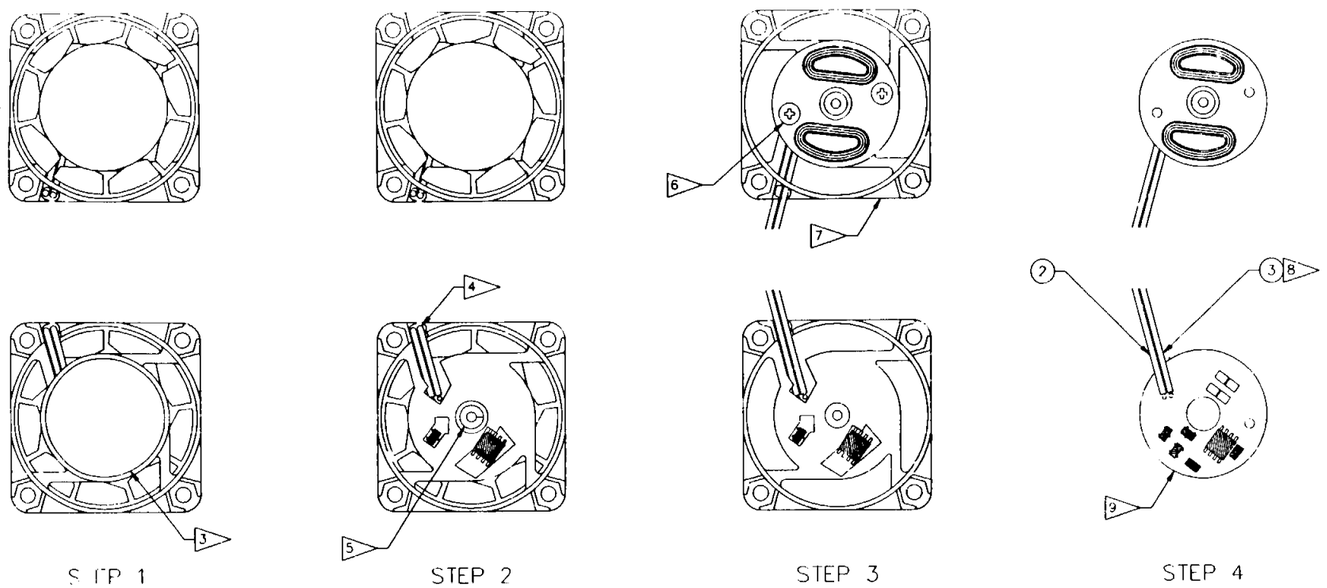


15 PARKS, CORP., SOMERSET, MA.

14 REPLACE POWER WIRES INTO THE SUPPORT NOTCH IN THE FAN CASE

13 REPLACE BLACK RETAINER AROUND FAN SHAFT

12 REPLACE FAN IN HOUSING

11 REPLACE THE SCREWS NEXT TO THE MOTOR COILS.

10 REPLACE THE CIRCUIT BOARD INTO THE PLASTIC HOUSING.

9 PRIME PER NHB 5300.4 (3J) PARA 3J402 USING PRIMER (ITEM 6). APPLY CONFORMAL COATING (ITEM 5) THINNED WITH NAPTHA (ITEM 7) CIRCUIT SIDES OF BOARD .003-.009 THICK PER NHB 5300.4 (3J), PARA 3J600.

8 DESOLDER AND REMOVE OLD WIRES FROM CIRCUIT BOARD OF (ITEM 1) (CAREFUL NOT TO REMOVE ADJACENT COMPONENTS) AND REPLACE WITH 36 INCHES OF NASA APPROVED WIRES (ITEMS 2 AND 3) SOLDER TO BOARD USING SOLDER (ITEM 4).

7 PULL THE CIRCUIT BOARD OUT OF PLASTIC HOUSING.

6 REMOVE THE SCREWS NEXT TO THE MOTOR COILS.

5 REMOVE RETAINER FROM AROUND FAN SHAFT. THEN PUSH THE FAN SHAFT TO REMOVE THE FAN FROM THE HOUSING

4 TAKE POWER WIRES OUT OF THE SUPPORT NOTCH IN THE FAN CASE

3 PEEL OFF AND DISCARD MANUFACTURERS STICKERS (A BLUE AND WHITE STICKER AND A BLACK STICKER BELOW IT)

2 DOW CORNING, MIDLAND, MA.

1 SHICOH ENGINEERING LTD., JAPAN

NOTES

7. AFTER COMPLETE REASSEMBLY OF FAN, CONNECT TO +12VDC ±0.5VDC. VERIFY CURRENT DRAW IS 65mA TO 80mA CYCLE ON/OFF MINIMUM OF 3 TIMES AND CHECK FOR ANY FUNCTIONAL IMPAIRMENTS. RUN CONTINUOUSLY FOR 10 MINUTES MINIMUM. START UP CURRENT MAY NOT EXCEED 120 mA.

