

TPX-720

Change # 0

in effect previous to 5-15-8

- | | | |
|---------|-------------------|---------------|
| 1. R53 | 43k Ω Now | 9-4711-543-20 |
| 2. R54 | 51k Ω | 9-4711-547-20 |
| 3. R88 | 27k Ω Now | 9-4711-527-20 |
| 5. R136 | 100k Ω Now | 9-4711-610-20 |
| 7. T15 | Changed Turns | 1900-3330-01 |
| 8. T18 | Loop To Bd. | 1900-3390-01 |
| 9. C47 | 4.7 pf | 9-1502-047-70 |
| 10. Q20 | Bead on Base | 9-2520-114-00 |
| 11. C89 | 470 pf | 9-1501-247-72 |

TPX-720

Change #1

effective 2-19-81

1. C23	.001 uf	9-1501-310-60
2. C42	39 uf	9-1502-139-00
3. C62	.047 uf	9-1503-447-00
4. C95	470 pf	9-1501-247-72
5. C115	22 pf	9-1502-122-00
6. C122	delete	9-1501-410-10
7. C125	10 uf	9-1517-100-00
8. C130	120 pf	9-1501-212-71
9. R78	270 Ω	9-4711-327-20
10. R111	1k Ω	9-4711-410-20
11. R132	1k Ω	9-4711-410-20
12. R137	10 Ω	9-4711-210-20
13. R149	2.2 M Ω	9-4711-722-20

Changed Again

14. C47	10 pf	9-1502-110-70
15. C78	.047 uf	9-1503-447-00
16. C108	47 pf	9-1502-147-70
17. R136	1M Ω	9-4711-710-20

(see change # 6)
(see change # 2)

Change #2

effective 3-10-81

- | | | | | |
|----|------|--------|-------------------|---------------|
| 1. | C39 | 47 pf | optional to 33 pf | 9-1502-147-70 |
| 2. | C77 | 120 pf | | 9-1501-212-71 |
| 3. | C81 | 120 pf | | 9-1501-212-71 |
| 4. | C83 | 120 pf | | 9-1501-212-71 |
| 5. | C90 | 10 pf | | 9-1502-110-70 |
| 6. | C108 | 39 pf | | 9-1502-139-71 |
| 7. | C118 | 120 pf | | 9-1501-212-71 |
| 8. | C131 | 10 pf | | 9-1502-110-70 |

Changed Again

- | | | | | |
|----|-----|---------------|--|---------------|
| 9. | R54 | 47 k Ω | | 9-4711-547-20 |
|----|-----|---------------|--|---------------|

Change #3

effective 4-2-81

- | | | | | |
|----|-----|--------|--|---------------|
| 1. | R73 | delete | | |
| 2. | C59 | .01 uf | | 9-1501-410-10 |

Changed Again

- | | | | | |
|----|----|-------|-----------------|---------------|
| 3. | L9 | 47 uh | (see change #6) | 9-1849-050-00 |
|----|----|-------|-----------------|---------------|

Change # 4		effective 4-28-81
1. R115	270 Ω	9-4711-327-20
2. R72	2.7K Ω	9-4711-427-20
3. R133	10 Ω + 1 Bead ^{BEAD} 9-2520-114-00	9-4711-210-20 ^{10Ω}
4. R138	47K Ω	9-4711-547-20
5. CR 34	Install 1N277	9-4810-116-00
6. C10	120 pf	9-1501-212-71
7. C72	.1 μ f	9-1517-001-00
Changed Again		
8. R140	wire + 2 Beads (see change #5)	9-2520-114-00 ^{Bead}

Change # 5		effective 5-7-81
1. R69	680 Ω	9-4711-368-20
2. R129	270 Ω	9-4711-327-20
3. R140	10 Ω + 1 Bead ^{Bead} 9-2520-114-00	9-4711-210-20 ^{10Ω}
4. C50	470pf optional to .01 μ f	9-1501-410-10 ^{.01}
5. C51	120 pf optional to 220pf	9-1501-212-71 ¹²⁰
Changed Again		
6. R53	47K Ω	9-4711-547-20
7. R54	47K Ω	9-4711-547-20

Change #6

effective 8-27-81

1. C78 1uf
2. C88 120pf
3. C132 120pf
4. L9 39uh

9-1517-010-00
9-1501-212-71
9-1501-212-71
9-1849-056-00

Change #7

1. Q17 add Ferrite Bead to Base
2. C73 120pf

^{Bead}
9-2520-114-00
9-1501-212-71

Reduce Distortion + Improve Freq Response

Mod Comp. Improvement

Mod #1

1. R81 47k Ω
2. R89 2.2 k Ω
3. R150 add 10 k Ω
4. R151 add 47k Ω
5. C63 220 p f

Effective 12-31-81

9-4711-547-20

9-4711-422-20

9-4711-510-20

9-4711 547-20

9-1501-222-70

L6 Variability

Mod #2

6-18-82

9-4711-522-20

1. R61 22 k Ω
2. C50 100-220 p f select
3. C51 56-150 p f select
4. L6
5. CR35 1N4740A Zener
High V. Unit Inop.

9-5640-313-10

9-4814-158-00

Diode Blowing
from Current Surge

Mod #3

8-4-82

9-4812-106.00

1. CR10 To 1N4003
2. CR11 To 1N4003

9-4812-106.00

SN# EFF: 1025420 Mod #4

8-30-82

1. pin Contact To Connector 9-2144-110-00
2. Socket Contact To Connector 9-2144-110-00
3. C135 Add 220pf 9-1501-222-70
4. C33 ^{Low V. op.} To 100pf 9-1502-210-10
5. C39 To 39pf 9-1502-139-00
6. C50 To 180pf 9-1501-218-50

SN# EFF: 1125741 Mod #5

10-22-82

1. R151 Add 1k Ω 9-4711-410-20
 2. R152 Add 5.6k Ω 9-4711-456-20
 3. C136 Add 1.0mf Tant. 9-1512-610-50
- Balance int. + ext. Mic.

