

c. Unscrew spring plunger (30) from each foamed armrest assembly (25,20)

d. Remove armrest adjuster (45), thin nut (55), and spring washer (50) from each armrest stop (35).

6. Remove armrest trim (230), spacer (220) and bearing (215) from armrest pivot tube (210). Then remove armrest trim (230) from spacer (220).

7. Remove armrest trim (230) and short bearing (225) from armrest pivot tube (210). Then remove armrest trim (230) from short bearing (225).

8. To disassemble back fairing and foamed headrest assembly (235), carry out the following:

a. Ease back fairing outer (145) from its position on seat back structure assembly (Fig 3, item 175).

b. Operate headrest lock (Fig 3, item 220) then remove foamed headrest assembly (235) from back fairing outer (145). Next, remove back fairing outer (145)from seat back structure assembly (Fig 3, item 175) and armrest pivot tube (210).

c. Remove two headrest tube bezels (240) from back fairing outer (145).

d. Remove restraint bezel (310) from back fairing outer (145).

e. Remove five c'sk hd screws (160) from back pocket and inner pocket on back fairing inner pocket assembly (135). Then detach back pocket and inner pocket from back fairing inner pocket assembly (135).

f. Remove ten pan hd screws (165) and ten washers (325) from back fairing inner pocket assembly (135). Then separate back fairing side assemblies (155,150) and back fairing outer (145) from back fairing inner pocket assembly (135).

g. Remove four pan hd screws (165) and four washers (325) from back fairing side assemblies (155,150).

9. Remove hex hd bolt (175), two washers (180), and lock nut (185) from each armrest link connector (170). Then detach armrest pivot tube (210) from both armrest connector links (170) and seat back structure assembly (Fig 3, item 175).

10. Remove shear pin (195), two washers (205), and split pin (200) from each armrest link (190). Then detach each armrest link (190) from its appropriate armrest connector link (Fig 3, item 105).

11. Remove two pan hd screws (105) and two washers (110) from close out panel assembly (70) on basic seat assembly (320), then detach close out panel assembly (70) from basic seat assembly (320).

12. Remove hex hd bolt (80), washer (85), spacer (95), spacer (100) and lock nut (90) from each rear bracket (75). This releases two rear brackets (75) and brackets on the seat pan fairing (120).

13. To remove seat pan fairing assembly (120) and associated parts, carry out the following:

a. Remove steel pin (Fig 2, item 10), washer (Fig 2, item 15) and split pin (Fig 2, item 20) from cable on control lever adaptor (Fig 4, item 230). Then detach cable from control lever adaptor (Fig 4, item 230).

b. Remove two pan hd screws (Fig 4, item 180), two washers (Fig 4, item 185), two washers (Fig 4, item 180) and two lock nuts (Fig 4, item 195) from control lever bracket (Fig 4, item 175). Then detach control lever bracket (170) and its attached parts from seat pan structure assembly (Fig 4).

c. Remove lever housing (Fig 4, item 150) from seat pan fairing assembly (120).

d. Seat pan fairing assembly (120) is a press fit item. Remove seat pan fairing assembly (120) from its brackets on base turntable and mechanism assembly (Fig 5).

e. Refer to Diagram 1. Remove spring clip to separate button body from bezel.

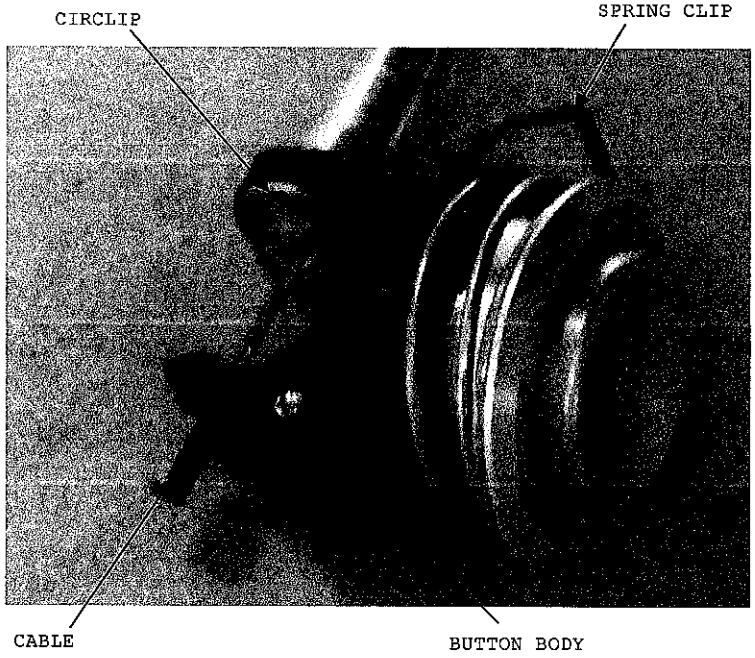


DIAGRAM 1

f. Detach bezel from seat pan fairing assembly (120).

3. Basic Seat Assembly (IPL: Fig 2)

A. Removal Procedures

1. Remove split pin (20), washer (15) and steel pin (10) from control lever adaptor (Fig 4, item 230). Then detach operating cable of base turntable and mechanism assembly (Fig 5) from control lever adaptor (Fig 4, item 230).

2. Remove pan hd screw (130) and two washers (140) from plastic wire support loop clamp (125). Then detach plastic wire support loop clamp (125) from cable part of base turntable and mechanism assembly (Fig 5).

   a. Remove tube spacer (135) from seat pan board (Fig 4, item 100).

3. Remove two pan hd screws (30), four washers (35) and two lock nuts (40) from mechanical control (25).

   a. Remove two tube spacers (45) from seat pan board (Fig 4, item 100).

4. Remove pan hd screw (105) and three washers (115) from each plastic plastic wire support loop clamp (100). Then detach plastic plastic wire support loop clamps (100) from cables belonging to mechanical control (25).

   a. Remove two tube spacers (110) from seat pan board (Fig 4, item 100).

5. Remove fixing screws from cable ends of mechanical control (25) located on the respective recline units (Fig 3, items 10,30), then remove cables.

6. Undertake the following to remove upper seat assembly (85) from base turntable and mechanism assembly (90).

   a. Remove two hex hd bolts (55), four washers (60) and two lock nuts (65) from forward/aft serrated tube (50).

   b. Remove two hex hd bolts (55), four washers (60) and two lock nuts (65) from forward/aft tube (70).

   c. Separate upper seat assembly (85) from base turntable and mechanism assembly (95) and remove four open grommets (75).

4. Upper Seat Assembly (IPL: Fig 3)

A. Removal Procedures

1. Remove hex hd bolt (15), two washers (20) and lock nut (25) from recline unit (10). Then detach recline unit (10) from seat back structure assembly (175). Next, unscrew recline unit (10) from its position on seat pan structure assembly (165).

2. Remove hex hd bolt (35), two washers (40) and lock nut (45) from recline unit (30). Then detach recline unit (30) from seat back structure assembly (175). Next, unscrew recline unit (30) from its position on seat pan structure assembly (165).

3. Remove two hex hd bolts (85), four washers (90) and two lock nuts (95) from back pivot tube (80). Then detach lap belt anchor bracket (100).

4. Remove hex hd bolt (55), two washers (60) and lock nut (65) from anchor lap belt (50).

5. Remove hex hd bolt (110), two washers (115) and lock nut (120) from two armrest connector links (105).

6. Withdraw back pivot tube (80) from seat back structure assembly (175) and seat pan structure assembly (165). Then retain the following: lap belt anchor (50), two armrest connector links (105), lap belt anchor (100), two thin washers (125), bearing (130), bearing (135) and bearing (140).

7. Remove the following from seat back structure assembly (175):

a. Remove four hex hd bolts (185) and four washers (190) from headrest guide block (180) to detach headrest guide block (180). Next, remove split pin (250), washer (245) and shear pin (240) from each collar (235) in headrest guide block (180) to release: collar (235), compression spring (255) and headrest detent (260) from each side of headrest guide block (180).

b. Remove split pin (200), washer (205) and shear pin (210). Then detach latch (195) and torsion spring (215).

c. Remove two pan hd screws (225), two washers (230). Then detach headrest lock (220).

5. Seat Pan Structure Assembly (IPL: Fig 4)

A. Removal Procedures

1. To disassemble lever housing (150) and its attached parts, carry out the following:

a. Remove two pan hd screws (180), two washers (185), two washers (190), two lock nuts (195) from control lever bracket (175). Then remove control lever bracket (175) and two tube spacers (200) from seat pan board (100).

b. Remove two pan hd screws (150), two washers (155) and two lock nuts (160) from lever housing (150). Then detach lever housing (150) from control lever bracket (175)

c. Remove split pin (245), washer (240) and steel pin (235) from control lever adaptor (230). Then detach control lever adaptor (230) from lever (210).

d. Remove split pin (225), washer (220) and steel pin (215) from lever (210). Then detach lever (210) from lever housing (150).

2. Remove two pan hd screws (105) two washers (110) and two tube spacers (115) from seat pan board (100).

3. Remove split pin (20) and washer (15) from each seat pan trunnion (10). Next, detach each seat pan trunnion (10) from its respective side member (125,120) and seat pan support trunnion (25).

4. Remove spirol spring pin (30) from each seat pan support trunnion (25). Next, detach one seat pan support trunnion (25) from its location on seat pan tube (35), the other remains in place until the seat pan tube (35) is removed.

5. Remove two spirol spring pins (40) from seat pan tube (35). Next, withdraw seat pan tube (35) from its location on seat pan structure assembly (5), along with seat pan support trunnion (25).

6. Undertake the following to remove forward seat pan tube (55) and associated parts from seat pan board (100):

a. Remove spirol spring pin (50) from collar (45). Then detach collar (45) from seat pan forward tube (55).

b. Remove two spirol spring pins (60) from seat pan forward tube (55). Next, withdraw seat pan forward tube (55) from seat pan forward pivots (70). Finally, remove both seat pan side members (125,120).

c. Remove two pan hd screws (75), four washers (80) and two lock nuts (85) from each seat pan forward pivot (70). Next, detach both seat pan forward pivots (70) and associated spacer tubes (90) from seat pan board (100).

d. Remove two dome hd rivets (140) from each seat pan bracket (135,130). Next detach seat pan brackets (135,130) from seat pan board (100).

7. Remove two pan hd screws (250) and two washers (255) from seat pan forward support (265). Then detach seat pan forward support (265) and seat pan fairing centre bracket (245) from seat pan front bracket (270). Finally, repeat this procedure for other seat pan forward support (265) and seat pan fairing centre bracket (245).

8. Remove two pan hd screws (280), two washers (290), two washers (285) and two lock nuts (295) from seat pan front bracket (275). Next remove seat pan front bracket (275) and two tube spacers (300) from seat pan board (100). Finally, repeat this procedure for other seat pan front bracket (275).

9. Remove two pan hd screws (315) and two washers (320) from seat pan side bracket (310). Then detach seat pan side bracket (310) and two tube spacers (325) from seat pan board (100).

10. Remove two pan hd screws (335) and two washers (340) from seat pan side bracket (330). Then detach seat pan side bracket (330) and two tube spacers (345) from seat pan board (100).

11. Remove two pan hd screws (355) and two washers (360) from seat pan bracket (350). Then detach seat pan bracket (350) and two tube spacers (365) from seat pan board (100).

12. Remove two pan hd screws (380) and two washers (385) from seat pan side bracket (375). Then detach seat pan side bracket (375) and two tube spacers (390) from seat pan board (100).

13. Remove two pan hd screws (405) and two washers (410) from seat pan side bracket (400). Then detach seat pan side bracket (400) and two tube spacers (415) from seat pan board (100).

14. Remove two pan hd screws (430), two washers (435) and two lock nuts (440) from cable anchor bracket (425). Then detach cable anchor bracket (425) and two tube spacers (445) from seat pan board (100).

6. Base Turntable and Mechanism Assembly (IPL: Fig 5)

A. Removal Procedures

1. Remove split pin (405), washer (400), and steel pin (395) to detach operating cable (380) from operating cable main fitting (245).

2. Remove split pin (25), washer (20), and steel pin (15) from cable end fitting (10). Next, remove thin nut (40) and washer (45) from mechanism cable (30). Finally, detach mechanism cable (35), cable end fitting (10), and compression spring (30) from base turntable mechanism assembly (5).

3. Remove split pin (65), washer (60), steel pin (55) from single lug forward/aft link (50). Next, remove split pin (85), washer (80), and steel pin (75) from double lug forward/aft link (70). Finally, detach single forward/aft link (50) and double forward/aft link (70) from tapered forward/aft bearing carrier (135).

4. Remove split pin (110), washer (105), two washers (100), and steel pin (95) from each forward/aft serrated block (90). Next, detach forward/aft serrated blocks (90) from respective link (70,50).

5. Remove two hex hd bolts (140), four washers (145), and two lock nuts (150) from forward/aft tapered bearing carrier (135). Next, detach forward/aft tapered bearing carrier (135) and two spacers (165) from both lateral serrated tube (275) and lateral tube (160).

6. Remove two hex hd bolts (120), four washers (125), and two lock nuts (130) from forward/aft bearing carrier (115). Next, detach forward/aft bearing carrier (115) and two spacers (165) from lateral serrated tube (275) and lateral tube (160).

7. Remove lateral serrated tube (275) and lateral tube (160) from turntable assembly (485).

8. Remove two extension springs (170) from spring anchor bracket (190), then remove two pan hd screws (195) and two washers (200) to detach spring anchor bracket (190) from turntable assembly (485).

9. Remove split pin (185), washer (180), and special shear pin (175) to release other ends of extension springs (170).

10. Undertake the following to remove double lug lateral link (230), single lug lateral link (280), and lateral serrated blocks (205):

    a. Remove split pin (295), washer (290), and steel pin (285) from single lug lateral link (280). Next, detach single lug lateral link (280) and associated lateral serrated block (205) from base turntable and mechanism assembly (5).

    b. Remove split pin (225), washer (220), two washers (215), and steel pin (210) to detach lateral serrated block (205) from double lug lateral link (230).

    c. Remove split pin (270), two washers (265), and steel pin (260) from operating cable main fitting (255). Next, remove split pin (245), washer (240), and steel pin (235) from double lug lateral link (230). Finally, remove double lug lateral link (230) and lateral serrated block (205) from operating cable main fitting (255).

    d. Remove split pin (220), washer (215), two washers (210), and steel pin (205) to detach lateral serrated block (200) from double lug lateral link (225).

11. Undertake the following to remove the cable pulleys (430) and associated parts as a mechanism:

    a. Remove split pin (315), washer (310), and steel pin (305) from rotation lock pin link (300). Next, remove four hex hd bolts (375), eight washers (380), and four lock nuts (385). Next, detach upper support plate (370), lower support plate (365), and associated parts from turntable assembly (485).

    b. Remove hex hd bolt (415), two washers (420), and lock nut (425) from each collar (410). Next, detach the four collars (410) from the mechanism.

    c. Remove two split pins (445), two washers (440), and two steel pins (435) from each cable pulley (430). Next, detach the following: two cable pulleys (430), two short collars (455), and two long collars (450) from the mechanism.

    d. Remove split pin (470), washer (465), long collar (475), short collar (480) and steel pin (460). Next, detach operating cable main fitting (255), upper support plate (370), and lower support plate (365) from mechanism.

    e. Remove split pin (340), washer (330), and steel pin (325) from rotation lock pin link (300) and operating cable main fitting (255). Next, separate the following from each other: cable pulley (320), collar (335), and rotation lock pin link (300).

12. Remove spirol spring pin (350) from rotation lock pin collar (345). Next, withdraw rotation lock pin (355) and detach rotation lock pin collar (345) and compression spring (360).

13. Remove the following to detach turntable assembly (485) and two base fairing side brackets (540): two c'sk hd screws (490), two washers (495), and two lock nuts (500), two c'sk hd screws (505) and two c'sk hd screws (510).

14. Remove two c'sk hd screws (520) from cable anchor bracket (515). Then detach cable anchor bracket (515) from the turntable assembly (485).

7. Turntable Assembly (IPL: Fig 6)

A. Removal Procedures

1. Remove four linear bearings (35) from inner ballrace (10).

2. Remove two hex hd bolts (65), four washers (70), and two lock nuts (75) to detach angle support plate (60).

3. Remove two hex hd bolts (45), four washers (50), and two lock nuts (55) to detach angle support plate (40).

4. Drive out spirol spring pin (20) then unscrew plug (15).

CAUTION 1: SUPPORT INNER AND OUTER BALLRACES AS THEY WILL GRADUALLY SEPARATE WITH THE REMOVAL OF ITEM (25).

5. Remove precision ball (25) from slot in outer ballrace (5).

6. Rotate inner ballrace (10) to enable retrieval of precision ball (25).

7. Repeat procedures 5 and 6 until all twenty-four precision balls (15) have been removed.

8. Remove ball bearing retainer (30).

8. Base Structure Assembly (IPL Fig 7)

A. Removal Procedures

1. Remove pan hd screw (180), washer (185), and spring stand off (190) from each extension sprint (175). Next, detach other end of extension spring (175) from steel pin (200).

2. To detach each set of track rollers, carry out the follwing;

   a. Remove roller pin (300), washer (305), and split pin (310) from each track roller (295). Then detach two track rollers (295) and four spacers (315) from their position on the base track member (240).

   b. Repeat procedure 'a' for other set of track rollers (295) on that track member (240).

3. Repeat procedure 2 for other track member (240).

4. Remove two hex hd bolts (285) and two washers (290) from each set of claw plates (280) on base track member (240). Then detach two sets of claw plates (280).

5. Repeat procedure 4 for other track member (240).

NOTE: After undertaking procedure 6, it may be found that extra washers (260) have been used

6. Remove two hex hd bolts (245), four washers (250), and two lock nuts (255) from each base side member (320). Then detach the following: base track members (240), two base fairing brackets(275), bracket (265) and base fairing bracket (275).

7. Remove split pin (210), washer (205) and steel pin (200) from each tracklock pin (195). Next, detach tracklock pin (195) from each lever (100).

8. Remove hex hd bolt (105), two washers (110) and lock nut (115) from each lever (100). Next, withdraw track control tube (125) with attached parts (135,155,165) which will release the following: levers (100) and tube spacer (130).

9. Remove hex hd bolt (140), two washers (145) and lock nut (150) to release tube lever (135) from track control tube (125). Next remove c'sk hd screw (170) to release control knob (165) from lever control knob (155). Finally drive out spirol spring pin (160) to release lever control rod (155) from tube lever (135).

10. Remove two hex hd bolts (225) and two washers (230) from each bearing block (220). Then detach each bearing block (220) from its base side member (320).

    a. If bearing blocks (220A) are used, remove bearing blocks (220A) and two bearings (325).

11. Remove 4 hex hd bolts (35), eight washers (40) and four lock nuts (45) from one of the tubes (30). Then detach this tube (30) from its end fittings (5) which are attached to the base side members (320).

12. Remove two hex hd bolts (35), four washers (40) and two lock nuts (45); two hex hd bolts (50), four washers (40), two lock nuts (45) and two base fairing rear brackets (60,55) from remaining tube (30). Then detach this tube (30) from its end fittings (5) which are attached to the base side members (320).

13. Remove hex hd bolt (75), two washers (85) and lock nut (85) from base mounting block (70) on tube (30). Then detach mounting block (70) from tube (30).

14. Remove hex hd bolt (90), two washers (80) and lock nut (85) from base fairing rear bracket (95) and mounting block (70) on the remaining tube (30). Then detach base fairing rear bracket (95) and mounting block (70) from this tube (30).

15. Remove c'sk hd screw (10) and washer (15) from each end fitting (5). Then detach end fittings (5) from base side members (320).

16. Remove two c'sk hd screws (25) from each bearing retainer (20). Then detach bearing retainers (20) and plain bearings (65) from base side members (320).

CLEANING

IMPORTANT: THE SEAT UPHOLSTERY CONFORMS TO FAR 25.853 AND EUROPEAN AVIATION SAFETY AGENCY CS 25.562.

IT IS THE RESPONSIBILITY OF THE OPERATOR TO ENSURE THAT THE CLEANING PROCESSES AND MATERIALS USED DO NOT DESTROY OR SERIOUSLY AFFECT THE FLAME RETARDANT PROPERTIES OF THE UPHOLSTERY.

1. Executive Seat

A. General

1. Stains and dust should be removed as soon as possible, since the difficulty of removing old stains and dirt might cause damage to the materials concerned.

2. Wherever possible, vacuum cleaning should be employed or the upholstery removed for commercial dry cleaning, if stained or ingrained with dirt.

3. Plastic surfaces may be cleaned using a diluted liquid detergent, providing it does not affect the plastic part. The method of application and precautions required should be in accordance with the manufacturer's information.

a Refer to Table 1 for the appropriate liquid detergent.

4. Painted surfaces may be cleaned using a degreasing solvent or a diluted detergent, providing it does not affect the properties of the painted part. The method of application and precautions required should be in accordance with the manufacturer's information.

a. Refer to Table 1 for the appropriate liquid detergent.

b. A recommended degreasing solvent is provided in Table 1. An equivalent can be used if the recommended product is not available.

TABLE 1

MATERIAL	PRODUCT NAME	MANUFACTURER
Degreasing Solvent	PFQD Degreaser Solvent	PT Technologies Europe Meenane Watergrasshill Cork Ireland
Liquid Detergent		Any suitable commercially available product.

CHECK

1. Check List 1

A. It is recommended that the following checks are carried out at the Aircraft 'A' check, or at intervals of one month, whichever is the most suitable:

1. Overall cleanliness of the seat.

2. Visually inspect seat pan cushion for cleanliness and damage.

a. It is recommended that the seat pan cushion supplied as part of the seat is replaced 3 years from date the seat entered service.

b. For a seat pan cushion supplied as a replacement i.e. not supplied as part of the seat, it is recommended that it is replaced 3 years from the date it was installed on the seat.

3. Visually inspect seat back cushion cover for cleanliness and damage.

4. Visually inspect headrest cushion cover for cleanliness and damage.

5. Recline Control

a. Sit in the seat and operate recline control button, then check for the following:

1. The seat back can be fully reclined and will recover to the upright position when pressure is removed from the back cushion.

2. The recline unit will lock the seat back in any position within its travel, when the control button is released.

6. Tracklock Control

a. Sit in the seat and operate the control lever, then check for the following:

1. The seat base runs freely between fore and aft track stops.

2. When the control is released, the tracklock pins freely and fully engage the holes in the tracks and halt the seat in the desired position.

7. Seat Movement Control Lever

a. Check that the control lever requires no more than 5lbs upward force to release the positional adjustment mechanism.

b. Operate the control lever and check for the following:

1. The seat can be moved simultaneously in the following directions: forward, aft, lateral, and rotational.

2. The seat can be moved: the full range of its forward and aft axis, coming to a halt as the result of the mechanical stops; the full range of its lateral axis, coming to a halt as the result of the mechanical stops; and rotates 360°. All movement is smooth and quiet.

3. When the control lever is released, the seat can be locked in the desired position. It may be found in some cases that rotational lock is not achievable, this is because the rotational lock pin is not able to engage in one of the predetermined locking points. If this is the case, rotate the seat to the next available locking position.

8. Armrests

a. Check armrests can be stowed and deployed with ease, at any recline angle of the seat back.

b. The armrests remain horizontal at all times, irrespective of seat back recline angle.

9. Headrest

a. Check that the headrest adjusts vertically and locks in all five positions, under the action of the springs and detents. Ensure the operation is smooth.

2. Check List 2

It is recommended that the following checks are carried out when the seat is not installed on aircraft.

1. Visually check for distortion which could affect the seat's operating functions; if found report problem to IPECO for remedial action.

2. Visually inspect for cracks in tubes and structural parts; if found report problem to IPECO.

3. Visually inspect for dents which could be detrimental to the operation of the seat.

4. Visually check condition of all cables, damage to the inner component of a control cable is not permissible.

INTENTIONALLY BLANK

REPAIR

IMPORTANT: UNAUTHORISED REPAIRS MUST NOT BE CARRIED OUT ON THE SEAT OR ITS COMPONENTS, AS THIS MAY AFFECT THE SAFETY OF THE SEAT.

1. Executive Seat Repair

IMPORTANT: REFER TO INFORMATION PROVIDED ON 'INTRO-2' PAGE.

A. General

1. Standard repairs to the seat are confined to the replacement of parts which fail the checks set out in the CHECK SECTION.

B. Seat Structure Repairs

1. Due to the size and critical nature of the seat structure, it is not possible to include in this manual standard repair schemes which can be applied to the seat structure.

2. In the event of damage to the seat structure, the operator shall send details (sketches, digital photographs, etc.) of the damage to IPECO. If the damage is deemed repairable, IPECO will furnish the operator with the necessary repair scheme and instructions to enable the operator to carry out the repair.

INTENTIONALLY BLANK

ASSEMBLY

1.	General	702
2.	Base Structure Assembly	703
3.	Turntable Assembly	705
4.	Base Turntable and Mechanism Assembly	706
5.	Seat Pan Structure Assembly	712
6.	Upper Seat Assembly	714
7.	Basic Seat Assembly	717
8.	Executive Seat	719
9.	Storage of Executive Seat	723
10.	Installation of Executive Seat on Aircraft	723

ASSEMBLY

1. General

A. The Viewing Point

1. The point of view when carrying out the assembly is from the rear of the seat, looking forward.

B. Figure and Item Numbers

1. Numbers that appear in parenthesis at the beginning of the paragraph, indicate the Illustrated Parts List figure. Numbers that appear in parenthesis in the Assembly procedures, indicate the particular item in the Illustrated Parts List.

C. Lubrication

1. General Requirement

a During initial assembly, ensure serviceable bearings and working parts are lubricated with Aeroshell6 grease or an equivalent grease may be used.

b Lubrication of new parts should not be necessary; however, if a mechanism appears unduly stiff, Aeroshell6 grease or an equivalent grease may be used.

c The Vendor code for Aeroshell grease is U5F65. Refer to heading 'D. Vendor Codes' on page 1003 for further information.

2. Specific Requirement

a Components that come under this category will be mentioned in the applicable assembly procedure with the appropriate lubrication.

D. Torque Settings and Lock Nuts

1. Refer to 'FITS AND CLEARANCES' section, page 801 for torque settings and other related information.

E. Materials

1. Materials required for assembly which have no part number shall have the appropriate Vendor code supplied in brackets. Refer to heading 'D. Vendor Codes' page 1003 for further information.

2. Base Structure Assembly (IPL: Fig 7)

A. General

1. Materials required for assembly are listed in Table 1.

2. It is recommended that all lock nuts listed in Table 1, having been removed are replaced with new.

3. Lightly lubricate all moving parts with the grease listed in Table 1.

TABLE 1

ITEM NUMBER	PART NUMBER	NOMENCLATURE	QTY
45,85	H14-3	NUT, LOCK 10-32UNF	10
115,150	H14L08	NUT, LOCK 8-32UNC	3
255	H14-5	NUT, LOCK 8-32UNC	8
160	1A500-0648	PIN, SPIROL SPRING	1
	AEROSHELL6	GREASE OR AN EQUIVALENT [U5F65]	A/R
210	SP90C3	PIN, SPLIT 1:16 x 0.375	2
310	SP90C4	PIN, SPLIT 1:16 x 0.50	8

B. Assembly Procedures

1. Secure four sets of claw plates (280) to two track base members (240) using four hex hd bolts (285) and four washers (290) for each set of claw plates (280).

2. Locate track roller (295) and two spacers (315) in a set of claw plates (280). Next, attach track roller (295) and spacers (315) using roller pin (300), washer (305) and split pin (310). Finally, repeat this procedure for other track roller (295) and spacers (180).

3. Repeat procedures 3 for other sets of claw plates (280).

4. Locate bearing (325) in each bearing block (220A), then secure bearing block (220A) to each track base member (240) using two hex hd bolts (225) and two washers (230).

5. Attach trackloack pin (195) to each lever (100) using shear pin (200), washer (205) and split pin (210) for each tracklock pin (195), Then locate each tracklock pin (195) in its respective track pin bush (215).

6. Secure Control knob (165) to lever control rod (155) using c'sk hd screw (170). Next, secure lever control rod (155) to tube lever (135) using spirol spring pin (160).

7. Insert track control tube (125) through bearing blocks (220), two levers (100), tube spacer (130) and tube lever (135). Then secure items (100,135) in position using the following: hex hd bolt (105), two washers (110) and lock nut (110) for each lever (100); hex hd bolt (140), two washers (145) and lock nut (150) for tube lever (135).

8. Locate extension spring (175) on spring stand off (190), then secure spring stand off (190) to base track member (240) using pan hd screw (180) and washer (185). Finally attach other end of extension spring (175) to shear pin (200).

9. Repeat procedure 9 for other extension spring (175).

10. Fit plain bearing (65) to the base side member (320).

11. Locate bearing retainer (20) over plain bearing (65) on base side member (320), then secure in position using two c'sk hd screws (25).

12. Position end fitting (5) in bearing retainer (20) and plain bearing (65), then secure in position using c'sk hd screw (10) and washer (15).

13. Repeat procedures 10, 11 and 12 for other end of base side member (320).

14. Repeat procedures 10 to 13 for other base side member (320).

15. Locate mounting block (70) on tube (30), then secure in position using hex hd bolt (75), two washers (80) and lock nut (90).

16. Locate other mounting block (70) and base rear fairing bracket (95) on the other tube (30). Then secure mounting block (70) and base rear fairing bracket (95) in position using hex hd bolt (90), two washers (80) and lock nut (85).

17. Locate each tube (30) on the appropriate end fittings (5) of base side member (320). Then secure one of the tubes (30) using four hex hd bolts (35), eight washers (40) and four lock nuts (45). For the other tube (30) locate an upper fairing bracket (60)/(55) in the appropriate position on the tube (30). Then secure each bracket (60)/(55) and tube in position using the following: hex hd bolt (50), two washers (40) and lock nut (45).

18. Locate base side members (320) on base track members (240), then secure together using four hex hd bolts (245), eight washers (250) and four lock nuts (255). During this procedure, secure in position two base fairing brackets (275), bracket (265) and base fairing bracket (270).

19. If play exists between base track members (240) and base side members (320), fit washers (260) to eliminate play.

3. Turntable Assembly (IPL: Fig 6)

A. General

1. Materials required for assembly are listed in Table 2.

2. It is recommended that all pins and lock nuts listed in Table 2, having been removed are replaced with new.

TABLE 2

ITEM NUMBER	PART NUMBER	NOMENCLATURE	QTY
55,75	H14-3	NUT, LOCK 10-32UNF	4
20	1A500-0644	PIN, SPIROL SPRING 3:32 X 0.75	1
90	1A500-0639	PIN, SPIROL SPRING 3:32 X 0.25	1
	LOCTITE 638	ADHESIVE OR AN EQUIVALENT [U0406]	A/R
	AEROSHELL6	GREASE OR AN EQUIVALENT [U5F65]	A/R

B. Assembly Procedures

1. Apply Loctite 638 adhesive to the housings on the inner ballrace (10) where four bearings (35) are then located, fit four linear bearings (35).

2. Lubricate both inner and outer ballraces (10,5) with grease listed in Table 1. Then offer inner ballrace (10) up to outer ballrace (5) with ball bearing retainer (30) positioned between both ballraces (10,5).

3. Locate a precision ball (25) in opening in outer ballrace (5) and then rotate inner ballrace (10) for next precision ball (25).

4. Carry out procedure 3 until all twenty-four precision balls (25) are located, then screw plug (15) into opening in outer ballrace (5) and secure plug (15) using spirol spring (20).

5. Secure angle support plate (40) to inner ballrace (10) using two hex hd bolts (45), four washers (50) and two lock nuts (55).

4. Base Turntable and Mechanism Assembly (IPL: Fig 5)

A. General

1. Materials required for assembly are listed in Table 3.

2. It is recommended that all pins and lock nuts listed in Table 3, having been removed are replaced with new.

TABLE 3

ITEM NUMBER	PART NUMBER	NOMENCLATURE	QTY
25, 65, 85, 110, 185, 225, 245, 270, 295, 315, 340, 445, 470, 905	SP90C3	PIN, SPLIT 1:16 X 0.375	17
130, 150, 385, 425	H14-3	NUT, LOCK 10-32UNF	12
500	H14-5	NUT, LOCK 5:16UNF	2
350	2A500-0844	PIN, SPIROL SPRING 1:16 X 0.63	1
	AEROSHELL6	GREASE OR AN EQUIVALENT [U5F65]	A/R
	LOCTITE 222	ADHESIVE OR AN EQUIVALENT [U0406]	A/R
	LOCTITE 638	ADHESIVE OR AN EQUIVALENT [U0406]	A/R

B. Assembly Procedures

1. Locate cable anchor bracket (515) on turntable assembly (485), then secure in position using two c'sk hd screws (520).

2. Secure turntable assembly (485) to base structure assembly (535) using two c'sk hd screws (490), two washers (495) and two lock nuts (500); two c'sk hd screws (505); and two c'sk hd screws (510).

3. Locate rotation lock pin (355), compression spring (360) and rotation lock pin collar (345) in appropriate positions on turntable assembly (485). Next, secure rotation lock pin collar (345) in place using spirol spring pin (350).

4. Attach lateral serrated block (205) to double lug lateral link (230) using steel pin (210), two washers (215), washer (220) and split pin (225).

5. Attach lateral serrated block (205) to single lug lateral link (280) using steel pin (210), two washers (215), washer (220) and split pin (225).

6. Attach double lug lateral link (230) to operating cable main fitting (245) using steel pin (260), washer (265) and split pin (270).

7. Locate the following on the operating cable main fitting (255), rotation lock pin link (300), cable (35), cable pulley (320) and collar (335). Next, secure (300,35,320,335) in position using steel pin (325), washer (330) and split pin (340).

8. Undertake the following using Diagram 1 as an aid:

   a. Locate steel pin (460), two steel pins (435), four hex hd bolts (415) and four washers (420). Next, place these assembled items on a bench.

   b. Locate the following as stated: short collar (455), cable pulley (430) and long collar (450) on each steel pin (435); collar (480), operating cable main fitting (255) and long collar (475) on steel pin (460).

   c. Locate collar (410) on each of the four hex hd bolts (415).

   d. Locate lower support plate (365) on hex hd bolts (415), steel pins (435) and steel pin (460). Then secure lower support plate (365) in position using the following: four lock nuts (425), four washers (420), two split pins (445), two washers (440), split pin (470) and washer (465).

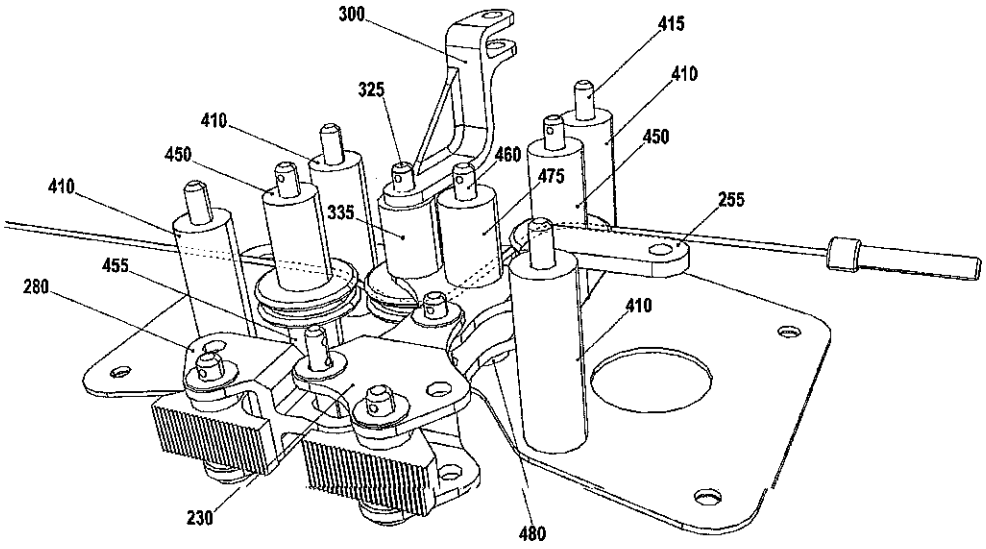


DIAGRAM 1

9. Fit seat lock cable (380) into cable anchor bracket (505) on turntable assembly (475), then attach operating cable (390) to operating main cable main fitting (255) using steel pin (395), washer (400) and split pin (405).

10. Locate cable pulleys (430) and associated parts on the turntable assembly (485). Next, secure upper support plate (370) to turntable assembly (485) using four hex hd bolts (375), eight washers (380) and four lock nuts (385).

11. Attach rotation lock pin link (300) to rotation lock pin (355) using steel pin (305), washer (310) and split pin (315).

12. Attach double lug lateral link (230) and associated lateral serrated block (205) to turntable assembly (485) using steel pin (235), washer (240) and split pin (245). Refer to Diagram 2.

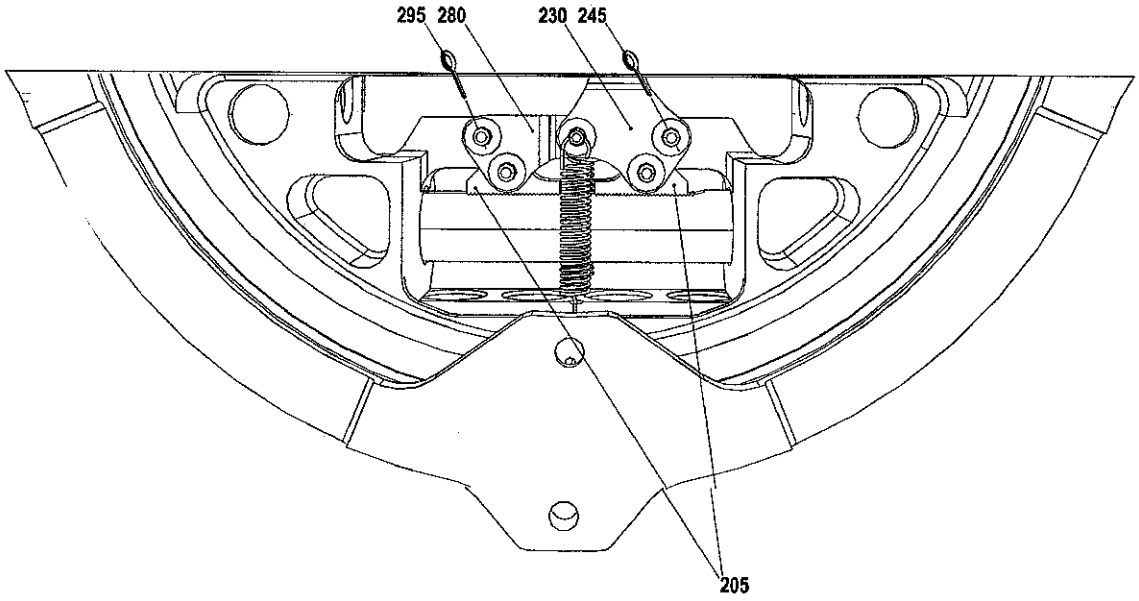


DIAGRAM 2

13. Attach single lug lateral link (280) and associated lateral serrated block (205) to turntable assembly (485) using steel pin (285), washer (290) and split pin (295). Refer to Diagram 2.

14. Attach two extension springs (170) to spring anchor bracket (190).

15. Attach double lug lateral link (230) and single lug lateral link (280) to each other using special shear pin (175), washer (180) and split pin (185). Next, attach other ends of extension springs (170) to special shear pin (175).

16. Operate seat lock cable (390) and locate lateral serrated tube (275) in its appropriate position on turntable assembly (485). Next locate lateral tube (160) in its appropriate position on turntable assembly (485).

17. Fit two spacers (165) to each tube (275,160).

18. Locate four linear ball bearings (155) in respective positions on forward/aft bearing carriers (115,135).

19. If fitting new components: apply Loctite 638 adhesive to two sleeves (525). Next, insert a sleeve (525) into lateral serrated tube (275) and lateral tube (160). Ensure bolt holes of items (525,275,160) are aligned.

20. Secure forward/aft bearing carriers (115,135) to lateral serrated tube (275) and lateral tube (160) using the fixings associated with each bearing carrier (115,135): two hex hd bolts (120), four washers (125) and two lock nuts (130); two hex hd bolts (140), four washers (145), and two lock nuts (150).

21. Attach one end of mechanism cable (35) to forward/aft bearing carrier (115) using two thin nuts (40) and washer (45).

22. Fit compression spring (30) to cable end fitting (10), then locate items (30,10) on forward/aft bearing carrier (115). Next, fit mechanism cable (35) to cable end fitting (10).

23. Attach forward/aft serrated blocks (90) to single lug forward/aft link (50) and double lug forward/aft link (70) using steel pin (95), two washers (100), washer (105) and split pin (110) per serrated block (90).

24. Attach single lug and double lug forward/aft links (50,70) and attached parts to forward/aft tapered bearing carrier (135) using steel pin (55), washer (60), split pin (65), steel pin (75), washer (80) and split pin (85).

25. Attach single lug forward/aft link (50), double lug forward/aft link (70), and cable end fitting (10) using the following: steel pin (15), washer (20) and split pin (25).

26. Adjust mechanism cable (35) to dimension shown in Diagram 3, then secure mechanism cable (35) using Loctite adhesive 222. Next, adjust thin nuts (40) to eliminate play in mechanism cable (35), without the mechanism cable (35) acting upon the mechanism.

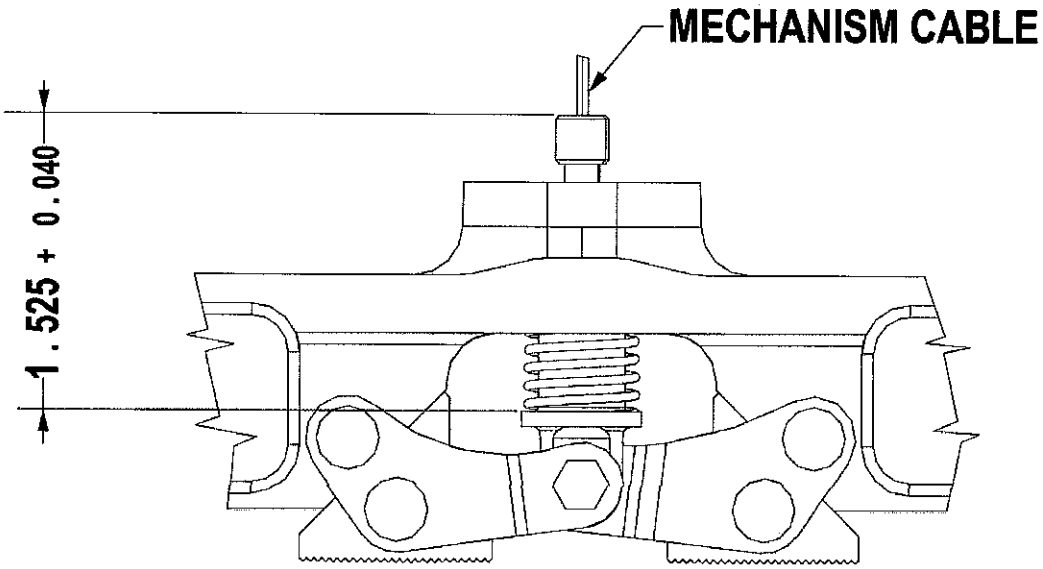


DIAGRAM 3

5. Seat Pan Structure Assembly (IPL: Fig 4)

A. General

1. Materials required for assembly are listed in Table 4.

2. It is recommended that all pins and lock nuts listed in Table 4, having been removed are replaced with new.

TABLE 4

ITEM NUMBER	PART NUMBER	NOMENCLATURE	QTY
20	SP90E10	PIN, SPLIT 1:32 X 1.250	2
225, 245	SP90C3	PIN, SPLIT	2
30, 40, 50, 60	1A500-0667	PIN, SPIROL SPRING 5:32 X 1.50	7
85, 165, 195, 295, 440	H14-3	NUT, LOCK 10-32UNF	12
140	AGS2050-540BS	RIVET, DM HD 5:32 X 0.40	4

B. Assembly Procedures

1. Locate two tube spacers (445) on seat pan board (100). Then locate cable anchor bracket (425) over the position of the tube spacers (445). Next, secure cable anchor bracket (425) in position using two pan hd screws (430), two washers (435) and two lock nuts (440).

2. Locate two tube spacers (415) on seat pan board (100), then locate seat pan side bracket (400) over the position of the tube spacers (415). Next, secure seat pan side bracket (405) in position using two pan hd screws (400) and two washers (410).

3. Locate two tube spacers (390) on seat pan board (100), then locate seat pan side bracket (375) over the position of the tube spacers (390). Next, secure seat pan side bracket (375) in position using two pan hd screws (380) and two washers (385).

4. Locate two tube spacers (365) on seat pan board (100), then locate seat pan bracket (350) over the position of the tube spacers (360). Next, secure seat pan bracket (350) in position using two pan hd screws (355) and two washers (360).

5. Locate two tube spacers (345) on seat pan board (100), then locate seat pan side bracket (330) over the position of the tube spacers (345). Next, secure seat pan side bracket (330) in position using two pan hd screws (335) and two washers (340).

6. Locate two tube spacers (325) on seat pan board (100), then locate seat pan side bracket (310) over the position of the tube spacers (325). Next, secure seat pan side bracket (310) in position using two pan hd screws (315) and two washers (320).

7. Locate two tube spacers (300) on seat pan board (100), then locate seat pan front bracket (310) over the position of the tube spacers (300). Next, secure seat pan front bracket (275) in position using two pan hd screws (280), two washers (285), two washers (290) and two lock nuts (295). Finally, repeat this procedure for other seat pan front bracket (275).

8. Secure seat pan fairing centre bracket (250) and seat pan forward support (270) to seat pan front bracket (275) using two tube spacers (265), two pan hd screws (255) and two washers (260). Finally, repeat this procedure for other seat pan fairing centre bracket (250) and seat pan forward support (270).

9. Secure seat pan bracket (135,130) to appropriate seat pan side member (125,120) using two dome hd rivets (140) for each seat pan bracket (135,130).

10. Locate two tube spacers (90) on seat pan board (100), then locate seat pan forward pivots (70) over the position of the tube spacers (90). Next, secure seat pan forward pivots (70) to seat pan board (100) using two pan hd screws (75), four washers (80) and two lock nuts (85) for each seat pan forward pivot (70).

11. Undertake the following to attach seat pan side members (125,120) and seat pan forward tube (55):

    a. Pass seat pan forward tube (55) through seat pan forward pivots (70) and seat pan side members (100).

    b. Locate a spirol spring pin (60) into front end of each seat pan side members (125,120), then secure collar (45) to the seat pan forward tube (55) using a spirol spring pin (50).

    c. Locate two tube spacers (115) on seat pan board (100). Then secure seat pan side members (125,120) to seat pan board (100) using pan hd screws (105) and two washers (110) for each seat pan side members (125,120).

12. Pass seat pan tube (35) through each seat pan side member (125,120) and seat pan trunnion supports (25). Next, secure seat pan tube (35) in position using two spirol spring pins (40). Secure seat pan trunnion supports (25) to seat pan

tube (35) using spirol spring pin (30) for each seat pan trunnion support (25).

13. Fit seat pan trunnion (10) to each seat pan trunnion support (25) and seat pan side member (125,120). Next, secure seat pan trunnions (10) in position using washer (15) and split pin (20) for each seat pan trunnion (10).

14. Locate two tube spacers (200) on seat pan board (100), then locate control lever bracket (150) over the position of the two tube spacers (200). Next, secure control lever bracket (175) using two pan hd screws (180), two washers (185), two washers (190) and two lock nuts (195).

15. Attach lever (210) to lever housing (150) using steel pin (215), washer (220) and split pin (225). Next, attach control lever adaptor (230) to lever (210) using steel pin (235), washer (240) and split pin (245).

16. Locate lever housing (150) over control lever bracket (175). Then secure lever housing (150) to control lever bracket (175) using two pan hd screws (155), two washers (1650) and two lock nuts (165).

6. Upper Seat Assembly (IPL: Fig 3)

A. General

1. Materials required for assembly are listed in Table 5.

2. It is recommended that all lock nuts listed in Table 5, having been removed are replaced with new.

TABLE 5

ITEM NUMBER	PART NUMBER	NOMENCLATURE	QTY
25, 45, 65, 95, 120, 155	H14-4	NUT, LOCK 1:4UNF	9
265	1A500-0646	PIN, SPRING 3:32 X 0.88	2
200, 250	SP90C2	PIN, SPLIT 1:16 X 0.25	3

B. Assembly Procedures

1. Fit bearings (130,135,140) in appropriate positions on seat back structure assembly (175).

2. Attach headrest guide block (180) to back structure assembly (175) with four hex hd bolts (185) and four washers (190).

3. Locate headrest detent (260), compression spring (255) and collar (235) in each side of headrest guide block (180). Next, secure collars (235) in position using shear pin (240), washer (245) and split pin (250) for each collar (235).

4. Secure headrest lock (220) on seat back structure assembly (175) with two pan hd screws (225) and two washers (230).

5. Attach latch (195) and torsion spring (215) to headrest lock (220) with shear pin (210), washer (205) and split pin (200).

6. Fit two tube spacers (285) in appropriate positions on seat back structure assembly (175), then locate pocket support bracket (270) over the tube spacers (285). Next, secure pocket support bracket (270) in position using two pan hd screws (275) and two washers (280).

7. Fit four tube spacers (285) in appropriate positions on seat back structure assembly (175), then locate pocket support hinge assembly (290) over the tube spacers (285). Next, secure pocket support hinge assembly (290) in position using four pan hd screws (295) and four washers (300).

8. Fit two tube spacers (330) in appropriate positions on seat back structure assembly (175), then locate back fairing cross bracket (315) over the two tube spacers (330). Next, secure back fairing cross bracket (315) in position using two pan hd screws (320) and two washers (330).

9. Align seat back structure assembly (175) with seat pan structure assembly (165).

10. Pass back pivot tube (80) through seat pan structure assembly (165), thin washer (125), lap belt anchor (70), thin washer (125), seat back structure assembly (175), two armrest connector links (105) and lap belt anchor (50).

11. Secure back pivot tube (80) and lap belt anchor bracket (100) using two hex hd bolts (85), four washers (90) and two lock nuts (95).

12. Secure lap belt anchor (50) in position using hex hd bolt (55), two washers (60) and lock nut (65).

13. Secure two armrest connector links (105) in position using two hex hd bolts (110), four washers (115) and two lock nuts (120).

14. Screw recline unit (30) into position on seat pan structure assembly (165), then secure other end of recline unit (30) onto seat back structure assembly (175) using hex hd bolt (35), two washers (40) and nut (45).

15. Screw recline unit (10) into position on seat pan structure assembly (165), then secure to back structure assembly (175) using hex hd bolt (15), two washers (20) and lock nut (25).

16. Adjust recline units (30,10) so that there is equal movement between each recline unit and that the angle shown in Diagram 4 can be achieved between board on seat back structure assembly (175) and board on seat pan structure assembly (165).

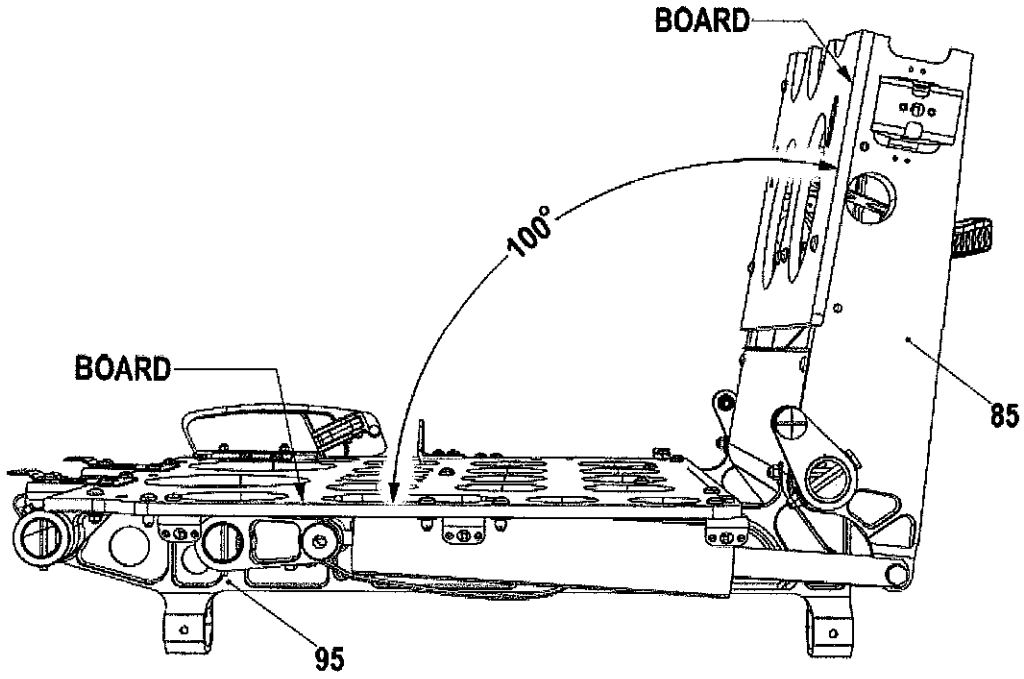


DIAGRAM 4

7. Basic Seat Assembly (IPL: Fig 2)

A. General

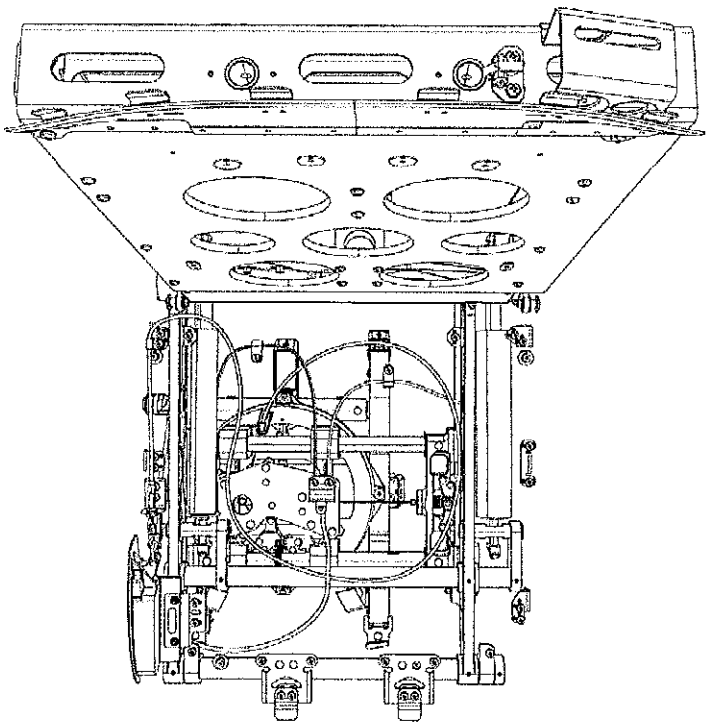
1. Materials required for assembly are listed in Table 6.

2. It is recommended that pins and lock nuts listed in Table 6, having been removed are replaced with new.

TABLE 6

ITEM NUMBER	PART NUMBER	NOMENCLATURE	QTY
40, 65, 120	H14-3	NUT, LOCK 10-32UNF	6
20	SP90C3	PIN, SPLIT 1:16 X 0.375	1

3. Refer to Diagrams 5 and 6 when undertaking the following assembly procedures and when the various cables are to be clamped in position.



VIEW FROM ABOVE.
SEAT PAN BOARD ASSY NOT SHOWN
TO ENABLE CABLE ROUTING TO BE SHOWN.

DIAGRAM 5

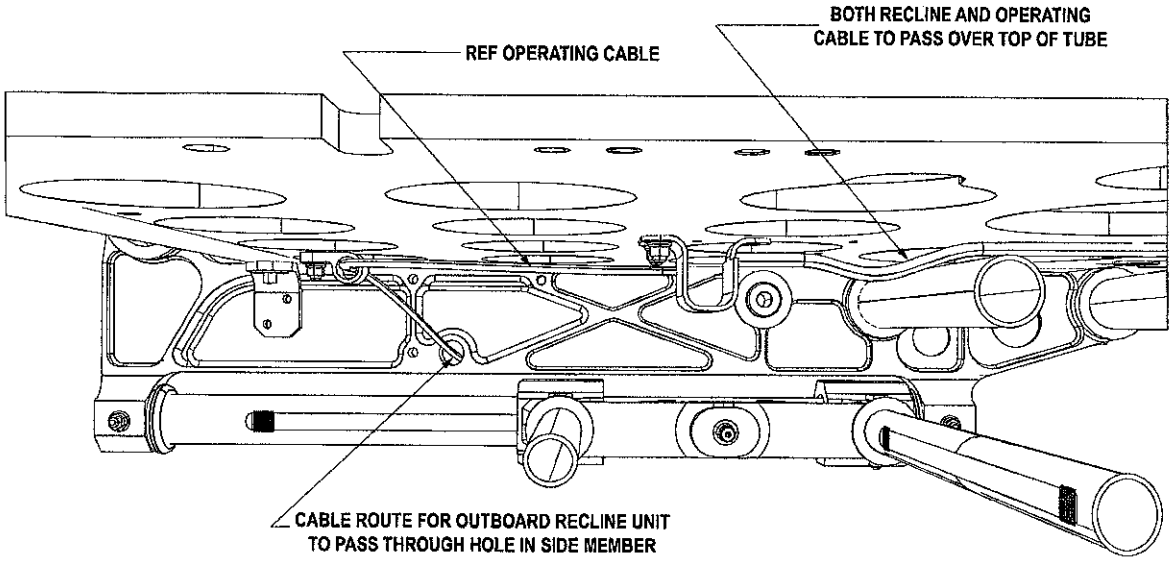


DIAGRAM 6

B. Assembly Procedures

1. Align upper seat assembly (85) with the base turntable and mechanism assembly (85), then pass forward/aft serrated tube (50) and forward/aft tube (70) through both aligned items (85,95) and open grommets (75).

2. Secure forward/aft serrated tube (50) and forward/aft tube (70) in respective positions using the two hex hd bolts (55), four washers (60) and two lock nuts (65) for each tube (50,70).

3. Fit two tube spacers (45) in appropriate positions on upper seat assembly (85). Then locate body of mechanical control (25) over the two tube spacers (45). Next, secure body of mechanical control (25) to upper seat assembly (85) using two pan hd screws (30), four washers (35) and two lock nuts (40). Finally, attach cable ends of mechanical control (25) to respective recline units (Fig 3, items 30,10) and then secure in position using the fixing screws.

4. Fit remaining cable of mechanical control (25) to the following: cable anchor bracket (Fig 4, item 425); control lever adaptor (Fig 4, item 230) using steel pin (10), washer (15) and split pin (20).

5. Fit two tube spacers (110) in appropriate positions on seat pan board (Fig 4, item 100). Then locate plastic wire loop clamps (100) on cables of mechanical control (25) on underside of seat pan board (Fig 4, item 100). Next, secure plastic wire loop clamps (100) in position using pan hd screw (105), three washers (115) and lock nut (120).

6. Fit tube spacer (135) in appropriate position on seat pan board (Fig 4, item 100). Then locate plastic wire loop clamp (125) on cable of mechanical control (25) on seat pan board (Fig 4, item 100). Then secure plastic wire loop clamp (125) in position using pan hd screw (130) and two washers (140).

8. Executive Seat (IPL: Fig 1)

A. General

1. In some cases, the seat upholstery material will have to be replaced to complete the assembly operation.

2. The following procedures refer to the 3A429-0007-101-1 seat build. Where the seat build is different to the one described, the EFF codes in the parts list need to be consulted to find the appropriate variation.

3. Materials required for assembly are listed in Table 7.

4. It is recommended that pins and lock nuts listed in Table 7, having been removed are replaced with new.

TABLE 7

ITEM NUMBER	PART NUMBER	NOMENCLATURE	QTY
90	H14-3	NUT, LOCK 10-32UNF	2
185	H14-4	NUT, LOCK 1:4UNF	2
200	SP90C4	PIN, SPLIT 1:16 X 0.50	4
	LOCTITE 638	ADHESIVE OR EQUIVALENT [U0406]	A/R

B. Assembly Procedures

1. Locate rear base fairing (260) on base turntable and mechanism assembly (Fig 5). Then press fit to secure it in position.

2. Fit front base fairing (250) to base turntable and mechanism assembly (Fig 5).

3. To fit seat pan fairing assembly (120) and associated parts, carry out the following:

   a. Refer to Diagram 7. Remove spring clip to separate button body from bezel.

   b. Fit bezel in seat pan fairing assembly (120).

   c. Install button body in bezel on seat pan fairing assembly (120). Then fit spring clip on button body.

   d. Locate lever housing (Fig 4, item 150) on seat pan fairing (120).

   e. Locate control lever bracket (Fig 4, item 175) and its attached parts over the position of the two tube spacers (Fig 4, item 200). Then secure control lever bracket (Fig 4, item 175) using two pan hd screws (Fig 4, item 180), two washers (Fig 4, item 185), two washers (Fig 4, item 190) and two lock nuts (Fig 4, item 195).

   f. Attach cable to control lever adaptor (Fig 4, item 230) using steel pin (Fig 2, item 10), washer (Fig 2, item 15) and split pin (Fig 2, item 20).

   g. Locate seat pan fairing assembly (120) on basic seat assembly (355), then press fit to secure it in position.

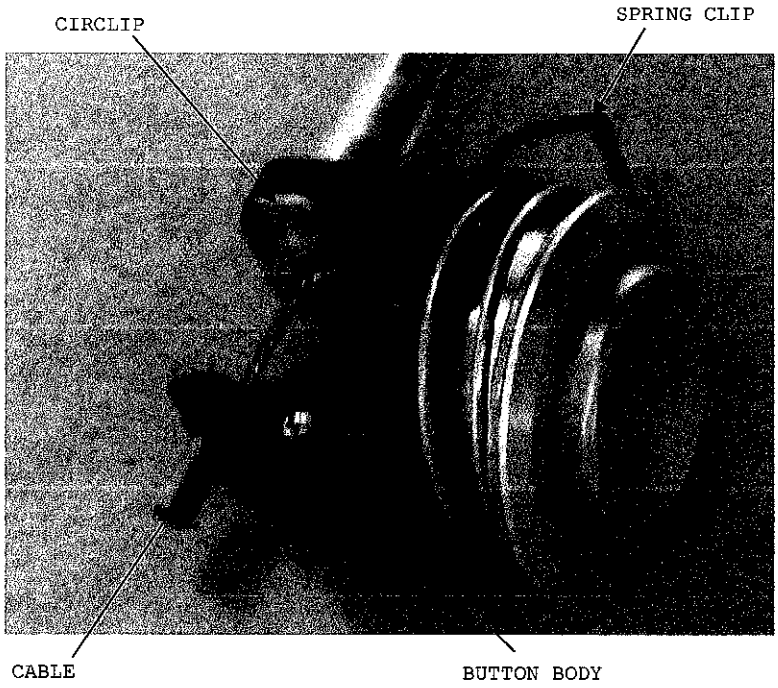


DIAGRAM 7

4. Locate on basic seat assembly (320) two rear brackets (75), along with brackets on the seat pan fairing (120). Then secure each set of brackets in position using a hex hd bolt (80), washer (85), spacer (95), spacer (100) and lock nut (90).

5. Locate close out panel assembly (70) on basic seat assembly (320), then secure in position using two pan hd screws (105) and two washers (110).

6. Attach each armrest link (190) to its appropriate armrest connector link (Fig 3, item 105) using shear pin (195), two washers (205), and split pin (200) for each armrest link (190).

7. Insert armrest pivot tube (210) through two armrest connector links (170) and back structure assembly (Fig 3, item 175). Then secure two armrest connector links (170) to armrest pivot tube (210) using hex hd bolt (175), two washers (180) and lock nut (185) for each armrest link connector (170).

8. To assemble back fairing and foamed headrest assembly (235), carry out the following:

   a. Locate two headrest tube bezels (240) in back fairing outer (145).

   b. Locate restraint bezel (310) in back fairing outer (145).

   c. Secure two back fairing side assemblies (155,150) to outer back fairing (145) using four pan hd screws (165) and four washers (325) for each back fairing side assembly (155,150). Then secure items (155,150,145) to back fairing inner pocket assembly (165) using ten pan hd screws (165) and ten washers (325).

   d. Locate back pocket and inner back pocket on back fairing inner pocket assembly (135). Then secure in position using five screws (160).

   e. Locate foamed headrest assembly (235) in back fairing outer (145). Then fit these assembled parts to the seat back structure assembly (Fig 3, item 175) and armrest pivot tube (210), ensuring headrest lock (Fig 3, item 220) is unlocked to allow the foamed headrest assembly (235) to slide into the seat back structure assembly (Fig 3, item 175).

   f. Press fit back fairing to secure it in position.

9. Fit armrest trim (230) to short bearing (225), then fit armrest trim (230) and short bearing (225) to armrest pivot tube (210).

10. Fit armrest trim (230) on spacer (220). Then fit armrest trim (230), spacer (220) and bearing (215) to armrest pivot tube (210).

11. To assemble foamed armrest assemblies (25,20), carry out the following:

   a. Screw spring plunger (30) in to position on both foamed armrest assemblies (25,20).

   b. Fit armrest adjuster (45), thin nut (55) and spring washer (50) to each armrest stop (35).

   c. Fit two armrest pivot bearings (60) and armrest stop (45) to each foamed armrest assembly (25,20).

d. Locate each foamed armrest assembly (25,20) to armrest pivot tube (210). Next, secure armrest stops (35) in position using c'sk hd screw (40) for each armrest stop (35).

12. Locate seat pan cushion (290) on basic seat assembly (320).

13. Locate back cushion (275) on basic seat assembly (320).

9. Storage of Executive Seat

A. The seat should be stored in a dry room.

B. The seat should be stored in its original box or placed on some soft material to prevent damage to the bottom of the seat, and be completely covered with a plastic sheet to exclude dirt.

C. The seat should be in the fully assembled condition.

D. The seat should be evaluated for serviceability prior to installing in an aircraft, refer to 'INTRO-2'.

E. Replacement seat pan cushions should be stored at approximately 20°C and out of direct sunlight, preferably in a box and if kept in its plastic covering this should be pierced to allow airflow around it.

10. Installation of Executive Seat on Aircraft

A. Refer to the appropriate Aircraft Maintenance Manual for instructions concerning this installation.

INTENTIONALLY BLANK

FITS AND CLEARANCES

1. Torque Settings

A. During seat assembly, making allowances for the stiff nuts used, the following torque settings are applied to the standard components listed in Table 1. This information is only applicable to bolts being used with new lock nuts.

TABLE 1

BOLT SIZE	TORQUE lbf.inch
8-32 UNC	15 - 25
10-32 UNF	40 - 50
1:4 UNF	110 - 120

B. Critical torque values are stated in the applicable assembly procedures.

2. Anchor Nuts

A. If the locking element of an anchor nut is found to be worn, refer to IPECO for the remedial action.

3. Captive Nuts

A. If thread of a captive nut is found worn, refer to IPECO for remedial action.

INTENTIONALLY BLANK

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

1. Test Fixture

A. This fixture is recommended for placing the left or right hand executive seat on whilst off the aircraft. The fixture is as follows:-

1. Test Fixture 0T900-1557

INTENTIONALLY BLANK

COMPONENT MAINTENANCE MANUAL
3A429-0007-0008-(**)-(*)
3A429-0057-0058-(**)-(*)

ILLUSTRATED PARTS LIST - TABLE OF CONTENTS

		PAGE
1.	INTRODUCTION	
	A. General	1002
	B. Alphanumerical Index	1002
	C. Detailed Parts List	1002
	D. Vendor Codes	1003
	E. Standard Abbreviations	1004
	F. Ipeco Part Number System	1005
2.	ALPHANUMERIC INDEX	1007
3.	DETAILED PARTS LIST	1017

ILLUSTRATED PARTS LIST

1. Introduction

A. General

1. The parts list has been prepared for the purpose of identifying replacement parts. It comprises three sections, INTRODUCTION, ALPHANUMERICAL INDEX, AND DETAILED PARTS LIST.

B. Alphanumerical Index

1. This index contains all the part numbers which appear in the detailed parts list, together with the relevant figure and i8tem number for each part and the total quantity per assembly. The order of precedence of part number is as follows:

Letters A to Z

Numericals 0 to 9

C. Detailed Parts List

2. The parts list illustrates and describes all the replacement parts contained in the various assemblies. Each assembly and sub-assembly is shown in a logical order of disassembly. Illustrations of the various assemblies are assigned a figure number and each part an item number which corresponds to the item number in the item column.

3. The Illustrated Parts List figure number is suffixed by a dash.

4. A part number which is listed but not illustrated is prefixed by a dash.

5. The nomenclature gives the name of a part and its relation to other parts. The configuration of numbers 1234567 gives this relationship, which is as follows:-

a. Example
1234567
THE ASSEMBLY
.THE PARTS OF THE ASSEMBLY
.THE SUB-ASSEMBLY
..THE PARTS OF SUB-ASSEMBLY
..THE SUB-SUB-ASSEMBLY
...THE PARTS OF SUB-SUB-ASSEMBLY
...THE SUB-SUB-SUB-ASSEMBLY

6. Where a bought-in item is given, a vendor number (V*****) is added to the 'NOMENCLATURE' entry for that part. Part numbers prefixed with NAS, SP, AGS, A, and MS are national standards, so have no code or are prime vendor part numbers. Refer to Table 1 to obtain the name and address.

7. Attaching parts are listed and precede the detailed parts of that assembly. The separation symbol '* * *' indicates the end of the attaching parts.

8. The 'EFF CODE' column indicates the relationship of replacement parts to specific seat assemblies which may include various options, e.g. A: Co-Pilot, B: Pilot

9. The quantity shown in the 'PER ASSY' column is the quantity that is necessary for the next higher assembly. A/R shows that the quantity of parts to be used is 'as required'. The RF shows that the part or parts are given for reference only.

10. Where left hand (LH) and right hand (RH) sub-assemblies are listed and have identical attaching parts, the attaching parts are listed for one assembly.

D. Vendor Codes

1. Company names and addresses are listed against relevant Vendor Codes in Table 1. The mentioned table is both an example and relevant to this manual.

TABLE 1

CODE	COMPANY NAME AND ADDRESS
KE239	HYUIP LTD; NEW BRUNSWICK STREET, HORWICH, BOLTON, BL6 7JB, UK.
K1678	FAIRCHILD FASTENERS UK LTD, UNIT 6, 22 BARDON INDUSTRIAL ESTATE, BARDON HILL, COALVILLE, LE67 1TE, U.K.
K7348	REEVITE INDUSTRIAL MOULDINGS, 16 MURDOCK ROAD, BICESTER, OXFORD, OX26 4PP, U.K.
K9075	IPECO, AVIATION WAY, SOUTHEND-ON-SEA, ESSEX, SS2 6UN, U.K.
U0406	HENKEL LOCTITE ADHESIVES LTD., WATCHMEAD, WELWYN GARDEN CITY, HERTFORDSHIRE, AL7 1JB, U.K.
U5F65	SIL-MID LTD., 2 ROMAN PARK, ROMAN WAY, COLESHILL, B46 1HQ, U.K.
02953	P.L. PORTER COMPANY, 6355 DE SOTO AVENUE, WOODLAND HILLS, CALIFORNIA, 91367-2687, USA

E. Standard Abbreviations

1. Abbreviations of words used in this manual are provided in Table 2.

TABLE 2

A/R	- AS REQUIRED	MTG	- MOUNTING
ARC	- AEROSPACE RESTRAINT COMPANY	MUSH HD	- MUSHROOM HEAD
ASSY	- ASSEMBLY	NHA	- NEXT HIGHEST ASSEMBLY
BSF	- BRITISH STANDARD FINE	NP	- NON-PROCURABLE
CH HD	- CHEESE HD	OD	- OUTER DIAMETER
C'SK	- COUNTERSUNK	PT. NO	- PART NUMBER
C. TOL	- CLOSE TOLERANCE	QTY	- QUANTITY
DM HD	- DOME HEAD	R	- REVISION
DLTD	- DELETED	REF)	- REFERENCE
EFF	- EFFECTIVITY	RF)	
FIG	- FIGURE	REPLCD	- REPLACED
FWD	- FORWARD	REPLCS	- REPLACES
HEX HD	- HEXAGONAL HEAD	REQD	- REQUIRED
ID	- INTERNAL DIAMETER	RH	- RIGHT HAND
IPC	- ILLUSTRATED PARTS CATALOGUE	RSD C'SK	- RAISED COUNTERSUNK
IPL	- ILLUSTRATED PARTS LIST	SB	- SERVICE BULLETIN
LG	- LONG	SIL	- SERVICE INFORMATION LETTER
LH	- LEFT HAND	SUPSD	- SUPERSEDED
MAX	- MAXIMUM	SUPSDS	- SUPERSEDES
MDFD	- MODIFIED	THK	- THICK
MECH	- MECHANISM	UN	- UNIFIED
MIN	- MINIMUM	UNC	- UNIFIED COARSE
mm	- MILLIMETRE	UNF	- UNIFIED FINE

2. The definition of particular words used in this manual are listed in Table 3.

TABLE 3

SUPERSEDES (SUPSDS)	This part takes the place of and is not interchangeable with the original part.
REPLACES (REPLCS)	This part takes the place of and is interchangeable with the original part.

F. Ipeco Part Number System

1. A typical full seat part number is 3A429-0007-101-1.

2. The -101 element of the part number indicates a particular optional extra seat feature i.e. footrest.

3. The final digit (-1) gives the configuration control number which identifies the type of seat configuration.

INTENTIONALLY BLANK

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED
AGS2050-540BS		4	140	4
A102-1C		7	225	4
A102-7C		7	105	2
		7	140	1
A103DT		5	40	2
A103ET		1	55	2
A217C8		5	195	2
CL-80-SPN-1		1	30	2
H14L08		7	115	2
H14108		7	150	1
H14-3		1	90	2
		2	40	2
		2	65	2
		2	120	2
		4	85	4
		4	165	2
		4	195	2
		4	295	2
		4	440	2
		5	130	2
		5	150	2
		5	385	4
		5	425	4
		6	55	2
		6	75	2
		7	45	8
		7	85	2
H14-4		1	185	2
		3	25	1
		3	45	1
		3	65	1
		3	95	2
		3	120	2
		3	155	2

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED	
H14-5		5	500	2	
H15-5		7	255	8	
MC24-28		2	25	1	
MS22133-12		7	-65	4	
MS24693S28		7	170	1	
NAS2804-5		5	505	2	
		5	520	2	
NAS517-2-1		1	160	5	
NAS517-3-1		7	25	8	
NAS517-4-20		1	40	2	R
NAS517-4-3		5	510	2	
		7	10	4	
NAS517-5-30		5	490	2	
NAS623-2-1		1	105	2	
		1	165	18	
NAS623-2-3		3	225	2	
NAS623-2-5		7	180	2	
NAS623-3-3		4	155	2	
NAS623-3-6		2	30	2	
		3	275	2	
		4	180	2	
		4	280	2	
		4	315	2	
		4	335	2	
		4	355	2	
		4	380	2	
		4	405	2	
		4	430	2	
NAS623-3-7		3	295	4	
		3	320	2	
		4	75	4	
		4	105	2	

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED
NAS623-3-8		2	105	2
		4	255	4
NAS623-3-9		2	130	1
NAS6602-31		7	75	2
NAS6602-34		7	90	1
NAS6603-1		5	375	4
NAS6603-15		5	120	2
		5	140	2
NAS6603-2		3	185	4
		6	45	2
		6	65	2
NAS6603-20		2	55	2
		7	35	6
NAS6603-21		7	50	2
NAS6603-25		5	415	4
NAS6603-29		1	80	2
NAS6603-3		7	285	16
NAS6604-11		3	15	1
		3	35	1
NAS6604-23		1	175	2
		3	55	1
		3	110	1
NAS6604-25		3	85	2
NAS6605-25		7	245	4
PV289		2	75	4
SP113A8		3	240	2
SP122B		3	245	2
SP122D		4	190	2
SP122E		1	205	4
SP125D		5	100	4
		5	215	4
		5	330	1
		5	440	2
		5	465	1

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED	
SP126C		1	110	2	
		3	205	1	
		3	230	2	
		5	200	2	
		7	110	4	
		7	145	2	
		7	185	2	
		7	230	4	
SP126D		1	85	4	
		1	-325	23	
		2	15	1	R
		2	35	4	
		2	60	4	
		2	115	6	
		2	140	2	R
		3	190	4	
		3	280	2	
		3	300	4	
		3	325	4	
		4	80	8	
		4	110	2	
		4	160	2	
		4	185	2	
		4	220	1	
		4	240	1	
		4	260	4	
		4	285	4	
		4	290	4	
		4	320	2	
		4	340	2	
		4	360	2	
		4	385	2	

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED
SP126D		4	410	2
		4	435	4
		5	20	1
		5	60	1
		5	80	1
		5	105	2
		5	125	4
		5	145	4
		5	180	1
		5	220	2
		5	240	1
		5	265	2
		5	290	1
		5	310	1
		5	380	8
		5	400	1
		5	420	8
		6	50	4
		6	70	4
		7	40	16
		7	80	4
		7	205	2
		7	290	16
SP126E		1	180	4
		3	20	2
		3	40	1
		3	60	2
		3	90	4
		3	115	2
		3	150	2
		7	305	8

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED
SP126G		5	-46	1
		5	495	2
		7	250	8
		7	260	A/R
SP4YA8		3	210	1
SP4YB10		4	215	1
		5	260	1
SP4YB13		5	55	1
		5	75	1
		5	95	2
		5	210	2
		5	235	1
		5	285	1
SP4YB16		7	200	2
SP4YB19		5	325	1
SP4YB23		5	435	2
		5	460	1
SP4YB4		2	10	1
		5	305	1
		5	395	1
SP4YB6		5	15	1
SP4YB9		4	235	1
SP4113E7		1	195	4
SP47C		5	45	1
SP47E		1	50	2
SP90C2		3	200	1
		3	250	2
SP90C3		4	225	1
		4	245	1
		5	25	1
		5	65	1
		5	85	1

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED
		5	110	2
		5	185	1
		5	225	2
		5	245	1
		5	270	1
		5	295	1
		5	315	1
		5	340	1
		5	405	1
		5	445	2
		5	470	1
		7	210	2
SP90C4		1	200	4
		7	310	8
SP90E10		4	20	2
SP903C		2	20	1
0A325-0015		5	535	1
0A325-0016		5	-530	1
0A325-0017		5	485	1
		6	-1	RF
0A325-0217		6	10	1
0A325-0459		4	120	2
0A410-0321		1	290	1
0A410-0322		1	-285	1
0A410-0323		1	275	1
0A410-0381		1	135	1
0A418-0205		1	260	1
0A418-0206		1	-255	1
0A427-0705		4	125	2
0A428-0025		3	175	1
0A428-0026		3	-170	1
0A428-0273		4	100	1

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED	
0A428-0274		4	-95	1	
0A428-0365		1	-300	1	R
0A428-0366		1	-295	1	R
0A428-0376		1	-280	1	
0A428-0380		1	-140	1	
0A428-0383		1	330	1	
0A429-0015		7	-3	RF	
0A429-0016		7	-1	RF	
0A429-0019		2	95	1	
		5	-5	RF	
0A429-0020		2	-90	1	R
		5	-1	RF	
0A429-0021		3	165	1	
		4	-5	RF	
0A429-0022		3	-160	1	
		4	-1	RF	
0A429-0029		2	85	1	
		3	-5	RF	
0A429-0030		2	-80	1	
		3	-1	RF	
0A429-0031		1	320	1	
		2	-5	RF	
0A429-0032		1	-315	1	
		2	-1	RF	
0428-0379		1	145	1	
0658-020-00		6	35	4	
0658-025-00		5	155	4	
1A325-0215		6	-5	1	
1A325-0259		2	50	1	
1A325-0271		3	80	1	
1A325-0272		3	-75	1	
1A325-0291		5	135	1	

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED	
1A325-0293		5	115	1	
1A410-0271		3	315	1	
1A410-0272		3	-310	1	
1A410-0299		1	25	1	
1A410-0300		1	-20	1	
1A410-0355		1	210	1	
1A410-0379		1	235	1	
1A426-0204		7	-235	2	
1A4265-0203		7	240	2	
1A427-0201		7	320	2	
1A427-0203		2	70	1	
1A427-0213		5	275	1	
1A428-0359		1	155	1	
1A428-0360		1	150	1	
1A428-0375		1	120	1	
1A428-0376		1	-115	1	
1A428-0377		1	125	1	
1A500-0644		6	20	1	
1A500-0646		3	265	2	
1A500-0648		7	160	1	
1A500-0667		4	30	2	
		4	40	2	
		4	50	1	
		4	60	2	
1A500-0693		6	90	1	
1A527-0008		7	175	2	
1A527-0029		5	170 REPLCD	2	R
1A527-0105		3	255	2	
1A527-0120		5	360	1	
1A527-0201		5	-170A	2	R
2A325-0243		7	30	2	
2A325-0245		5	160	1	
2A325-0357		3	180	1	
2A325-0479		4	35	1	

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED
2A410-0221		4	150	1
2A410-0222		4	-145	1
2A410-0223		4	210	1
2A410-0224		4	-205	1
2A410-0239		1	-305	1
2A410-0319		3	270	1
2A410-0355		7	60	1
2A410-0356		7	55	1
2A410-0359		7	95	1
2A410-0420		1	310	1
2A418-0203		5	540	1
2A425-0439		4	55	1
2A426-0215		7	125	1
2A426-0216		7	-120	1
2A426-0257		7	-220A	2
2A428-0211		5	390	1
2A428-0261		3	290	1
2A428-0385		1	70	2
2A428-0386		1	-65	1
2A429-0201		7	275	2
2A429-0203		7	265	1
2A429-0204		7	270	1
2A429-0209		1	250	1
2A429-0210		1	-245	1
2A500-0844		5	350	1
2A503-0003		2	125	1
2A503-0006		2	100	2
3A039-0267		7	100	2
3A063-0359		3	145	2
3A323-0293		2	45	2
		2	110	2
		2	135	2
		3	285	2

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED	
3A323-0293		3	305	4	
		3	330	2	
		4	90	4	
		4	115	2	
		4	200	2	
		4	265	4	
		4	300	2	
		4	325	2	
		4	345	2	
		4	365	2	
		4	390	2	
		4	415	2	
		4	445	2	
3A323-0367		5	255	1	
3A323-0368		5	-250 DLTD	1	R
3A323-0379		5	320	1	
3A323-0379		5	430	2	
3A323-0381		5	365	1	
3A323-0383		5	370	1	
3A323-0385		6	60	1	
3A323-0386		6	40	1	
3A323-0389		5	410	4	
3A323-0391		5	450	2	
3A323-0393		5	455	2	
3A323-0395		5	475	1	
3A323-0397		5	335	1	
3A323-0399		5	480	1	
3A323-0405		5	10	1	
3A323-0455		5	70	1	
3A323-0457		5	50	1	
3A323-0459		5	230	1	
3A325-0219		6	15	1	

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED
3A325-0223		6	80	1
3A325-0225		6	85	1
3A325-0235		6	30	1
3A325-0237		5	345	1
3A325-0239		5	300	1
3A325-0241		7	5	4
3A325-0249		7	20	4
3A325-0251		7	15	4
3A325-0255		5	190	1
3A325-0257		5	175	1
3A325-0265		5	90	2
3A325-0277		4	25	2
3A325-0285		5	35	1
3A325-0289		4	45	1
3A325-0301		1	60	4
3A325-0309		1	215	1
3A325-0311		1	190	2
3A325-0313		1	170	2
		3	105	2
3A325-0315		3	140	1
3A325-0317		3	135	1
3A325-0319		3	50	1
3A325-0321		1	45	2
3A325-0359		3	260	2
3A325-0363		3	235	2
3A325-0401		4	15	2
3A325-0431		3	70	1
3A325-0433		3	100	1
3A325-0435		3	130	1
3A325-0437		3	125	2
3A325-0451		3	195	1
3A325-0457		3	215	1

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED	
3A325-0475		4	135	1	
3A325-0476		4	-130	1	
3A325-0477		4	10	2	
3A325-0483		5	355	1	
3A325-0485		7	70	2	
3A325-0507		5	525	2	
3A325-0703		5	165	4	
3A327-0209		5	280	1	
3A327-0215		5	205	2	
3A346-0221		7	155	1	
3A346-0227		7	165	1	
3A410-0209		4	250	2	
3A410-0215		4	350	1	
3A410-0241		1	240	2	
3A410-0329		1	220	1	
3A410-0331		1	35	2	
3A410-0337		1	225	1	
3A410-0339		1	230	2	
3A410-0399		1	-236	2	R
3A425-0345		3	220	1	
3A426-0205		7	280	8	
3A426-0209		7	215	2	
3A426-0211		7	195	2	
3A426-0213		7	220 SUPSD	2	
3A426-0219		7	135	1	
3A426-0231		7	130	1	
3A426-0235		7	190	2	
3A426-0237		7	300	8	
3A426-0253		7	295	8	
3A426-0255		7	315	16	
3A426-0259		7	-325	2	
3A428-0217		4	330	2	
3A428-0219		4	275	2	
		4	310	1	

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED
3A428-0220		4	270	2
		4	-305	1
3A428-0221		4	375	1
3A428-0222		4	-370	1
3A428-0223		4	400	1
3A428-0224		4	-395	1
3A428-0231		4	175	1
3A428-0232		4	-170	1
3A428-0235		4	230	1
3A428-0237		4	425	1
3A428-0238		4	-420	1
3A428-0321		1	75	2
3A428-0333		4	70	2
3A428-0334		4	-65	2
3A428-0353		1	100	2
3A428-0355		1	95	2
3A428-0395		5	515	1
3A429-0007-101-1		1	-1	RF
3A429-0007-102-1		1	-1A	RF
3A429-0007-103-1		1	-1B	RF
3A429-0007-104-1		1	-1C	RF
3A429-0007-113-1		1	-1D	RF
3A429-0007-114-1		1	-1E	RF
3A429-0007-115-1		1	-1F	RF
3A429-0007-116-1		1	-1G	RF
3A429-0008-101-1		1	-5	RF
3A429-0008-102-1		1	-5A	RF
3A429-0008-103-1		1	-5B	RF
3A429-0008-104-1		1	-5C	RF
3A429-0008-113-1		1	-5D	RF
3A429-0008-114-1		1	-5E	RF
3A429-0008-115-1		1	-5F	RF

PART NUMBER	AIRLINE PART NUMBER	FIG.	ITEM	TOTAL REQUIRED	
3A429-0008-116-1		1	-5G	RF	
3A429-0057-101-1		1	-10	RF	R
3A429-0057-102-1		1	-10A	RF	R
3A429-0057-103-1		1	-10B	RF	R
3A429-0057-104-1		1	-10C	RF	
3A429-0057-113-1		1	-10D	RF	
3A429-0057-114-1		1	-10E	RF	
3A429-0057-115-1		1	-10F	RF	
3A429-0057-116-1		1	-10G	RF	
3A429-0058-101-1		1	-15	RF	
3A429-0058-102-1		1	-15A	RF	
3A429-0058-103-1		1	-15B	RF	
3A429-0058-104-1		1	-15C	RF	
3A429-0058-113-1		1	-15D	RF	
3A429-0058-114-1		1	-15E	RF	
3A429-0058-115-1		1	-15F	RF	
3A429-0058-116-1		1	-15G	RF	
3A500-0927		6	25	24	
3A505-0013		1	-265	A/R	
3A505-0014		1	-270	A/R	
3A519-0011		3	10	1	
		3	30	1	
3A527-0203		5	30	1	

INTENTIONALLY BLANK

DETAILED PARTS LIST - TABLE OF CONTENTS

FIGURE		PAGE
1	EXECUTIVE SEAT	1018
2	BASIC SEAT ASSEMBLY	1026
3	UPPER SEAT ASSEMBLY	1030
4	SEAT PAN STRUCTURE ASSEMBLY	1038
5	BASE TURNTABLE AND MECHANISM ASSEMBLY	1046
6	TURNTABLE ASSEMBLY	1056
7	BASE STRUCTURE ASSEMBLY	1058

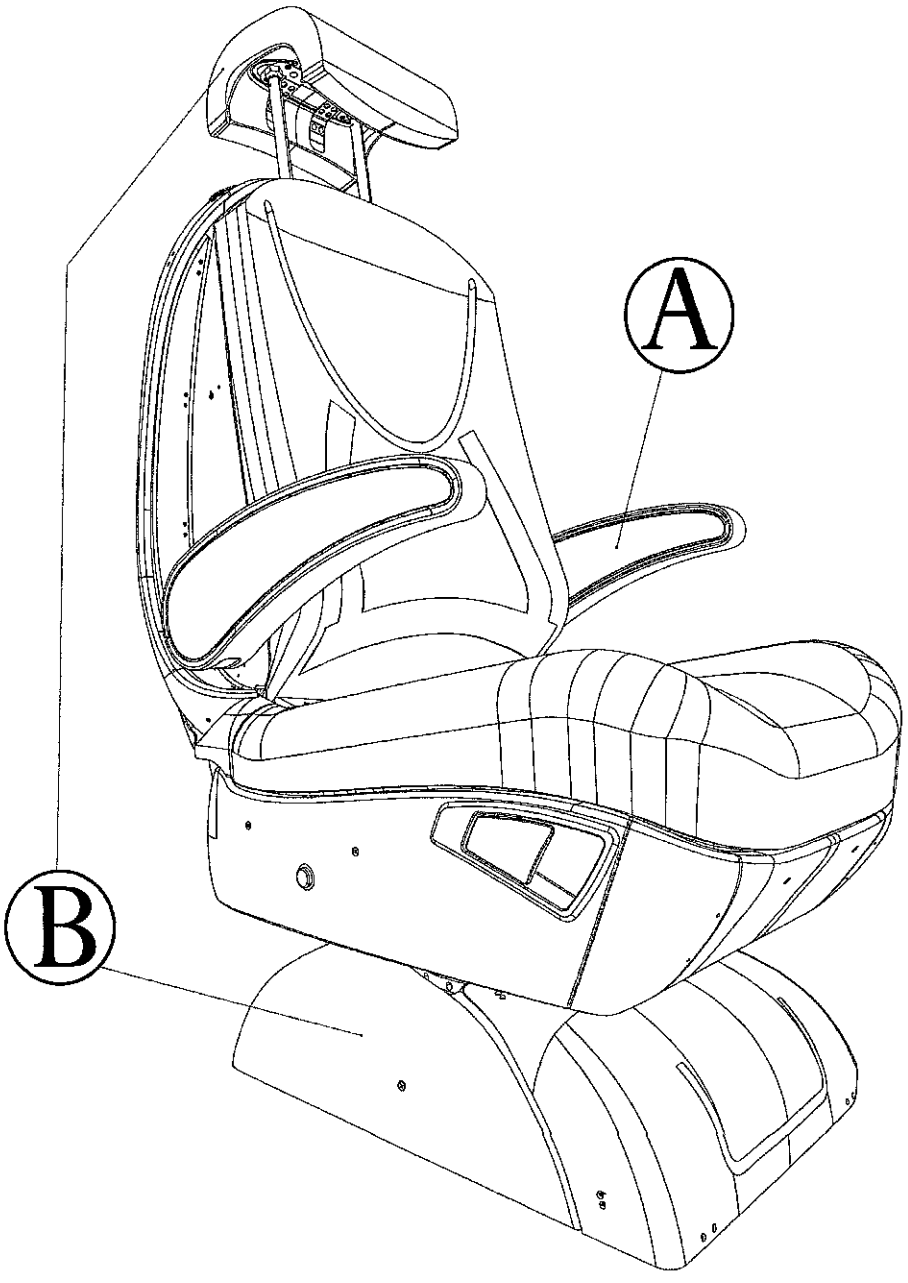


FIGURE 1 - SHEET 1 EXECUTIVE SEAT

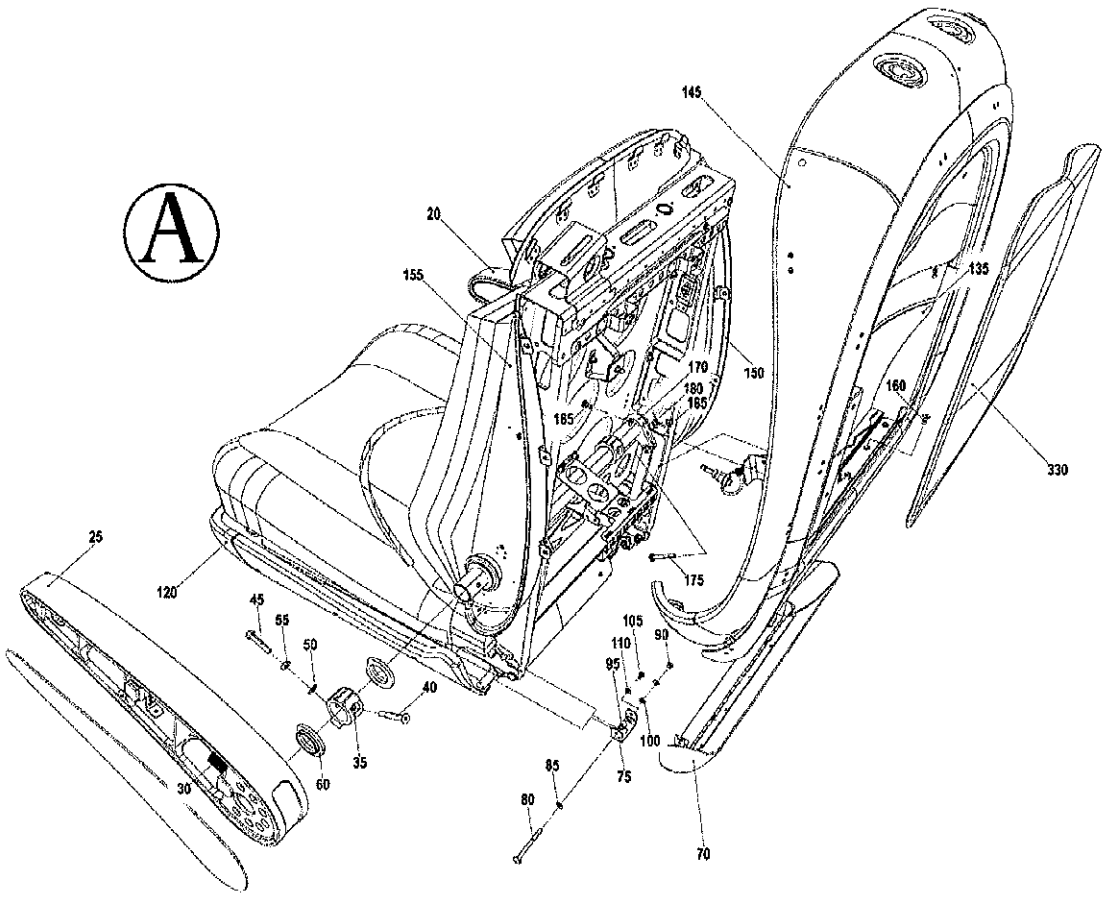


FIGURE 1 - SHEET 2 EXECUTIVE SEAT

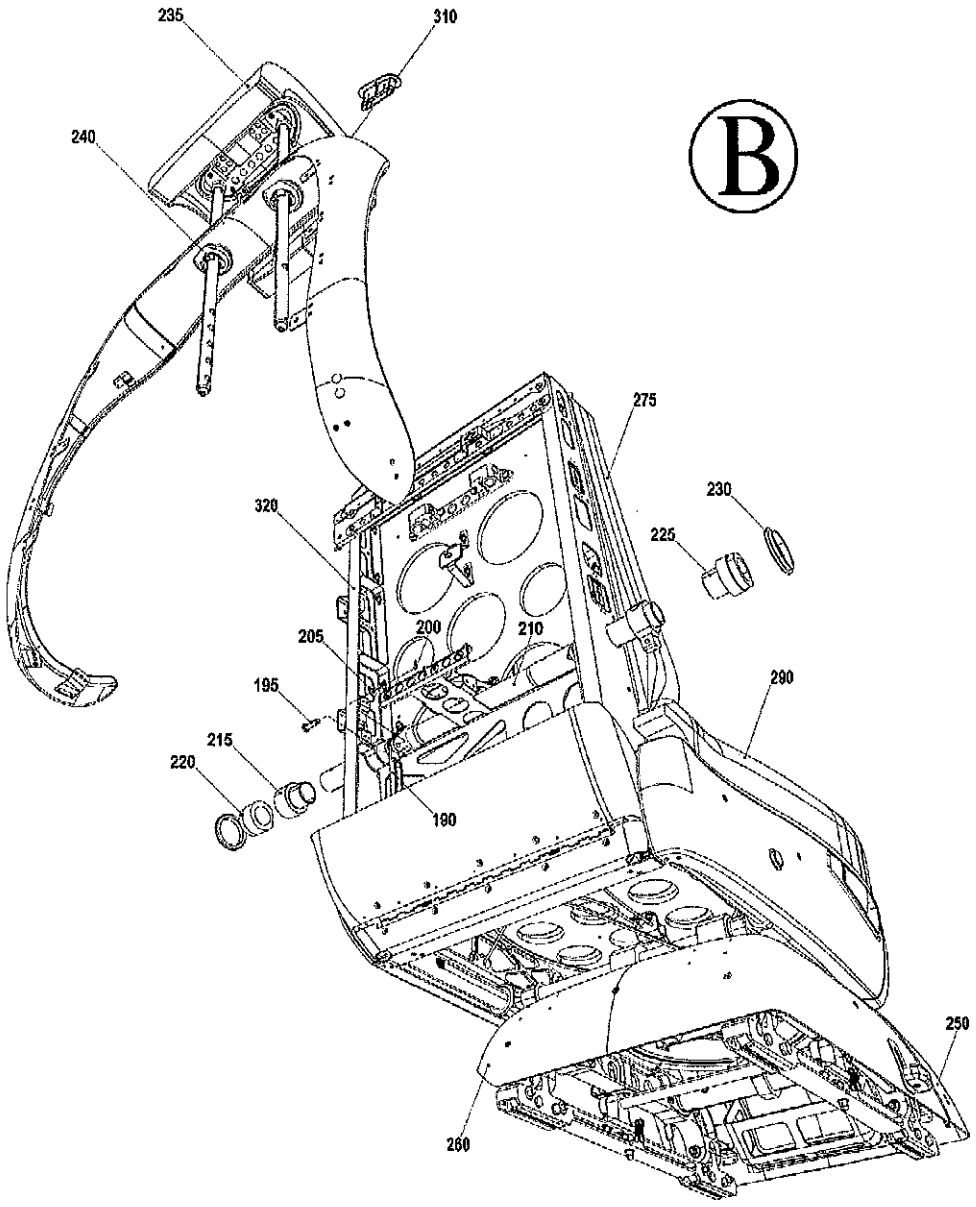


FIGURE 1 - SHEET 3 EXECUTIVE SEAT

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY	
1-						
-1	3A429-0007-101-1		EXECUTIVE SEAT, LH (PAX)	A	RF	
-1A	3A429-0007-102-1		EXECUTIVE SEAT, LH (PAX)	B	RF	
-1B	3A429-0007-103-1		EXECUTIVE SEAT, LH (PAX)	C	RF	
-1C	3A429-0007-104-1		EXECUTIVE SEAT, LH (PAX)	D	RF	
-1D	3A429-0007-113-1		EXECUTIVE SEAT, LH (PAX)	E	RF	
-1E	3A429-0007-114-1		EXECUTIVE SEAT, LH (PAX)	F	RF	
-1F	3A429-0007-115-1		EXECUTIVE SEAT, LH (PAX)	G	RF	
-1G	3A429-0007-116-1		EXECUTIVE SEAT, LH (PAX)	H	RF	
-5	3A429-0008-101-1		EXECUTIVE SEAT, RH (PAX)	J	RF	
-5A	3A429-0008-102-1		EXECUTIVE SEAT, RH (PAX)	K	RF	
-5B	3A429-0008-103-1		EXECUTIVE SEAT, RH (PAX)	L	RF	
-5C	3A429-0008-104-1		EXECUTIVE SEAT, RH (PAX)	M	RF	
-5D	3A429-0008-113-1		EXECUTIVE SEAT, RH (PAX)	N	RF	
-5E	3A429-0008-114-1		EXECUTIVE SEAT, RH (PAX)	P	RF	
-5F	3A429-0008-115-1		EXECUTIVE SEAT, RH (PAX)	Q	RF	
-5G	3A429-0008-116-1		EXECUTIVE SEAT, RH (PAX)	R	RF	
-10	3A429-0057-101-1		EXECUTIVE SEAT, LH (PAX)	S	RF	R
-10A	3A429-0057-102-1		EXECUTIVE SEAT, LH (PAX)	T	RF	R
-10B	3A429-0057-103-1		EXECUTIVE SEAT, LH (PAX)	U	RF	R
-10C	3A429-0057-104-1		EXECUTIVE SEAT, LH (PAX)	V	RF	
-10D	3A429-0057-113-1		EXECUTIVE SEAT, LH (PAX)	W	RF	
-10E	3A429-0057-114-1		EXECUTIVE SEAT, LH (PAX)	X	RF	
-10F	3A429-0057-115-1		EXECUTIVE SEAT, LH (PAX)	Y	RF	
-10G	3A429-0057-116-1		EXECUTIVE SEAT, LH (PAX)	Z	RF	
-15	3A429-0058-101-1		EXECUTIVE SEAT, RH (PAX)	AA	RF	
-15A	3A429-0058-102-1		EXECUTIVE SEAT, RH (PAX)	AB	RF	
-15B	3A429-0058-103-1		EXECUTIVE SEAT, RH (PAX)	AC	RF	
-15C	3A429-0058-104-1		EXECUTIVE SEAT, RH (PAX)	AD	RF	

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY	
1-						
-15D	3A429-0058-113-1		EXECUTIVE SEAT, RH (PAX)	AE	RF	
-15E	3A429-0058-114-1		EXECUTIVE SEAT, RH (PAX)	AF	RF	
-15F	3A429-0058-115-1		EXECUTIVE SEAT, RH (PAX)	AG	RF	
-15G	3A429-0058-116-1		EXECUTIVE SEAT, RH (PAX)	AH	RF	
-20	1A410-0300		.ARMREST ASSY, FOAMED (RH)		1	
25	1A410-0299		.ARMREST ASSY, FOAMED (LH)		1	
30	CL-80-SPN-1		.PLUNGER, SPRING 5:8		2	
35	3A410-0331		.STOP, ARMREST		2	
			ATTACHING PARTS			
40	NAS517-4-20		.SCREW, C'SK HD 1:4UNF X 1.719		2	R
			* * *			
45	3A325-0321		.ADJUSTER, ARMREST		2	
50	SP47E		.WASHER, SPRING 1:4UN		2	
55	A103ET		.NUT, THIN 1:4UNF		2	
60	3A325-0301		.PIVOT BEARING, ARMREST		4	
-65	2A428-0386		.PANEL ASSY, CLOSE OUT	J-R AA-AH	1	
70	2A428-0385		.PANEL ASSY, CLOSE OUT	A-H S-Z	2	
75	3A428-0321		.BRACKET, REAR		2	
			ATTACHING PARTS			
80	NAS6603-29		.BOLT, HEX HD 10-32UNF X 2.157		2	
85	SP126D		.WASHER, 10UN X 0.018		4	
90	H14-3		.NUT, LOCK 10-32UNF		2	
			(VK1678)			
95	3A428-0355		.SPACER		2	
100	3A428-0353		.SPACER		2	
105	NAS623-2-1		.SCREW, PAN HD 8-32UNF		2	
110	SP126C		.WASHER, 8UN X 0.018		2	
			* * *			

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
1-					
-115	1A428-0376		.FAIRING ASSY, SEAT PAN	J,N AA,AE	1
120	1A428-0375		.FAIRING ASSY, SEAT PAN	A,E S,W	1
125	1A428-0377		.INNER, BACK FAIRING	N-R W-Z AE-AH	1
135	0A410-0381		.INNER POCKET, BACK FAIRING	J-M S-V AA-AD	1
-140	0A428-0380		.OUTER, BACK FAIRING	J-R AA-AH	1
145	0428-0379		.OUTER, BACK FAIRING	A-H S-Z	1
150	1A428-0360		.SIDE ASSY, BACK FAIRING		1
155	1A428-0359		.SIDE ASSY, BACK FAIRING		1
160	NAS517-2-1		.SCREW, C'SK HD 8-32UNF		5
165	NAS623-2-1		.SCREW, PAN HD 8-32UNF		18
170	3A325-0313		.CONNECTOR, ARMREST LINK		2
			ATTACHING PARTS		
175	NAS6604-23		.BOLT, HEX HD 1:4UNF X 1.863		2
180	SP126E		.WASHER, 1:4UN X 0.018"THK		4
185	H14-4		.NUT, LOCK 1:4UNF (VK1678)		2
			* * *		
190	3A325-0311		.LINK, ARMREST		2
			ATTACHING PARTS		
195	SP4113E7		.PIN, C.TOL SHEAR 1:4 X 0.7		4
200	SP90C4		.PIN, SPLIT 1:16 X 0.5		4
205	SP122E		.WASHER, 1:4UNF X 0.048"THK		4
			* * *		

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY	
1-						
210	1A410-0355		.PIVOT TUBE, ARMREST		1	
215	3A325-0309		.BEARING		1	
220	3A410-0329		.SPACER		1	
225	3A410-0337		.BEARING, SHORT		1	
230	3A410-0339		.TRIM, ARMREST		2	
235	1A410-0379		.HEADREST ASSY, FOAMED		1	
-236	3A410-0399		..SPACER, HEADREST		2	R
240	3A410-0241		.BEZEL, HEADREST TUBE		2	
-245	2A429-0210		.BASE FAIRING, FRONT	J-R AA-AH	1	
250	2A429-0209		.BASE FAIRING, FRONT	A-H S-Z	1	
-255	0A418-0206		.BASE FAIRING, REAR	J-R AA-AH	1	
260	0A418-0205		.BASE FAIRING, REAR	A-H S-Z	1	
-265	3A505-0013		.HOOK FASTENER, SELF ADHESIVE		A/R	
-270	3A505-0014		.LOOP FASTENER, SELF ADHESIVE		A/R	
275	0A410-0323		.CUSHION, BACK	A,B,E F,J,K N,P	1	
-280	0A428-0376		.CUSHION, BACK	S,T,W X,AA AB,AE AF	1	
-285	0A410-0322		.CUSHION, SEAT PAN	J-R	1	
290	0A410-0321		.CUSHION, SEAT PAN	A-H	1	
-295	0A428-0366		.CUSHION, SEAT PAN	AA-AH	1	R
-300	0A428-0365		.CUSHION, SEAT PAN	S-Z	1	R
-305	2A410-0239		.BEZEL, RESTRAINT	J-R AA-AH	1	

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
1-					
310	2A410-0420		.BEZEL, RESTRAINT	A-H S-Z	1
-315	0A429-0032		.BASIC SEAT, ASSY (REF: FIG 2)	J-R AA-AH	1
320	0A429-0031		.BASIC SEAT, ASSY (REF: FIG 2)	A-H S-Z	1
-325	SP126D		.WASHER, 10UN X 0.018		23
330	0A428-0383		..BACK POCKET, ASSY		1

- ITEM NOT ILLUSTRATED

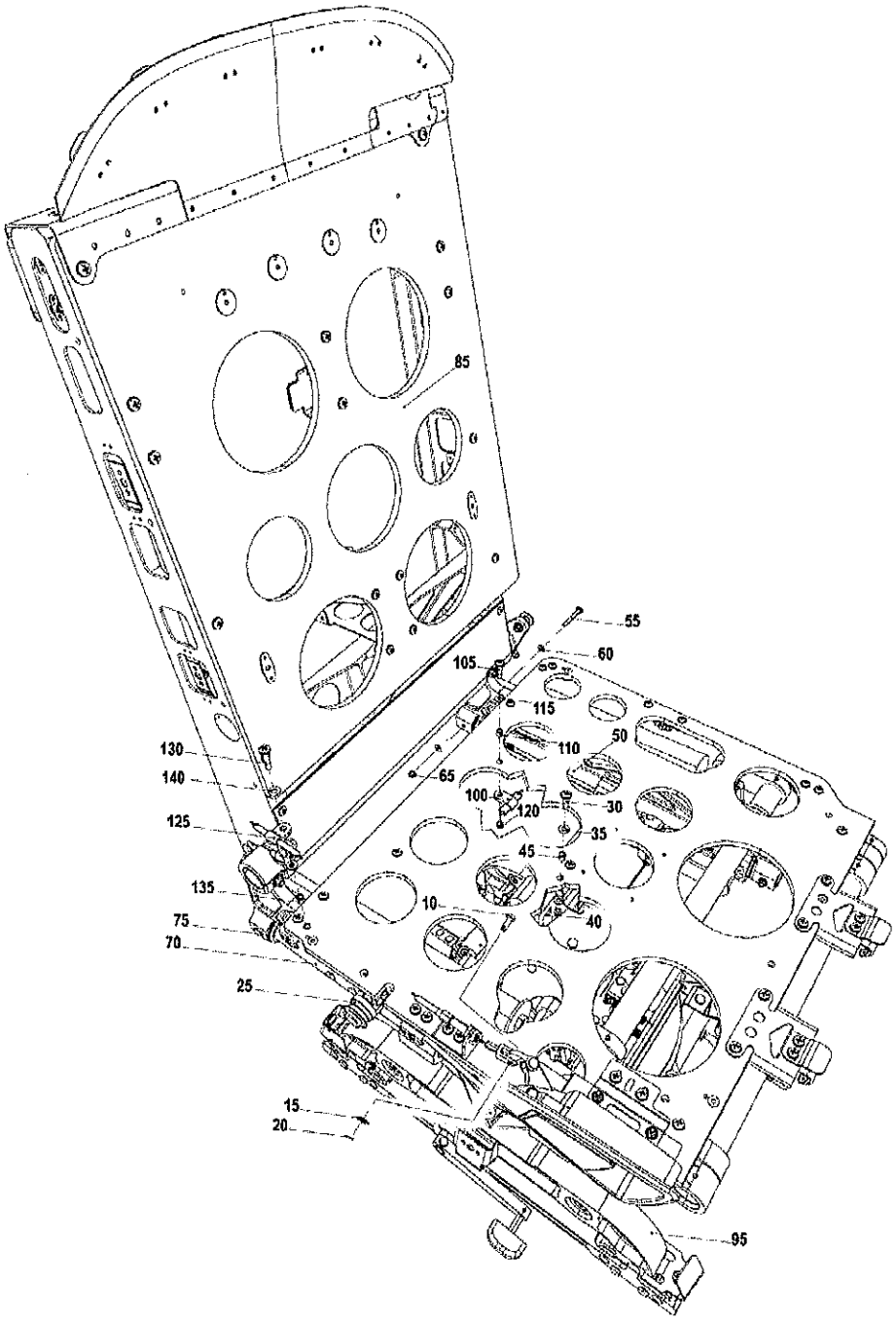


FIGURE 2 BASIC SEAT ASSEMBLY

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY	
2-						
-1	0A429-0032		SEAT ASSY, BASIC (REF: FIG 1 FOR NHA)	A	RF	
-5	0A429-0031		SEAT ASSY, BASIC (REF: FIG 1 FOR NHA)	B	RF	
10	SP4YB4		.PIN, STEEL 3:16 X 0.40		1	
15	SP126D		.WASHER, 10UN X 0.018		1	R
20	SP903C		.PIN, SPLIT 1:16 X 0.375		1	
25	MC24-28		.CONTROL, MECHANICAL (VK1678)		1	
			ATTACHING PARTS			
30	NAS623-3-6		.SCREW, PAN HD 10-32UNF X 0.651		2	
35	SP126D		.WASHER, 10UN X 0.018"THK		4	
40	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2	
			* * *			
45	3A323-0293		.SPACER, TUBE		2	
50	1A325-0259		.SERRATED TUBE, FWD/AFT		1	
			ATTACHING PARTS			
55	NAS6603-20		.BOLT, HEX HD 10-32UNF X 1.595		2	
60	SP126D		.WASHER, 10UN X 0.018"THK		4	
65	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2	
			* * *			
70	1A427-0203		.TUBE, FWD/AFT		1	
75	PV289		.GROMMET, OPEN (VK7348)		4	
-80	0A429-0030		.SEAT ASSY, UPPER (REF: FIG 3)	A	1	
85	0A429-0029		.SEAT ASSY, UPPER (REF:FIG 3)	B	1	

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY	
2-						
-90	0A429-0020		.BASE TURNTABLE & MECHANISM ASSY (REF: FIG 5)		1	R
95	0A429-0019		.BASE TURNTABLE & MECHANISM ASSY (REF: FIG 5)		1	
100	2A503-0006		.CLAMP, PLASTIC WIRE SUPPORT LOOP		2	
			ATTACHING PARTS			
105	NAS623-3-8		.SCREW, PAN HD 10-32UNF X 0.838		2	
110	3A323-0293		.SPACER, TUBE		2	
115	SP126D		.WASHER, 10UN X 0.018"THK		6	
120	H14-3		.NUT, LOCK 10-32 UNF (VK1678)		2	
			* * *			
125	2A503-0003		.CLAMP, PLASTIC WIRE SUPPORT LOOP		1	
			ATTACHING PARTS			
130	NAS623-3-9		.SCREW, PAN HD 10-32UNF X 0.838		1	
135	3A323-0293		.SPACER, TUBE		2	
140	SP126D		.WASHER, 10UN X 0.018"THK		2	R
			* * *			

- ITEM NOT ILLUSTRATED

INTENTIONALLY BLANK

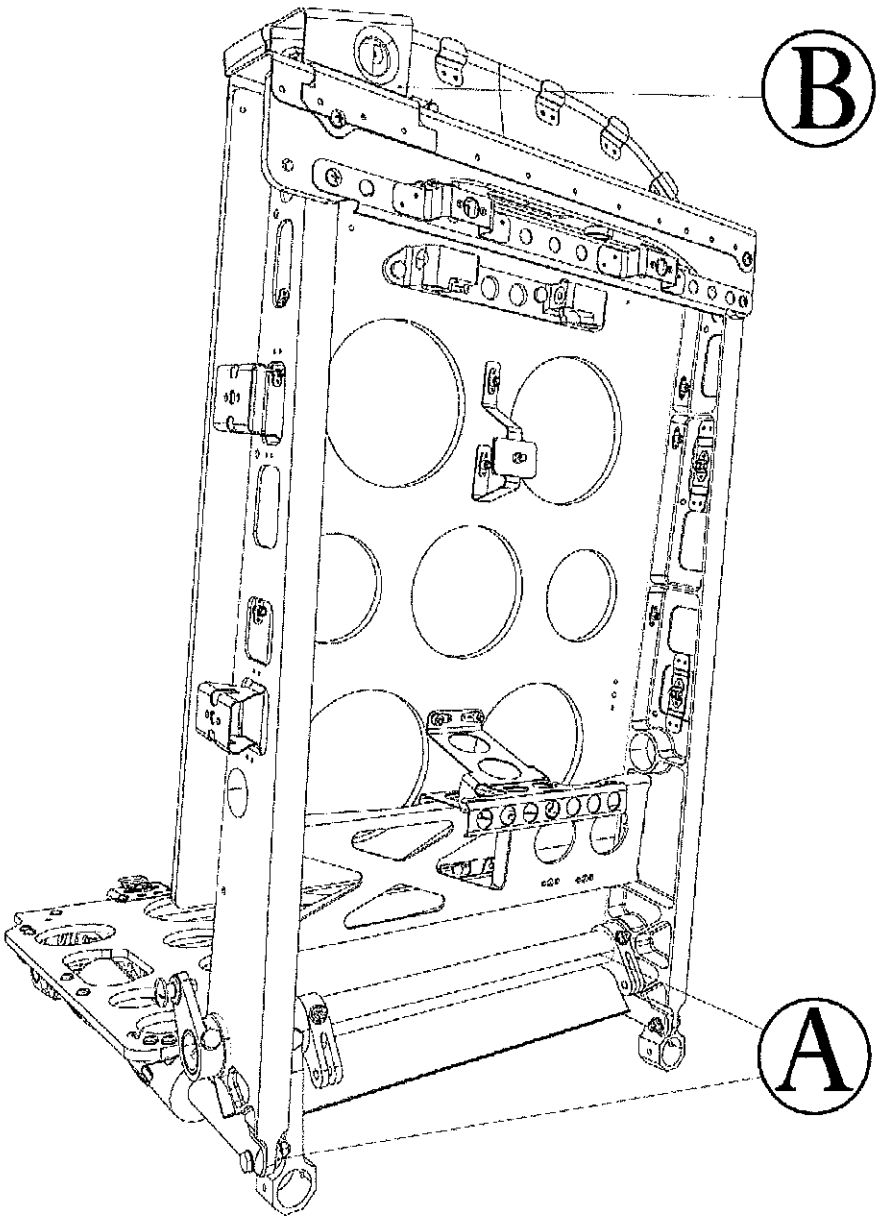


FIGURE 3 - SHEET 1 UPPER SEAT ASSEMBLY

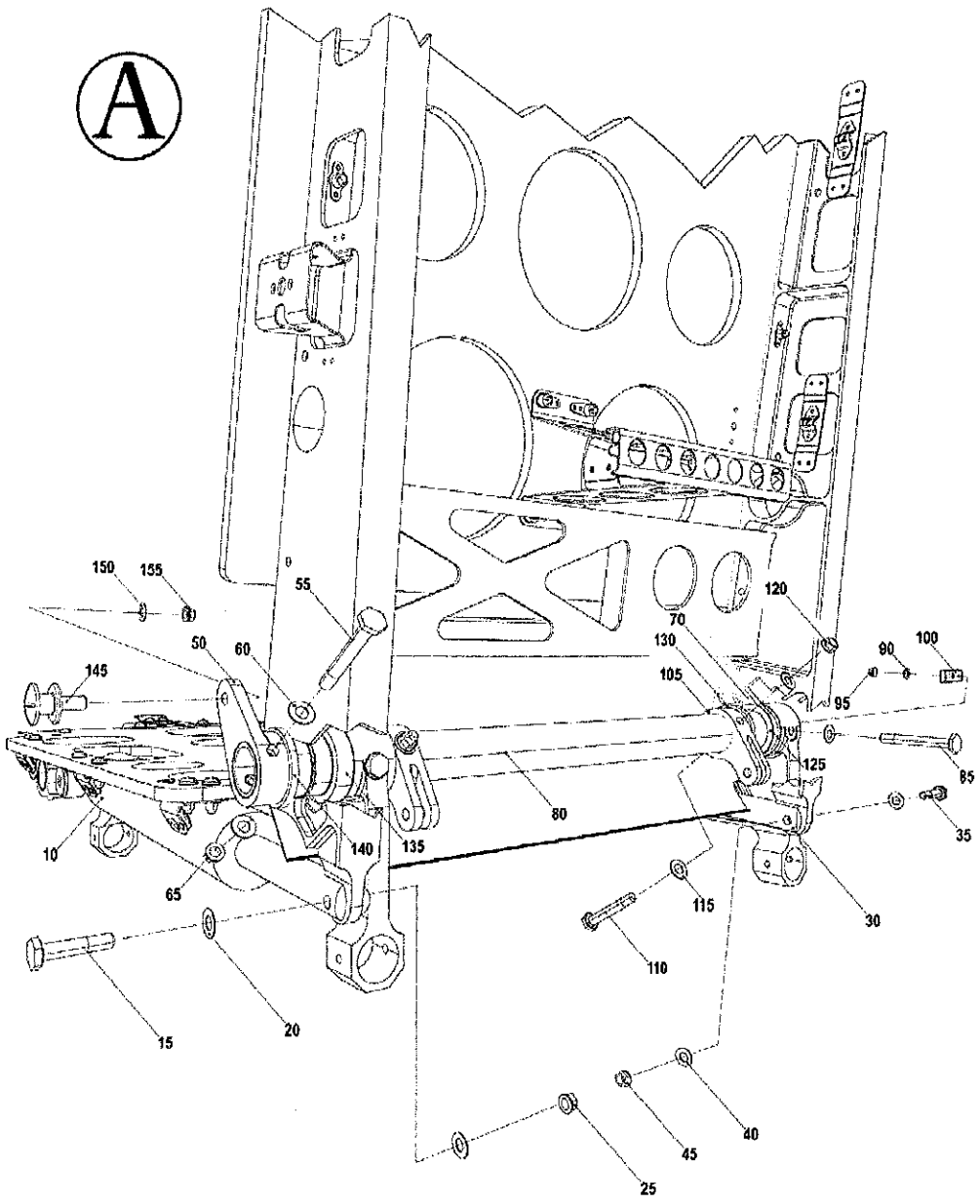


FIGURE 3 - SHEET 2 UPPER SEAT ASSEMBLY

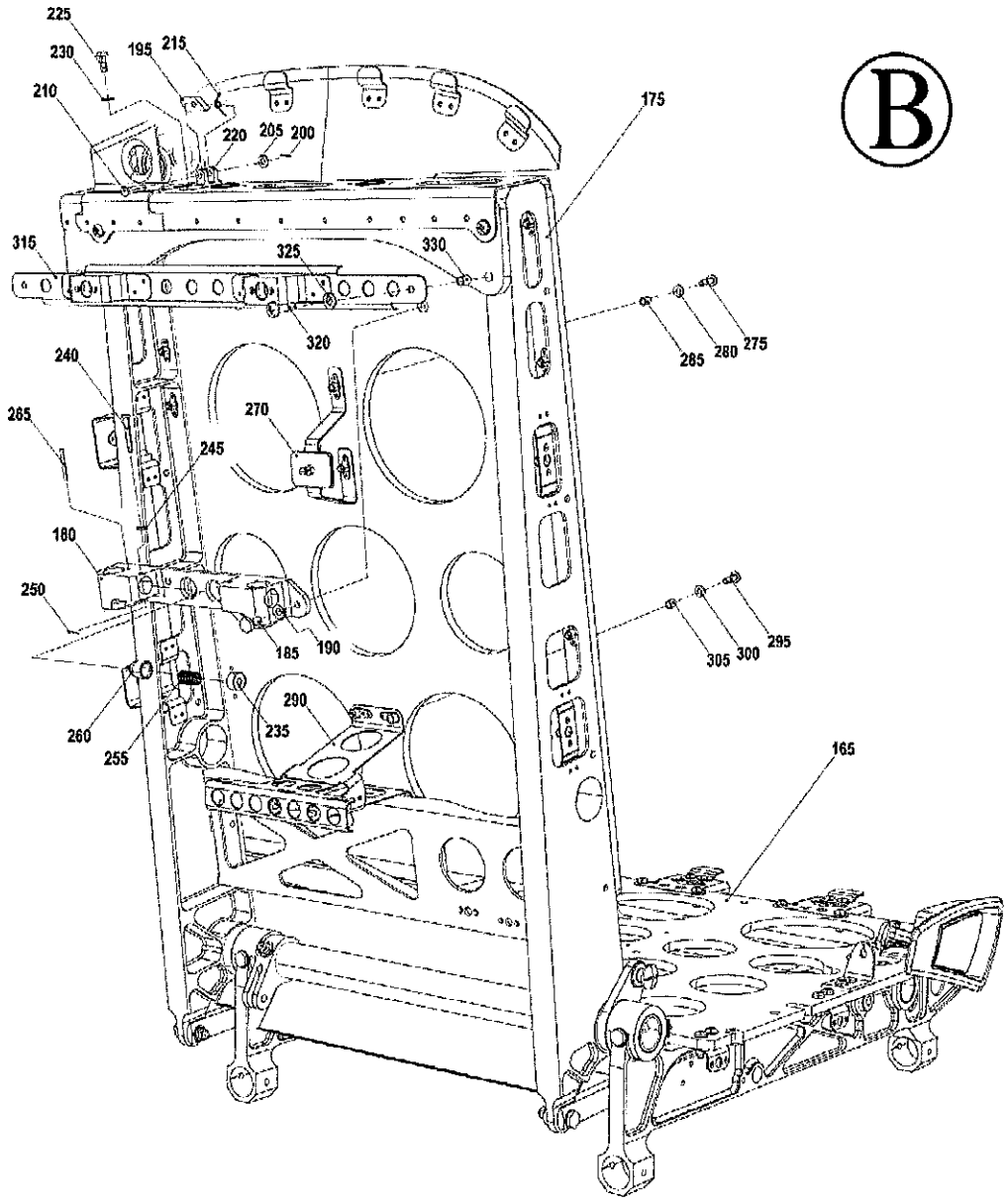


FIGURE 3 SHEET 3 UPPER SEAT ASSEMBLY

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
3-					
-1	0A429-0030		SEAT ASSY, UPPER (REF:FIG 2 FOR NHA)	A	RF
-5	0A429-0029		SEAT ASSY, UPPER (REF:FIG 2 FOR NHA)	B	RF
10	3A519-0011		.RECLINE UNIT		1
			ATTACHING PARTS		
15	NAS6604-11		.BOLT, HEX HD 1:4UNF X 1.113		1
20	SP126E		.WASHER, 1:4UN X 0.018"THK		2
25	H14-4		.NUT, LOCK 1:4UNF (VK1678)		1
			* * *		
30	3A519-0011		.RECLINE UNIT		1
			ATTACHING PARTS		
35	NAS6604-11		.BOLT, HEX HD 1:4UNF X 1.113		1
40	SP126E		.WASHER, 1:4UN X 0.018"THK		1
45	H14-4		.NUT, LOCK 1:4UNF (VK1678)		1
			* * *		
50	3A325-0319		.ANCHOR, LAP BELT		1
			ATTACHING PARTS		
55	NAS6604-23		.BOLT, HEX HD 1:4UNF X 1.863		1
60	SP126E		.WASHER, 1:4UN X 0.018"THK		2
65	H14-4		.NUT, LOCK 10-32UNF (VK1678)		1
			* * *		
70	3A325-0431		.ANCHOR, LAP BELT		1
-75	1A325-0272		.PIVOT TUBE, BACK		1
80	1A325-0271		.PIVOT TUBE, BACK		1
			ATTACHING PARTS		
85	NAS6604-25		.BOLT, HEX HD 1:4UNF 1.987		2

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
3-					
90	SP126E		.WASHER, 1:4UN X 0.018"THK		4
95	H14-4		.NUT, LOCK 1:4UNF (VK1678)		2
			* * *		
100	3A325-0433		.ANCHOR BRACKET, LAP BELT		1
105	3A325-0313		.CONNECTOR LINK, ARMREST		2
			ATTACHING PARTS		
110	NAS6604-23		.BOLT, HEX HD 1:4UNF X 1.863		1
115	SP126E		.WASHER, 1:4UN X 0.018"THK		2
120	H14-4		.NUT, LOCK 1:4UNF (VK1678)		2
			* * *		
125	3A325-0437		.WASHER, THIN		2
130	3A325-0435		.BEARING		1
135	3A325-0317		.BEARING		1
140	3A325-0315		.BEARING		1
145	3A063-0359		.ANCHOR, LAP STRAP		2
			ATTACHING PARTS		
150	SP126E		.WASHER, 1:4UN X 0.018		2
155	H14-4		.NUT, LOCK 1:4UNF (VK1687)		2
-160	0A429-0022		.STRUCTURE ASSY, SEAT PAN (REF:FIG 4 FOR DETAIL)	A	1
165	0A429-0021		.STRUCTURE ASSY, SEAT PAN (REF:FIG 4 FOR DETAIL)	B	1
-170	0A428-0026		.STRUCTURE ASSY, SEAT BACK	A	1
175	0A428-0025		.STRUCTURE ASSY, SEAT BACK	B	1
180	2A325-0357		..GUIDE BLOCK, HEADREST		1
			ATTACHING PARTS		
185	NAS6603-2		..BOLT, HEX HD 10-32UNF X 0.47		4

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
3-					
190	SP126D		..WASHER, 10UN		4
			* * *		
195	3A325-0451		..LATCH		1
			ATTACHING PARTS		
200	SP90C2		..PIN, SPLIT 1:16 X 0.25		1
205	SP126C		..WASHER 8UN		1
210	SP4YA8		..PIN, SHEAR 5/32 X 0.60		1
			* * *		
215	3A325-0457		..SPRING, TORSION		1
220	3A425-0345		..HEADREST, LOCK		1
			ATTACHING PARTS		
225	NAS623-2-3		..SCREW, PAN HD 8-32UNC X 0.464		2
230	SP126C		..WAHSER, 8UN		2
			* * *		
235	3A325-0363		..COLLAR		2
			ATTACHING PARTS		
240	SP113A8		..PIN, C.TOL SHEAR 1:8 X 0.8		2
245	SP122B		..WASHER, 6UN X 0.048"THK		2
250	SP90C2		..PIN, SPLIT 1:16 X 0.250		2
			* * *		
255	1A527-0105		..SPRING COMPRESSION		2
260	3A325-0359		..DETENT, HEADREST		2
265	1A500-0646		..PIN, SPIROL SPRING 3:32 X 0.88		2
270	2A410-0319		..SUPPORT BRACKET, POCKET		1
			ATTACHING PARTS		
275	NAS623-3-6		..SCREW, PAN HD 10-32UNF X 0.651		2
280	SP126D		..WASHER, 10UN X 0.018		2
			* * *		

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
3-					
285	3A323-0293		..SPACER, TUBE		2
290	2A428-0261		..HINGE ASSY, SUPPORT BRACKET		1
			ATTACHING PARTS		
295	NAS623-3-7		..SCREW, PAN HD 10-32UNF X 0.651		4
300	SP126D		..WASHER, 10UN X 0.018		4
305	3A323-0293		..SPACER, TUBE		4
			* * *		
-310	1A410-0272		..CROSS BRACKET, BACK FAIRING		1
315	1A410-0271		..CROSS BRACKET, BACK FAIRING		1
			ATTACHING PARTS		
320	NAS623-3-7		..SCREW, PAN HD 10-32UNF X 0.651		2
325	SP126D		..WASHER, 10UN X 0.018		4
			* * *		
330	3A323-0293		..SPACER, TUBE		2

- ITEM NOT ILLUSTRATED

INTENTIONALLY BLANK

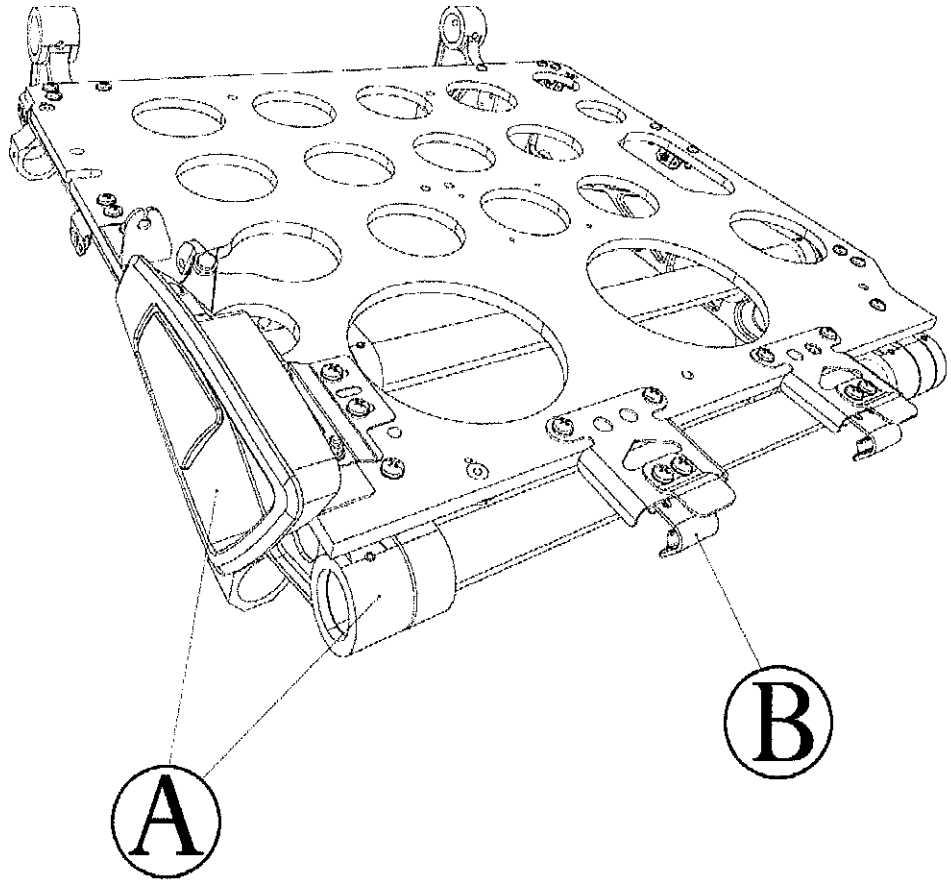


FIGURE 4 - SHEET 1 SEAT PAN STRUCTURE ASSEMBLY

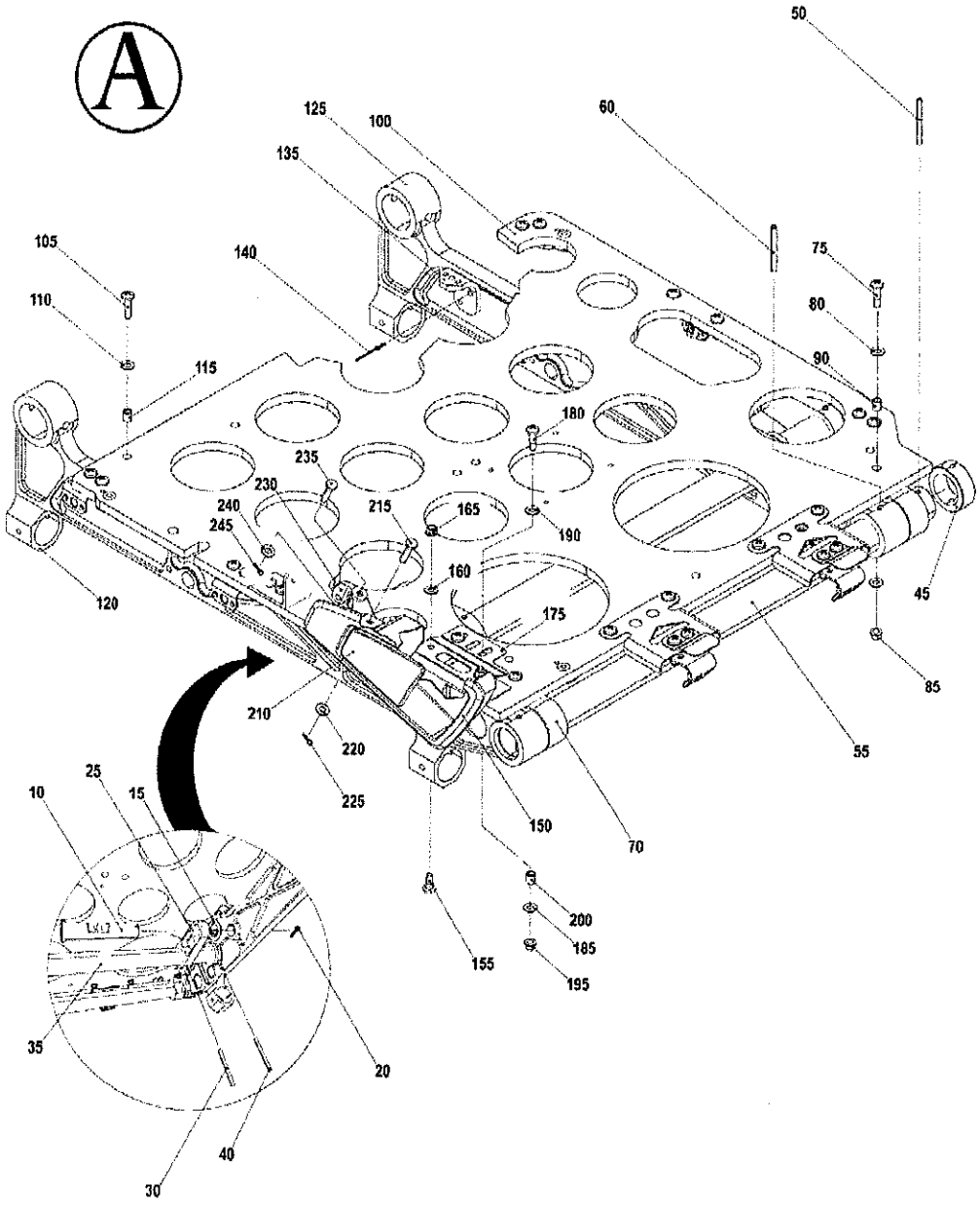


FIGURE 4 - SHEET 2 SEAT PAN STRUCTURE ASSEMBLY

B

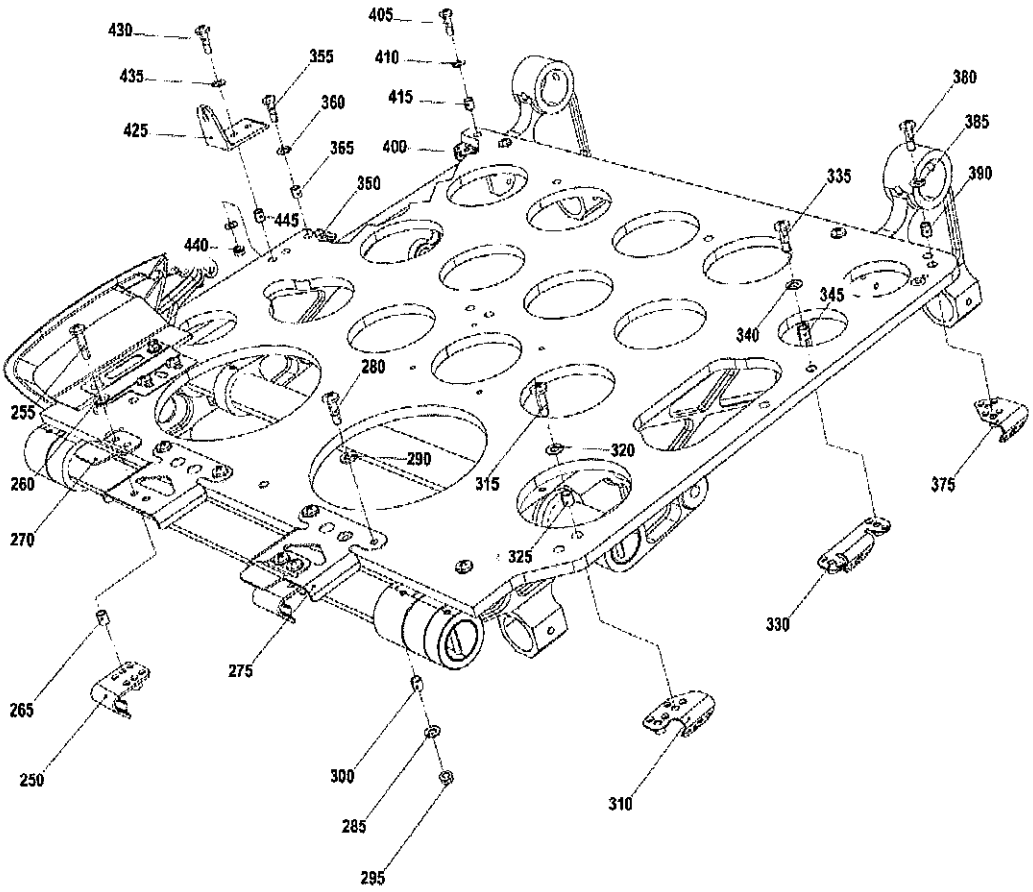


FIGURE 4 – SHEET 3 SEAT PAN STRUCTURE ASSEMBLY

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
4-					
-1	0A429-0022		STRUCTURE ASSY, SEAT PAN (REF: FIG 3 FOR NHA)	A	RF
-5	0A429-0021		STRUCTURE ASSY, SEAT PAN (REF: FIG 3 FOR NHA)	B	RF
10	3A325-0477		.TRUNNION, SEAT PAN		2
			ATTACHING PARTS		
15	3A325-0401		.WASHER		2
20	SP90E10		.PIN, SPLIT 3:32 X 1.250		2
			* * *		
25	3A325-0277		.TRUNNION, SEAT PAN		2
			ATTACHING PARTS		
30	1A500-0667		.PIN, SPIROL SPRING 5:32 X 1.50		2
			* * *		
35	2A325-0479		.TUBE, SEAT PAN		1
			ATTACHING PARTS		
40	1A500-0667		.PIN, SPIROL SPRING 5:32 X 1.50		2
			* * *		
45	3A325-0289		.COLLAR		1
			ATTACHING PARTS		
50	1A500-0667		.PIN, SPIROL SPRING 5:32 X 1.50		1
			* * *		
55	2A425-0439		.FORWARD TUBE, SEAT PAN		1
			ATTACHING PARTS		
60	1A500-0667		.PIN, SPIROL SPRING 5:32 X 1.50		2
			* * *		
-65	3A428-0334		.FORWARD PIVOT, SEAT PAN	A	2
70	3A428-0333		.FORWARD PIVOT, SEAT PAN	B	2
			ATTACHING PARTS		
75	NAS623-3-7		.SCREW, PAN HD 10-32UNF X 0.714		4

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
4-					
80	SP126D		.WASHER, 10UN X 0.018"THK		8
85	H14-3		.NUT, LOCK 10-32UNF (VK1678)		4
			* * *		
90	3A323-0293		.SPACER, TUBE		4
-95	0A428-0274		.BOARD, SEAT PAN	A	1
100	0A428-0273		.BOARD, SEAT PAN	B	1
			ATTACHING PARTS		
105	NAS623-3-7		.SCREW, PAN HD 10-32UNF X 0.714		2
110	SP126D		.WASHER, 10UN X 0.018"THK		2
			* * *		
115	3A323-0293		.SPACER, TUBE		2
120	0A325-0459		.SIDE MEMBER, SET PAN		2
125	0A427-0705		.SIDE MEMBER, SET PAN		2
-130	3A325-0476		.BRACKET, SEAT PAN		1
135	3A325-0475		.BRACKET, SEAT PAN		1
			ATTACHING PARTS		
140	AGS2050-540BS		.RIVET, DM HD 5:32 X 0.40		4
			* * *		
-145	2A410-0222		.HOUSING, LEVER	A	1
150	2A410-0221		.HOUSING, LEVER	B	1
			ATTACHING PARTS		
155	NAS623-3-3		.SCREW, PAN HD 10-32UNF X 0.464		2
160	SP126D		.WASHER, 10UN X 0.018		2
165	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2
			* * *		
-170	3A428-0232		.BRACKET, CONTROL LEVER	A	1
175	3A428-0231		.BRACKET, CONTROL LEVER	B	1

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
4-					
			ATTACHING PARTS		
180	NAS623-3-6		.SCREW, PAN HD 10-32UNF X 0.651		2
185	SP126D		.WASHER, 10UN X 0.018		2
190	SP122D		.WASHER, 10UN X 0.418		2
195	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2
200	3A323-0293		.SPACER, TUBE		2
			* * *		
-205	2A410-0224		.LEVER	A	1
210	2A410-0223		.LEVER	B	1
			ATTACHING PARTS		
215	SP4YB10		.PIN, STEEL 3:16 X 0.70		1
220	SP126D		.WASHER, 10UN X 0.018		1
225	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		
230	3A428-0235		.ADAPTOR, CONTROL LEVER		1
			ATTACHING PARTS		
235	SP4YB9		.PIN, STEEL 3:16 X 0.70		1
240	SP126D		.WASHER, 10UN X 0.018		1
245	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		
250	3A410-0209		.CENTRE BRACKET, SEAT PAN FAIRING		2
			ATTACHING PARTS		
255	NAS623-3-8		.SCREW, PAN HD 10-32UNF X 0.776		4
260	SP126D		.WASHER, 10UN X 0.018		4
			* * *		
265	3A323-0293		.TUBE, SPACER		4
270	3A428-0220		.FORWARD SUPPORT, SEAT PAN		2
275	3A428-0219		.FRONT BRACKET, SEAT PAN		2

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
4-					
			ATTACHING PARTS		
280	NAS623-3-6		.SCREW, PAN HD 10-32UNF X 0.651		2
285	SP126D		.WASHER, 10UN X 0.018		4
290	SP126D		.WASHER, 10UN X 0.048		4
295	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2
			* * *		
300	3A323-0293		.SPACER, TUBE		2
-305	3A428-0220		.SIDE BRACKET, SEAT PAN	A	1
310	3A428-0219		.SIDE BRACKET, SEAT PAN	B	1
			ATTACHING PARTS		
315	NAS623-3-6		.SCREW, PAN HD 10-32UNF X 0.776		2
320	SP126D		.WASHER, 10UN X 0.018		2
			* * *		
325	3A323-0293		.SPACER, TUBE		2
330	3A428-0217		.SIDE BRACKET, SEAT PAN		2
			ATTACHING PARTS		
335	NAS623-3-6		.SCREW, PAN HD 10-32UNF X 0.776		2
340	SP126D		.WASHER, 10UN X 0.018		2
			* * *		
345	3A323-0293		.SPACER, TUBE		2
350	3A410-0215		.BRACKET, SEAT PAN		1
			ATTACHING PARTS		
355	NAS623-3-6		.SCREW, PAN HD 10-32UNF X 0.776		2
360	SP126D		.WASHER, 10UN X 0.018		2
			* * *		
365	3A323-0293		.SPACER, TUBE		2
-370	3A428-0222		.SIDE BRACKET, SEAT PAN	A	1
375	3A428-0221		.SIDE BRACKET, SEAT PAN	B	1

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
4-					
			ATTACHING PARTS		
380	NAS623-3-6		.SCREW, PAN HE 10-32UNF X 0.776		2
385	SP126D		.WASHER, 10UN X 0.018		2
			* * *		
390	3A323-0293		.SPACER, TUBE		2
-395	3A428-0224		.REAR BRACKET, SEAT PAN	A	1
400	3A428-0223		.REAR BRACKET, SEAT PAN	B	1
			ATTACHING PARTS		
405	NAS623-3-6		.SCREW, PAN HE 10-32UNF X 0.776		2
410	SP126D		.WASHER, 10UN X 0.018		2
			* * *		
415	3A323-0293		.SPACER, TUBE		2
-420	3A428-0238		.ANCHOR BRACKET, CABLE	A	1
425	3A428-0237		.ANCHOR BRACKET, CABLE	B	1
			ATTACHING PARTS		
430	NAS623-3-6		.SCREW, PAN HE 10-32UNF X 0.776		2
435	SP126D		.WASHER, 10UN X 0.018		4
			* * *		
440	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2
			* * *		
445	3A323-0293		.SPACER, TUBE		2

- ITEM NOT ILLUSTRATED

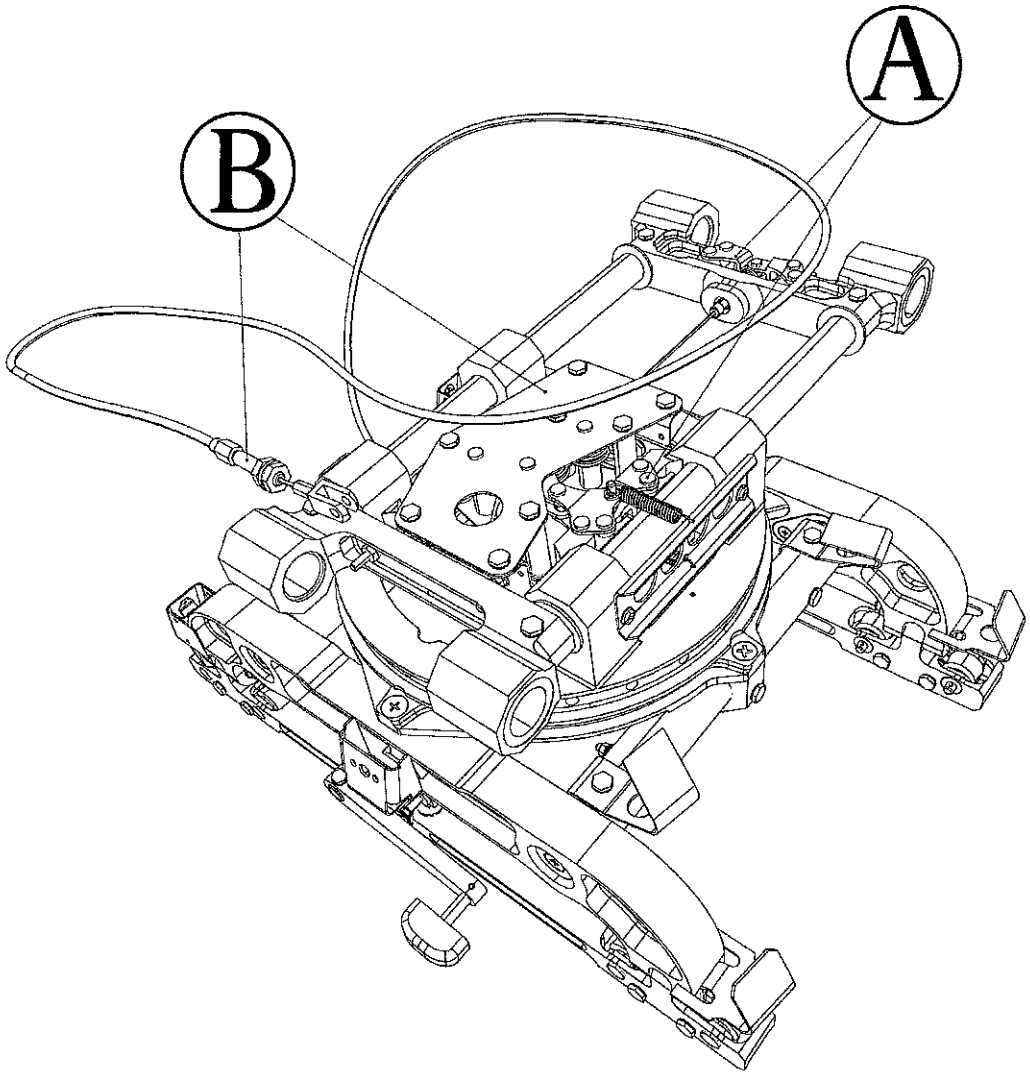


FIGURE 5 - SHEET 1 BASE TURNTABLE AND MECHANISM ASSEMBLY

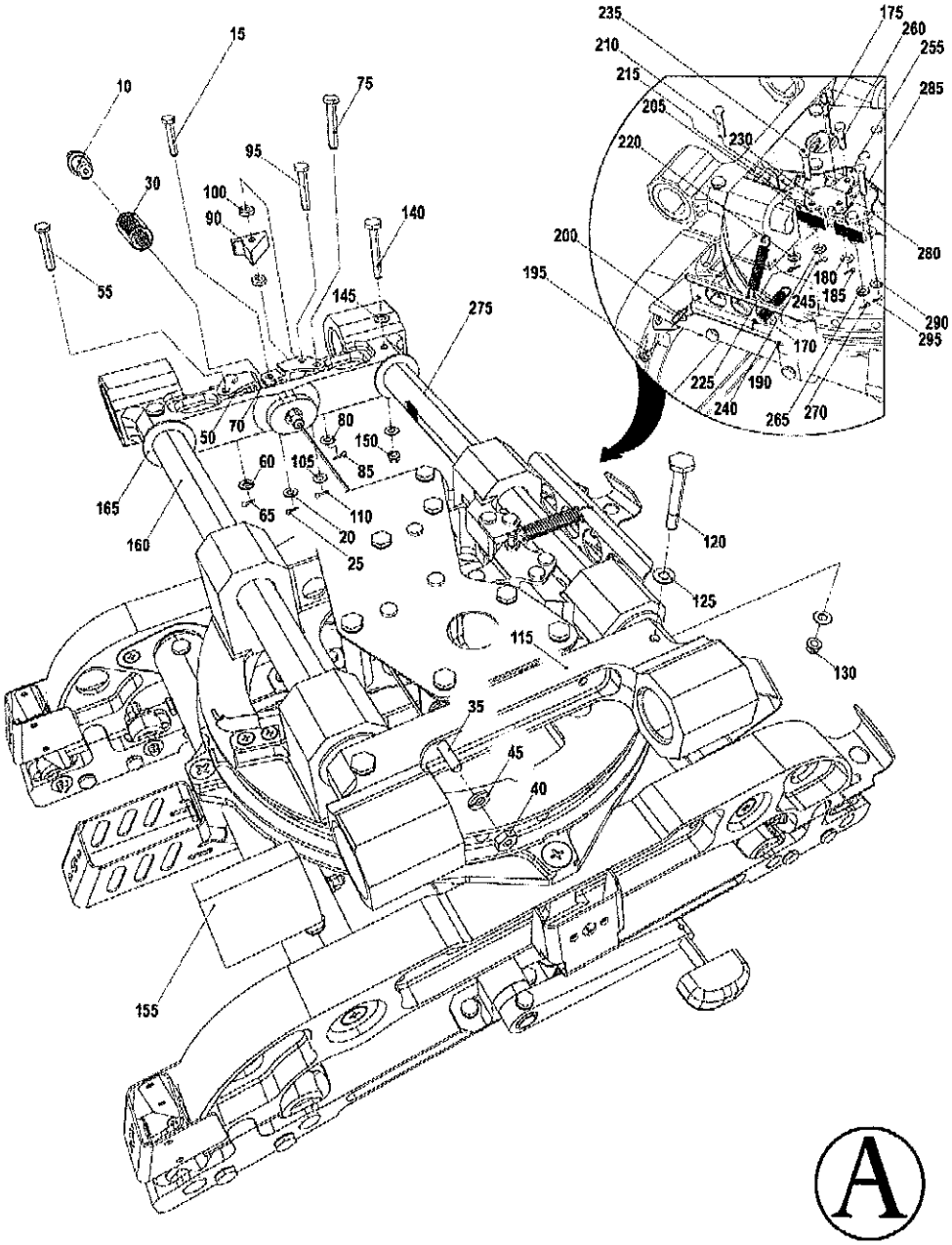


FIGURE 5 - SHEET 2 BASE TURNTABLE AND MECHANISM ASSEMBLY

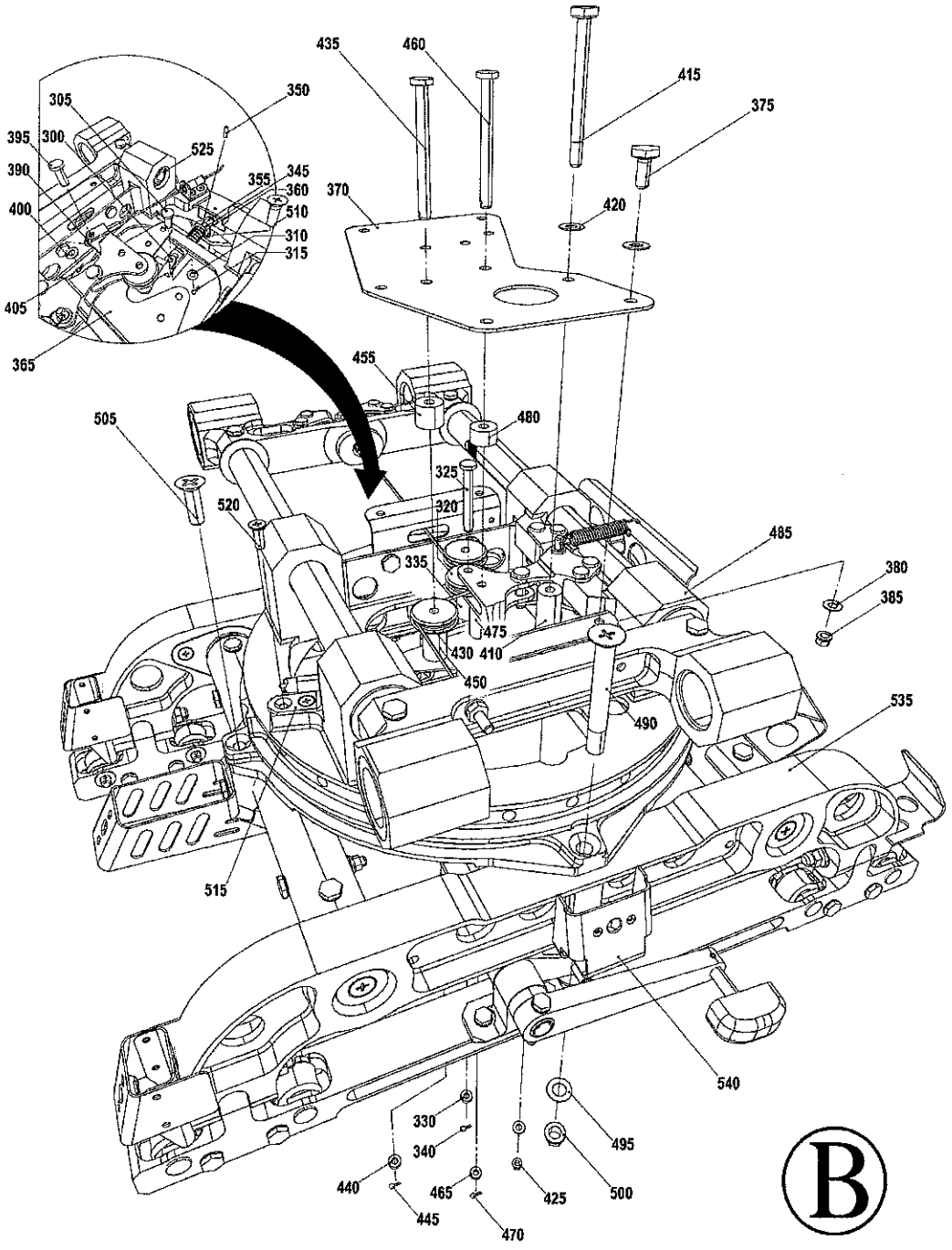


FIGURE 5 - SHEET 3 BASE TURNTABLE AND MECHANISM ASSEMBLY

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
5-					
-1	0A429-0020		BASE TURNTABLE & MECHANISM ASSY (REF: FIG 2 FOR NHA)	A	RF
-5	0A429-0019		BASE TURNTABLE & MECHANISM ASSY (REF: FIG 2 FOR NHA)	B	RF
10	3A323-0405		.END FITTING, CABLE		1
			ATTACHING PARTS		
15	SP4YB6		.PIN, STEEL 3:16 X 0.5		1
20	SP126D		.WASHER, 10UN X 0.018"THK		1
25	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		
30	3A527-0203		.SPRING, COMPRESSION		1
35	3A325-0285		.CABLE, MECHANISM		1
			ATTACHING PARTS		
40	A103DT		.NUT, THIN 10-32UNF		2
45	SP47C		.WASHER, SPRING 10UN		1
-46	SP126G		.WASHER, 5:16UN X 0.018THK		1
			* * *		
50	3A323-0457		.FWD/AFT LINK, SINGLE LUG		1
55	SP4YB13		.PIN, STEEL 3:16 X 0.85		1
60	SP126D		.WASHER, 10UN X 0.018"THK		1
65	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		
70	3A323-0455		.FWD/AFT LINK, DOUBLE LUG		1
			ATTACHING PARTS		
75	SP4YB13		.PIN, STEEL 3:16 X 0.85		1
80	SP126D		.WASHER, 10UN X 0.018"THK		1
85	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY	
5-						
90	3A325-0265		.SERRATED BLOCK, FWD/AFT		2	
			ATTACHING PARTS			
95	SP4YB13		.PIN, STEEL 3:16 X 0.85		2	
100	SP125D		.WASHER, 10UN X 0.104"THK		4	
105	SP126D		.WASHER, 10UN X 0.018"THK		2	
110	SP90C3		.PIN, SPLIT 1:16 X 0.375		2	
			* * *			
115	1A325-0293		.BEARING CARRIER, FWD/AFT		1	
			ATTACHING PARTS			
120	NAS6603-15		.BOLT, HEX HD 10-32UNF X 1.283		2	
125	SP126D		.WASHER, 10UN X 0.018"THK		4	
130	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2	
			* * *			
135	1A325-0291		.BEARING CARRIER, FWD/AFT TAPERED		1	
			ATTACHING PARTS			
140	NAS6603-15		.BOLT, HEX HD 10-32UNF X 1.283		2	
145	SP126D		.WASHER, 10UN X 0.018"THK		4	
150	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2	
			* * *			
155	0658-025-00		.BALL BEARING, LINEAR (VK9075)		4	
160	2A325-0245		.TUBE, LATERAL		1	
165	3A325-0703		.SPACER		4	
170	1A527-0029		REPLCD BY ITEM 170A		2	R
-170A	1A527-0201		.SPRING, EXTENSION (REPLCS ITEM 170)		2	R
			ATTACHING PARTS			
175	3A325-0257		.SHEAR PIN, SPECIAL		1	
180	SP126D		.WASHER, 10UN X 0.018"THK		1	

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY	
5-						
185	SP90C3		.PIN, SPLIT 1:16 X 0.375		1	
			* * *			
190	3A325-0255		.BRACKET, SPRING ANCHOR		1	
			ATTACHING PARTS			
195	A217C8		.SCREW, PAN HD 8-32UNC X 0.250		2	
200	SP126C		.WASHER, 8UN X 0.018"THK		2	
			* * *			
205	3A327-0215		.SERRATED BLOCK, (LATERAL)		2	
			ATTACHING PARTS			
210	SP4YB13		.PIN, STEEL		2	
215	SP125D		.WASHER, 10UN X 0.104"THK		4	
220	SP126D		.WASHER, 10UN X 0.018"THK		2	
225	SP90C3		.PIN, SPLIT 1:16 X 0.375		2	
			* * *			
230	3A323-0459		.LATERAL LINK, DOUBLE LUG		1	
			ATTACHING PARTS			
235	SP4YB13		.PIN, STEEL 3:16 X 0.85		1	
240	SP126D		.WASHER, 10UN X 0.018"THK		1	
245	SP90C3		.PIN, SPLIT 1:16 X 0.375		1	
			* * *			
-250	3A323-0368		DLTD			R
255	3A323-0367		.MAIN FITTING, OPERATING CABLE		1	R
			ATTACHING PARTS			
260	SP4YB10		.PIN, STEEL 3:16 X 0.70		1	
265	SP126D		.WASHER, 10UN X 0.018"THK		2	
270	SP90C3		.PIN, SPLIT 1:16 X 0.375		1	
			* * *			
275	1A427-0213		.SERRATED TUBE, LATERAL		1	
280	3A327-0209		.LATERAL LINK, SINGLE LUG		1	

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
5-					
			ATTACHING PARTS		
285	SP4YB13		.PIN, STEEL 3:16 X 0.85		1
290	SP126D		.WASHER, 10UN X 0.018"THK		1
295	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		
300	3A325-0239		.LINK, ROTATION LOCK PIN		1
			ATTACHING PARTS		
305	SP4YB4		.PIN, STEEL 3:16 X 0.40		1
310	SP126D		.WASHER, 10UN X 0.018"THK		1
315	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		
320	3A323-0379		.PULLEY, CABLE		1
			ATTACHING PARTS		
325	SP4YB19		.PIN, STEEL 3:16 X 1.30		1
330	SP125D		.WASHER, 10UN X 0.104"THK		1
335	3A323-0397		.COLLAR		1
340	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		
345	3A325-0237		.COLLAR, ROTATION LOCK PIN		1
			ATTACHING PARTS		
350	2A500-0844		.PIN, SPIROL SPRINT 1:16 X 0.63		1
			* * *		
355	3A325-0483		.LOCK PIN, ROTATIONAL		1
360	1A527-0120		.SPRING, COMPRESSION		1
365	3A323-0381		.SUPPORT PLATE, LOWER		1
370	3A323-0383		.SUPPORT PLATE, UPPER		1
			ATTACHING PARTS		
375	NAS6603-1		.BOLT, HEX HD 10-32UNF X 0.407		4

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
5-					
380	SP126D		.WASHER, 10UN X 0.018"THK		8
385	H14-3		.NUT, LOCK 10-32UNF (VK1678)		4
			* * *		
390	2A428-0211		.CABLE, OPERATING		1
			ATTACHING PARTS		
395	SP4YB4		.PIN, STEEL 3:16 X 0.40		1
400	SP126D		.WASHER, 10UN X 0.018"THK		1
405	SP90C3		.PIN, SPLIT 1:16 X 0.375		1
			* * *		
410	3A323-0389		.COLLAR		4
			ATTACHING PARTS		
415	NAS6603-25		.BOLT, HEX HD 10-32UNF X 1.907		4
420	SP126D		.WASHER, 10UN X 0.018"THK		8
425	H14-3		.NUT, LOCK 10-32UNF (VK1678)		4
			* * *		
430	3A323-0379		.PULLEY CABLE		2
			ATTACHING PARTS		
435	SP4YB23		.PIN, STEEL 3:16 X 1.70		2
440	SP125D		.WASHER, 10UN X 0.104"THK		2
445	SP90C3		.PIN, SPLIT 1:16 X 0.375		2
450	3A323-0391		.COLLAR, LONG		2
455	3A323-0393		.COLLAR, SHORT		2
			* * *		
460	SP4YB23		.PIN, STEEL 3:16 X 1.70		1
465	SP125D		.WASHER, 10UN X 0.104"THK		1
470	SP90C3		.PIN, SPLIT 1:16 X 0.375		1

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
5-					
475	3A323-0395		.COLLAR, LONG		1
480	3A323-0399		.COLLAR, SHORT		1
485	0A325-0017		.TURNTABLE ASSY		1
			ATTACHING PARTS		
490	NAS517-5-30		.SCREW, C'SK HD 5:16UNF 2.406		2
495	SP126G		.WASHER, 5:16UN X 0.018"THK		2
500	H14-5		.NUT, LOCK 5:16UN (VK1678)		2
505	NAS2804-5		.SCREW, C'SK HD 1:4UNF 0.768		2
510	NAS517-4-3		.SCREW, C'SK HD 1:4UNF 0.656		2
515	3A428-0395		.ANCHOR BRACKER, CABLE		1
			ATTACHING PARTS		
520	NAS2804-5		.SCREW, C'SK HD 1:4UNF 0.768		2
			* * *		
525	3A325-0507		.SLEEVE		2
-530	0A325-0016		.STRUCTURE ASSY, BASE (REF:FIG7)	A	1
535	0A325-0015		.STRUCTURE ASSY, BASE (REF:FIG7)	B	1
540	2A418-0203		.SIDE BRACKET, BASE FAIRING		1

- ITEM NOT ILLUSTRATED

INTENTIONALLY BLANK

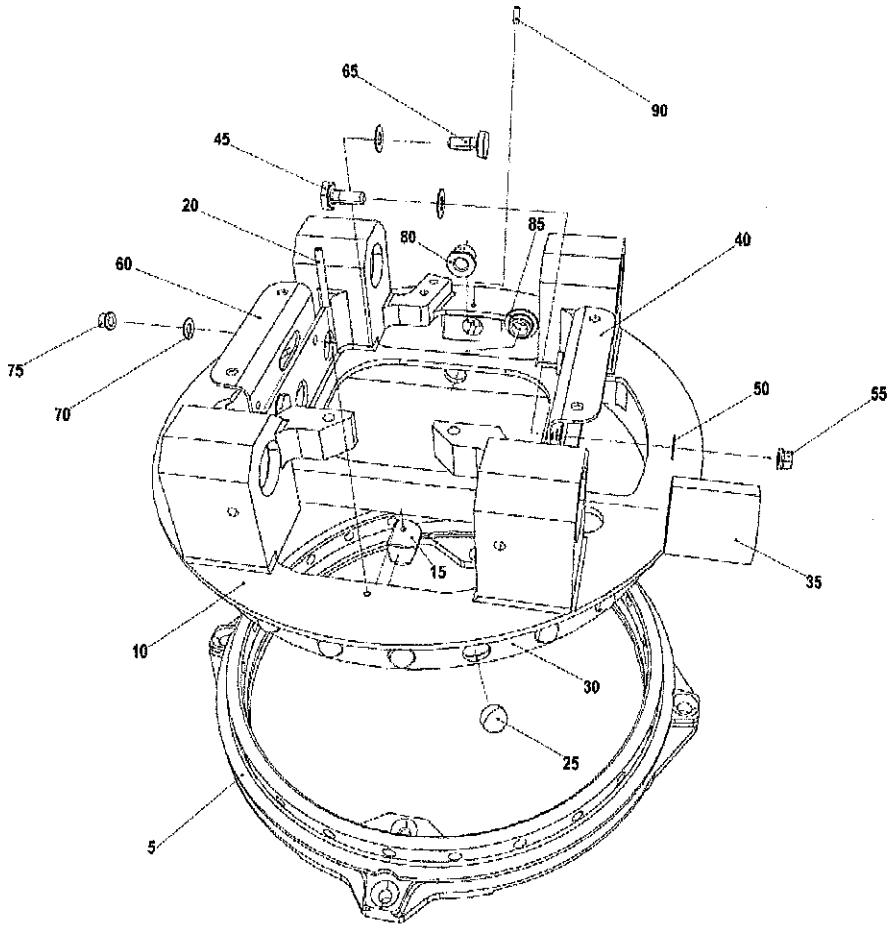


FIGURE 6 - TURNTABLE ASSEMBLY

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
6-					
-1	0A325-0017		TURNTABLE ASSY (REF: FIG 5 FOR NHA)		RF
-5	1A325-0215		.BALLRACE, OUTER		1
10	0A325-0217		.BALLRACE, INNER		1
15	3A325-0219		..PLUG		1
			ATTACHING PARTS		
20	1A500-0644		..PIN, SPIROL SPRINT 3:32 X 0.75		1
25	3A500-0927		.BALL, PRECISION		24
30	3A325-0235		.RETAINER, BALL BEARING		1
35	0658-020-00		.BEARING, LINEAR (VK9075)		4
40	3A323-0386		.SUPPORT PLATE, ANGLE		1
			ATTACHING PARTS		
45	NAS6603-2		.BOLT, HEX HD 10-32UNF X 0.470		2
50	SP126D		.WASHER, 10UN X 0.018"THK		4
55	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2
			* * *		
60	3A323-0385		.SUPPORT PLATE, ANGLE		1
			ATTACHING PARTS		
65	NAS6603-2		.BOLT, HEX HD 10-32UNF X 0.470		2
70	SP126D		.WASHER, 10UN X 0.018"THK		4
75	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2
			* * *		
80	3A325-0223		.BEARING		1
85	3A325-0225		.BEARING		1
90	1A500-0693		.PIN, SPIROL SPRING 3:32 X 0.25		1

- ITEM NOT ILLUSTRATED

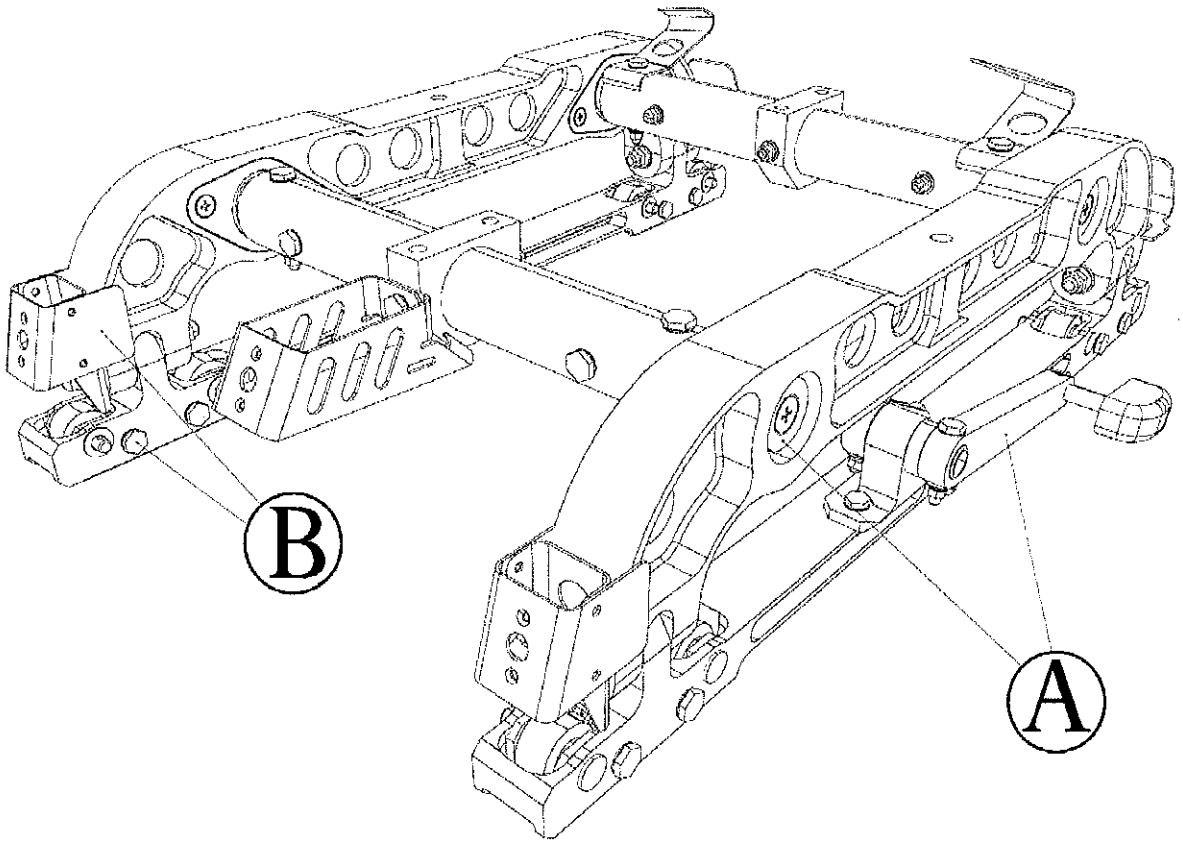


FIGURE 7 - SHEET 1 BASE STRUCTURE ASSEMBLY

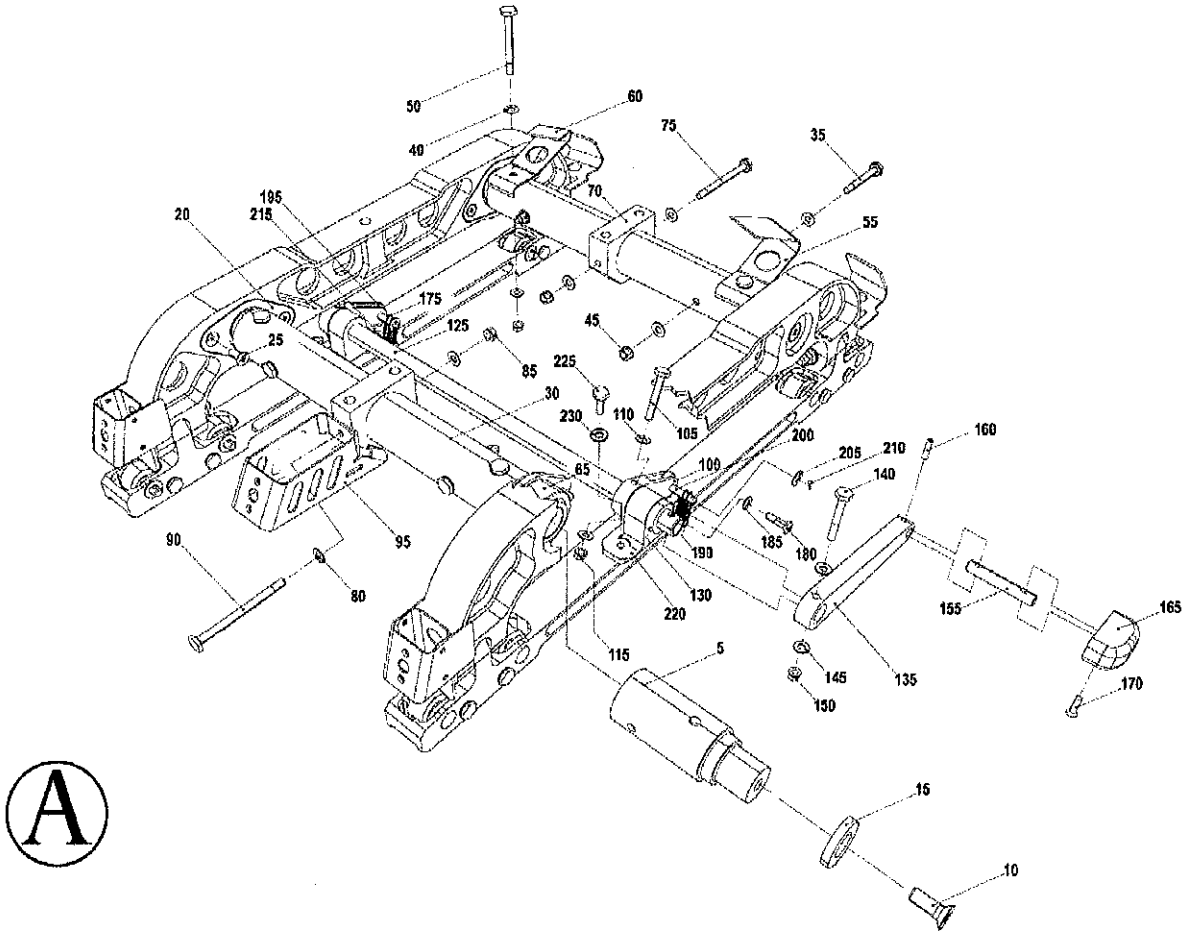


FIGURE 7 - SHEET 2 BASE STRUCTURE ASSEMBLY

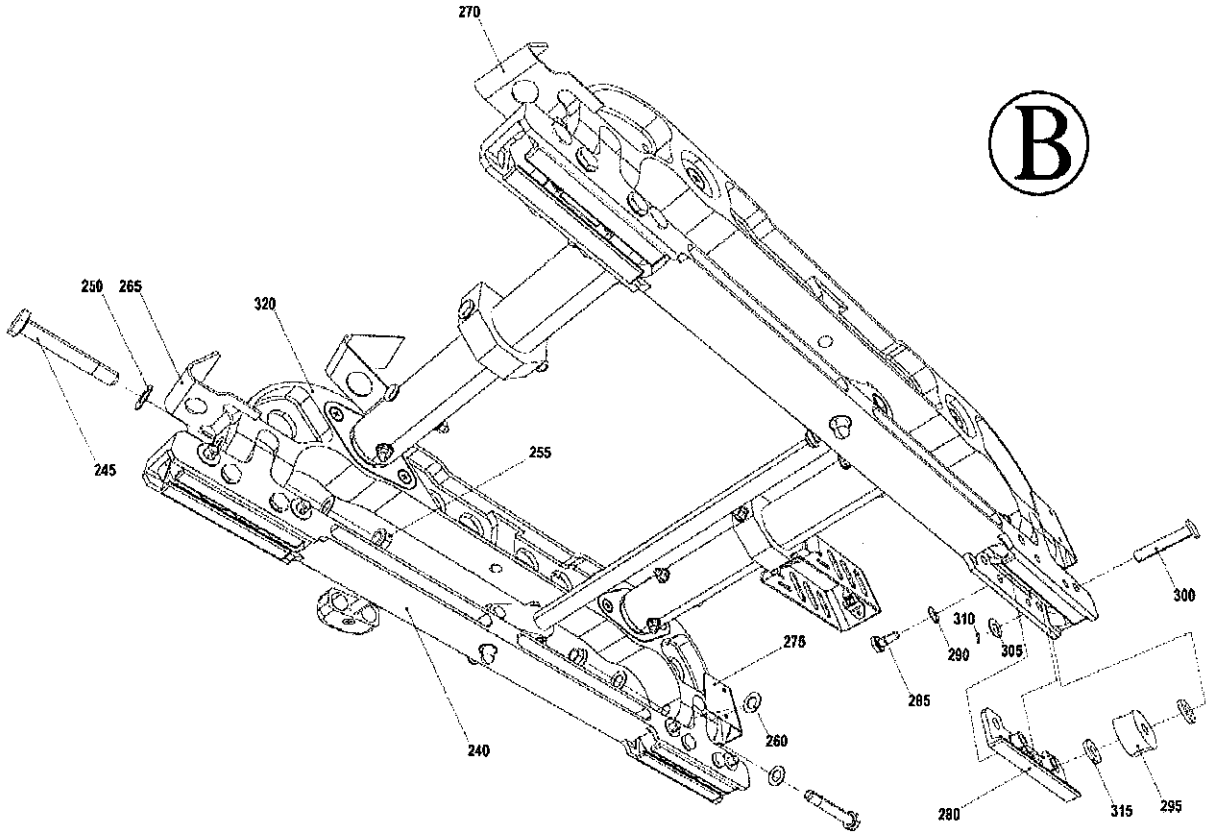


FIGURE 7 - SHEET 3 BASE STRUCTURE ASSEMBLY

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
7-					
-1	0A429-0016		BASE STRUCTURE ASSY (REF: FIG 5 NHA)	A	RF
-3	0A429-0015		BASE STRUCTURE ASSY (REF: FIG 5 NHA)	B	RF
5	3A325-0241		.END, FITTING		4
			ATTACHING PARTS		
10	NAS517-4-3		.SCREW, C'SK HD 1:4UNF X 0.656		4
15	3A325-0251		.WASHER		4
			* * *		
20	3A325-0249		.RETAINER, BEARING		4
			ATTACHING PARTS		
25	NAS517-3-1		.SCREW, C'SK HD 10-32UNF X 0.469		8
			* * *		
30	2A325-0243		.TUBE		2
			ATTACHING PARTS		
35	NAS6603-20		.BOLT, HEX HD 10-32UNF X 1.595		6
40	SP126D		.WAHSER 10UN X 0.018"THK		16
45	H14-3		.NUT, LOCK 10-32UNF (VK1678)		8
50	NAS6603-21		.BOLT, HEX HD 10-32UNF X 1.657		2
			* * *		
55	2A410-0356		.UPPER BRACKET, BASE FAIRING		1
60	2A410-0355		.UPPER BRACKET, BASE FAIRING		1
-65	MS22133-12		.BEARING, PLAIN		4
70	3A325-0485		.BLOCK, MOUNTING		2
			ATTACHING PARTS		
75	NAS6602-31		.BOLT, HEX HD 10-32UNF X 2.283		2
80	SP126D		.WAHSER 10UN X 0.018"THK		4
85	H14-3		.NUT, LOCK 10-32UNF (VK1678)		2

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
7-					
90	NAS6602-34		.BOLT, HEX HD 10-32UNF X 2.470		1
			* * *		
95	2A410-0359		.REAR BRACKET, BASE FAIRING		1
100	3A039-0267		LEVER		2
105	A102-7C		.BOLT, HEX HD 8-32UNC X 1.15		2
110	SP126C		.WASHER, 8UN X 0.018"THK		4
115	H14L08		.NUT, LOCK 8-32UNC (VK1678)		2
-120	2A426-0216		.CONTROL TUBE, TRACK	A	1
125	2A426-0215		.CONTROL TUBE, TRACK	B	1
130	3A426-0231		.SPACER, TUBE		1
135	3A426-0219		.LEVER, TUBE		1
			ATTACHING PARTS		
140	A102-7C		.BOLT, HEX HD 8-32UNC X 1.15		1
145	SP126C		.WASHER, 8UN X 0.018"THK		2
150	H14108		.NUT, LOCK 8-32UNC (VK1678)		1
155	3A346-0221		.CONTROL ROD, LEVER		1
			ATTACHING PARTS		
160	1A500-0648		.PIN, SPIROL SPRING 1:8 X 0.50		1
			* * *		
165	3A346-0227		.CONTROL KNOB		1
			ATTACHING PARTS		
170	MS24693S28		.SCREW, C'SK HD 6-32UNC X 0.588		1
			* * *		
175	1A527-0008		.SPRING EXTENSION		2
			ATTACHING PARTS		
180	NAS623-2-5		.SCREW, PAN HD 8-32UNC X 0.588		2
185	SP126C		.WASHER, 8UN X 0.018"THK		2
			* * *		

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
7-					
190	3A426-0235		.SPRING, STAND OFF		2
195	3A426-0211		.PIN, TRACKLOCK		2
			ATTACHING PARTS		
200	SP4YB16		.PIN, STEEL		2
205	SP126D		.WASHER, 10UN X 0.018"THK		2
210	SP90C3		.PIN, SPLIT 1:16 X 0.375		2
			* * *		
215	3A426-0209		.BUSH, TRACK PIN		2
220	3A426-0213		SUPSD BY ITEM 220A		2
-220A	2A426-0257		.BLOCK, BEARING (SUPSDS ITEM 220)		2
			ATTACHING PARTS		
225	A102-1C		.BOLT, HEX HD 8-32UNC X 0.55		4
230	SP126C		.WASHER 8UN X 0.018"THK		4
-235	1A426-0204		.TRACK MEMBER, BASE	A	2
240	1A4265-0203		.TRACK MEMBER, BASE	B	2
			ATTACHING PARTS		
245	NAS6605-25		.BOLT, HEX HD 5:16UNF X 2.031		4
250	SP126G		.WASHER, 5:16 X 0.018"THK		8
255	H15-5		.NUT, LOCK 5:16 (VK1678)		8
			* * *		
260	SP126G		.WASHER, 5:16 X 0.018"THK		A/R
265	2A429-0203		.BRACKET, BASE FAIRING		1
270	2A429-0204		.BRACKET, BASE FAIRING		1
275	2A429-0201		.BRACKET, BASE FAIRING		2
280	3A426-0205		.PLATE, CLAW		8
			ATTACHING PARTS		
285	NAS6603-3		.BOLT, HEX HD 10-32UNF X 0.533		16

- ITEM NOT ILLUSTRATED

FIG. ITEM	PART NUMBER	AIRLINE PART NUMBER	1234567 NOMENCLATURE	EFF. CODE	PER ASSY
7-					
290	SP126D		.WASHER, 10UN X 0.018"THK		16
			* * *		
295	3A426-0253		.ROLLER, TRACK		8
			ATTACHING PARTS		
300	3A426-0237		.PIN, ROLLER		8
305	SP126E		.WASHER, 1:4UN X 0.018"THK		8
310	SP90C4		.PIN, SPLIT 1:16 X 0.50		8
315	3A426-0255		.SPACER		16
			* * *		
320	1A427-0201		.SIDE MEMBER, BASE		2
325	3A426-0259		.BEARING		2

- ITEM NOT ILLUSTRATED

LETTER OF TRANSMITTAL NO. 3

FOR THE REVISION TO THE: 25-21-24 (3A429-0007/08/57/58)
COMPONENT MAINTENANCE MANUAL

PAGES DATED AS ISSUED

REASON FOR REVISION:

To issue amendments to Component Maintenance Manual where changes have been made which affect maintenance, overhaul and repair.

PROCEDURE:

1. Remove the following pages from the Manual:

   T-1, LEP-1, LEP-3, 1015, 1016, 1016.1, 1050, 1051

   and replace with the amended pages dated: 7 SEP/11

2. Record the incorporation of revision number: 3
   on the revision sheet.

3. File this letter of transmittal to follow the revision record sheet.

   This certifies compliance with EASA PART 21.

THIS REVISION COMPLIES WITH EASA PART 21. THE TECHNICAL ACCURACY OF THIS REVISION HAS BEEN VERIFIED AND CERTIFIED AS CORRECT.

SIGNED: _____

DATE: 7TH SEPT. 2011

EASA PART 21 SUBPART G APPROVAL NO UK.21G.2071.

TO: HOLDERS OF: 25-21-24 (3A429-0007/08/57/58)
COMPONENT MAINTENANCE MANUAL

REVISION NO. 3 DATED 7 SEP/11

HIGHLIGHTS

PAGES WHICH HAVE BEEN REVISED OR ADDED ARE LISTED BELOW TOGETHER WITH THE HIGHLIGHTS OF THE REVISION.

PAGE NO.	DESCRIPTION OF CHANGE
T-1	REVISION 3 DETIALS ADDED.
LEP-1) LEP-3)	PAGE DATES REVISED.
1015) 1016) 1016.1)	REVISED TO REFLECT IPL.
1050	ITEM 170A REPLACED ITEM 170.
1051	ITEM 250 DELETED, ITEM 255 EFFECTIVITY CODES REMOVED.