6. BAG AND TAG PER JSC-SPEC-M-1, PARA 3.7.9.

5. THIS ASSEMBLY CONTAINS NO FRACTURE CRITICAL ELEMENTS.

4. CLEANLINESS REQUIREMENTS PER SN C-0005 LEVEL GC.

3. FABRICATE IN ACCORDANCE WITH IS 60035

2. SOLDER PER NAS 5300.4 (3A 2)

1. INTERPRET PER JSCM 8500.

NOTES: UNLESS OTHERWISE SPECIFIED

ALTERED ITEM DRAWING

AR	2713	THINNER, NAPTHA		15	7
AR	1204	PRIMER		2	6
AR	3140	CONFORMAL COATING	RTV SILICONE	2	5
AR	63/37.025P3REL15	SOLDER		00-S-571	4
36"	M22759/22-26-2	WIRE, STRANDED RED	26AWG TFE TEFLON	MIL-W-22759	3
36"	M22759/22-26-0	WIRE, STRANDED BLACK	26AWG TFE TEFLON	MIL-W-22759	2
1	-001	COOLING FAN	MAKE FROM P/N 0410N-12	1	1
-	-701	COOLING FAN ASSY			
-701	PART NUMBER	DESCRIPTION	MATERIAL	SPECIFICATION	ITEM

DIMENSIONAL TOLERANCE UNLESS NOTED OTHERWISE .0 ± .1 .000 ± .010 .00 ± .03 ANGULAR ± 0

SURFACE FINISH IN MICROINCHES RMS UNLESS NOTED OTHERWISE

NEXT ASSY N/A

EQUIP TYPE
☒ FLT HDWR
☐ OTHER (SPECIFY) ESE
☐ APPLICABLE GSE

SIGNATURES	DATE
DR E. LOOS	09/03/96
ENG H. Chen	7/9/97
CHK R.A. Bulard	7/9/97
APP [illegible]	7/24/97
JC M. [illegible]	7/27/97
MATL [illegible]	7/11/97
STRESS [illegible]	7/12/97
AUTH [illegible]	7/14/97

NATIONAL AERONAUTICS & SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS

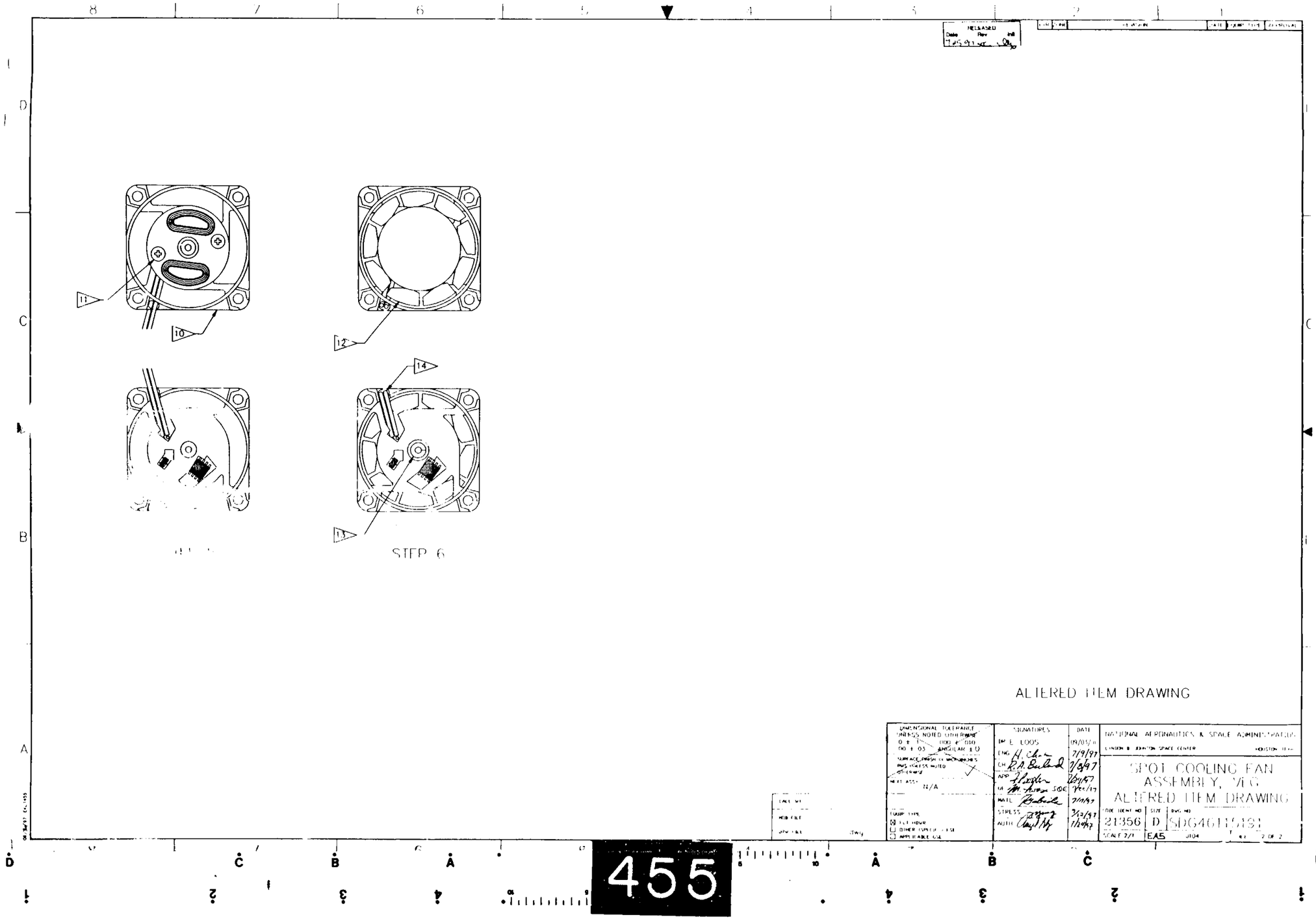
SPOT COOLING FAN ASSEMBLY, VEG
ALTERED ITEM DRAWING

FSCM IDENT NO	SIZE	DWG NO
21356	D	SDG46115191

SCALE 2/1 EAS 3104 SHEET 1 OF 2

CALC WT
MOD FILE
DRW FILE dwg

454



11
10
12
14
13
STEP 6
ALTERED ITEM DRAWING
DIMENSIONAL TOLERANCE UNLESS NOTED OTHERWISE
0 ± .1 .000 ± .010
.00 ± .03 ANGULAR ± 0
SURFACE FINISH IN MICROINCHES
RMS UNLESS NOTED OTHERWISE
NEXT ASSY N/A
EQUIP TYPE
FLT HDWR
OTHER (SPECIFY) FSE
APPLICABLE GSE
SIGNATURES
DATE
DR E. LOOS 09/03/97
ENG H. Chen 7/9/97
CH R.A. Bulard 7/8/97
APP 7/24/97
MATL 7/11/97
STRESS 7/12/97
AUTH 7/20/97
NATIONAL AERONAUTICS & SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON TEXAS
SPOT COOLING FAN ASSEMBLY, VEG
ALTERED ITEM DRAWING
CODE IDENT NO 21356
SIZE D
DWG NO SDG46115191
SCALE 2/1
EA5
J104
2 OF 2
455

DCN NUMBER	122801		DRAWING CHANGE NOTICE				SHEET 1 OF 2
DRAWING NO. SDG46115191	REV NC	SEQ.#	REASON FOR CHANGE IMPLEMENTED CONFIGURATION CHANGES	ORIGINATOR C. NUNEZ	DATE 9/8/97	QE M. [illegible] SQE	DATE 9/16/97
DRAWING TITLE SPOT COOLING FAN ASSEMBLY, VEG ALTERED ITEM DRAWING				ENG. [illegible]	9/12/97	MATL C. [illegible]	9/15/97
				CH R.A. [illegible]	9/12/97	STRESS [illegible]	9/15/97
PROJECT SE J104				APP [illegible]	9/16/97		
				AUTH [illegible]	9/16/97		

9-18-97 [illegible]

ADDED ITEM 8 TO PARTS LIST. SHEET 1, ZONE B,1.

AR	3145	ADHESIVE	RTV	2	8

SHEET 1, ZONE B,5.

WAS

14 REPLACE POWER WIRES INTO THE SUPPORT NOTCH IN THE FAN CASE.

IS

14 REPLACE POWER WIRES INTO THE SUPPORT NOTCH IN THE FAN CASE. SECURE WIRES TO FAN CASE AT SUPPORT NOTCH AND SECURE WIRES TO CIRCUIT BOARD AS INDICATED USING ADHESIVE (ITEM 8). DO NOT ALLOW ADHESIVE TO EXTEND BEYOND FAN ENVELOPE.

	PART NUMBER	DESCRIPTION	MATERIAL	SPECIFICATION		IS>(WAS)

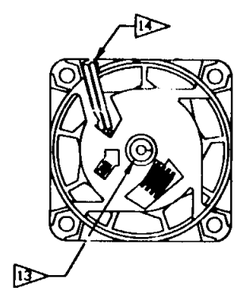
432

DCN NUMBER 122801			DRAWING CHANGE NOTICE	SHEET 2 OF 2
DRAWING NO.	REV	SEQ.#		
SDG46115191	NC			

94840 NS 1m

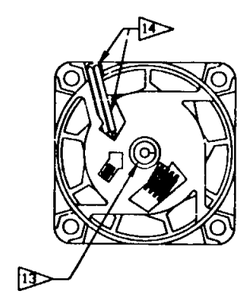
ADDED ARROW TO FLAG 14, STEP 6. SHEET 2, ZONE C,6.

WAS



STEP 6

IS



STEP 6

433