REV NO.		TITLE Test Specifications	CONT ON SHEET 2	SH NO. 1
2 7 7 A 3 7 1 7		LOW PRESSURE SHAFT		
CONT ON SHEET 2	SH NO. 1	FIRST MADE FOR IC3600SLPB1		

1. Connect 7-20KHZ loads to each of the following outputs:
   SR9 (22), OSR (34), ST (31), OST (24), LS (18), OLS (19),
   FLTR (32), OFLTR (20), FLTZ (17), OFLTZ (16).

2. Connect a variable voltage source of 0 to 12 Volts to input
   NLP (47). Check that the ±12 Volt, +5 Volt Busses are
   within 0.1 Volt of their proper value.

   P5 - (28)
   P12 - (27)
   N12 - (29)
   P28 - (26)
   ACOM - (2,50)
   DCOM - (1,51)

3. Connect ACOM (2,50) to DCOM (1,51).

4. For the following measurement start the input voltage at 0 Volts.
   Check that the pickup value of each output indicated below
   occurs at the proper value of input voltage on NLP (47) and under
   given conditions. A 0 output is 0 to 0.4 Volts a 1 output
   4.2 to 5.3 Volts.

	CONDITION	OUTPUT	INPUT VOLTAGE
A)	R202 CCW, RA(48) to RB (45)	LS(18) 0 to 1	1.5 to 2.0
	R204 CCW	OLS(19) 1 to 0	1.5 to 2.0
B)	RC (46) to RB (45)	LS(18) 0 to 1	4.8 to 5.4
		OLS(19) 1 to 0	4.8 to 5.4
C)	RD (49) to RB (45)	LS(18) 0 to 1	8.0 to 8.6
		OLS(19) 1 to 0	8.0 to 8.6
D)	R202 CW RA (48) to RB (45)	LS(18) 0 to 1	5.8 to 6.4
	R204 CCW	OLS(19) 1 to 0	5.8 to 6.4
E)	RC (46) to RB (45)	LS(18) 0 to 1	9.1 to 9.7
		OLS(19) 1 to 0	9.1 to 9.7
F)	RD (49) to RB (45)	LS(18) 0 to 1	11.3 to 11.9
		OLS(19) 1 to 0	11.3 to 11.9

5. For the following measurements start the input voltage at 12V.
   Check that the dropout value of each output indicated below
   occurs at the proper value of the input voltage on NLP (47).

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5. (Continued)

	CONDITION	OUTPUT	INPUT VOLTAGE
A)	R202 CCW, R204 CW,	LS(18) 1 to 0	3.5 to 4
	RC (46) to RB (45)	OLS(19) 0 to 1	3.5 to 4
B)	R202 CCW, R204 CCW	LS(18) 1 to 0	4.7 to 5.3
	RC (46) to RB (45)	OLS(19) 0 to 1	4.7 to 5.3
C)	R202 CW, R204 CW	LS(18) 1 to 0	6.6 to 7.2
	RC (46) to RB (45)	OLS(19) 0 to 1	6.6 to 7.2
D)	R202 CW, R204 CCW	LS(18) 1 to 0	9.0 to 9.6
	RC (46) to RB (45)	OLS(19) 0 to 1	9.0 to 9.6

6. Short input MPU (43) to input STPU (33).

   A. Connect a sine wave generator to input MPU (43) per figure A.
   Close SPST switch S1 and open SPST switch S2. Set the signal
   generator at 15HZ, 200MV PP on input MPU (43). Check that
   the output SR (22) is a 0 and OSR (34) is a 1.

   B. Recommend 0.5HZ steps every 10 seconds, when near operating
   point. Slowly reduce the input frequency in steps, until SR (22)
   is a 1 and OSR (34) a 0. Check that the input frequency at
   the pickup point is between 2 and 5HZ. 2.4 HZ

   C. Recommend 0.5HZ steps every 10 seconds, when near operating
   point. Increase the input frequency in steps, until SR (22) is
   a 0 and OSR (34) is a 1. Check that the input frequency at
   dropout is between 7 and 15HZ. 12 HZ

   D. Turn R200 fully CCW. Check that ST (31) is a 0 and OST (24) is
   a 1. Set sig. generator to 20V P-P, 6600HZ. Turn R200 CW
   until ST (31) is a 1 and OST (24) is a 0. Reset generator to
   1800HZ ± 100HZ. Check that ST (31) is a 0 and OST (24) is a 1.
   Turn R200 CW until ST (31) goes to a 1 and OST (24) goes to
   a 0. Reduce freq. to 1000HZ and note ST (31) is 0.

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7. Set up test per figure A. Set the sine wave generator to zero volts. Perform the following voltage checks; SW1 open, SW3,4 closed.

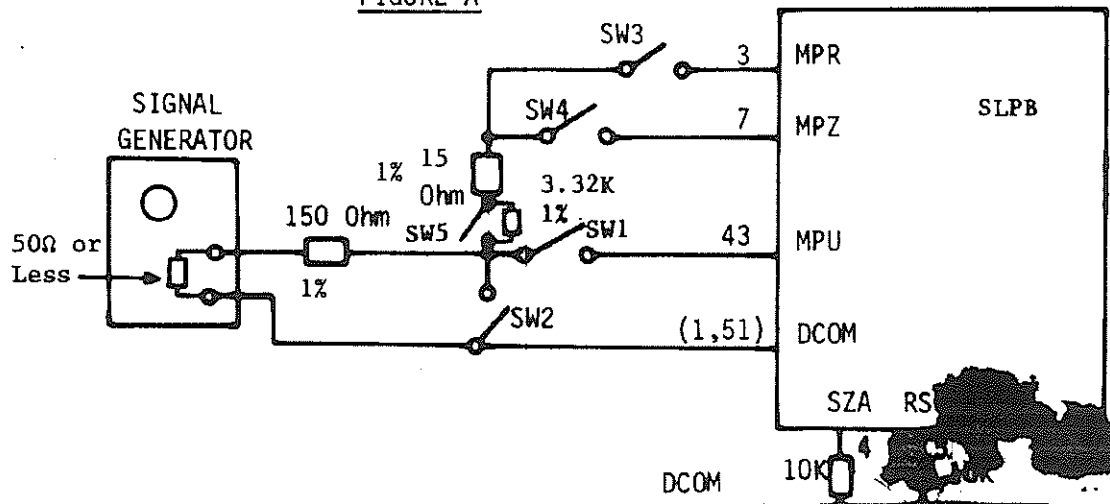|	SW2	SW5	FLTR (32)	OFLTR (20)	FLTZ (17)	OFLTZ (16)	LT1	LT2
A)	0	0	4.2 to 5.3V	0 to 0.4V	4.2 to 5.3V	0 to 0.4V	ON	ON
B)	0	C	0 to 0.4V	4.2 to 5.3V	0 to 0.4V	4.2 to 5.3V	OFF	OFF
C)	C	C	4.2 to 5.3V	0 to 0.4V	4.2 to 5.3V	0 to 0.4V	ON	ON

THERE IS APPROX. 5 SEC. TIME DELAY IN STEP 7C.

LT1 = CR30   LT2 = CR31

8. Set the sine wave generator to 1000HZ, 5V PP output.

A. Open SW2 and close SW3 and SW4. Check that the AC voltage at RSZ (6) is 3 ± 0.5 V P-P, RSR (5) 4.5 ±0.5V P-P and SZA (4) 3.5 ± 0.5V PP, and LT1 and LT2 are OFF.

B. Open SW3. Check that the voltage at FLTR (32) is 4.2 to 5.3V DC, at OFLTR (20) 0 to 0.4V DC and LT1 is ON. Also, check that the AC voltage at RSZ (6) is 3 ± 0.5V PP.

C. Close SW3 and open SW4. Check that the voltage (after some time delay) at FLTZ (17) is 4.2 to 5.3V DC, at OFLTZ (16) 0 to 0.4V DC and LT2 is ON. Also, check that the AC voltage at SZA (4) is 3.5 ± .5V P-P and at RSR (5) 4.0 ± .5V PP.

FIGURE A

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