SN# EFF: Mod #6

12-30-82

1-10-83

1. C23 To 470pf 9-1501-247-72
 2. R29 [↑] To 2.2M Ω 9-4711-722-20
Reduce High Freq. Roll off
 3. T1 Delete
 4. C1 To 27pf 9-1502-127-10
 - ~~5. C2 To 6.8pf 9-1502-068-70~~
 6. R1 Delete ← see addition to Mod #6
 7. CR2 Delete
 8. CR31 Delete
- IMPROVE SENSITIVITY

TPX-720

Addition to Mod #6

1-20-83

1. C2 to 4.7 pf

9-1502-047-70

2. C7 to 10 pf

9-1502-110-70

TPX-720

Addition to Mod #6

1-20-83

1. C2 To 4.7 p f 9-1502-047-70
2. C7 To 10 p f 9-1502-110-70

Addition To Mod #6

2-22-83

- ~~1. C54 To 3.9 p f (select) 9-1502-039-70~~
2. C72 To .047 u f (Lower Int. Mic.) 9-1503-447-00

SN# Effective 336786 Addition to Mod #6 3-22-83

1. R151 Delete 9-4711-347-20
2. R132 To 470 Ω
3. C76 To 8.2 p f 9-1502-082-70
4. Reposition Harness

Addition To Mod #6

7-15-83

1. C14 To 100 p f 9-1502-210-10
2. C33 To 82 p f 9-1503-182-00
3. C34 To 33 p f 9-1502-133-70

Addition To Mod #6

8-4-83

1. ~~B~~ 39 To 33 p f 9-1502-133-70
2. C54 To 12 p f 9-1502-112-60
3. L10 Add 47 u h 9-1849-050-00
4. C136 Add 10 p f 9-1502-110-70

DESCRIPTION:

EFFECTIVITY: NEXT PRODUCTION RUN.

Entered into IBM 12-30-82

#6
Part of Mod

REVISION:

DOCUMENTS

REV
LTR

Bill of Materials
Process Instructions
Schematics

DISPOSITION

- ☐ NONE
☐ USE
☐ REWORK - COST:
☐ SCRAP - COST:
☐ NOTED

MODEL

NO.

TPX 720

PROJECT ENGINEER —

Does this change affect interchange ability or existing Dynair published specifications?
YES _____ NO _____

SALES APP _____

PRESIDENT APP _____

REASON FOR CHANGE:

Reduce Weight
Freq. Roll-off

APPROVAL

DATE

ORIG.

CHECKER

PROJ. ENGR.

ENGR VP

MFG VP

REL AUTH.

12-30-82



ENGINEERING CHANGE NOTICE

DATE 12-30-62 SH 2 OF 2
CLASS

E. C. N. NO. 1-11

*C = change to
A = add
D = delete

PARTS LIST CHANGES

REV. REQ'D	ASSEMBLY PART NUMBER	DWG. REV.	ASSEMBLY DESCRIPTION	ITEM NO.	QTY.	DYNAIR PART NUMBER	DESCRIPTION	FAB CODE	REFERENCE DESIGNATION
1	1901 1900 14	10	11-12 13	26	27-30 31	40 41	47		
1	D	1901 1900 14	PCB ASSY		1	9 1501 310 60	CAP; .001 MF		C23 -
2	A		"		1	9 1501 247 72	CAP; 470 PF		C23 -
3									
4	D		"		1	9 4211 210 20	RES; 1MΩ		R 21 -
5	A		"		1	9 4211 212 20	RES; 2.2MΩ		R 29
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

REMARKS:

E.C.N. NO. 1-03DATE 1-10-83 SH 2 OF 3

CLASS

ENGINEERING CHANGE NOTICE

C = chg to
A = add
D = delete

PARTS LIST CHANGES

REV. REQ'D	ASSEMBLY PART NUMBER	DWG. REV.	ASSEMBLY DESCRIPTION	ITEM NO.	QTY.	DYNAIR PART NUMBER	DESCRIPTION	FAB. CODE	REFERENCE DESIGNATION
1	14011400 14	10	11-12	13	26	31	40	41	47
1	D					1	9 3500 01		T1
2	D					1	9 5640 299 00		
3	D					1	9 1502 110 20		C1
4	A					1	9 1502 137 10		C1
5									
6	D					1	9 1502 112 60		C2
7	A					1	9 1502 008 70		C2
8									
9									
10	D					1	9 4211 012 20		N1
11	D					1	9 4820 112 00		C2
12	D					1	9 4810 116 00		C2
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

REMARKS: