

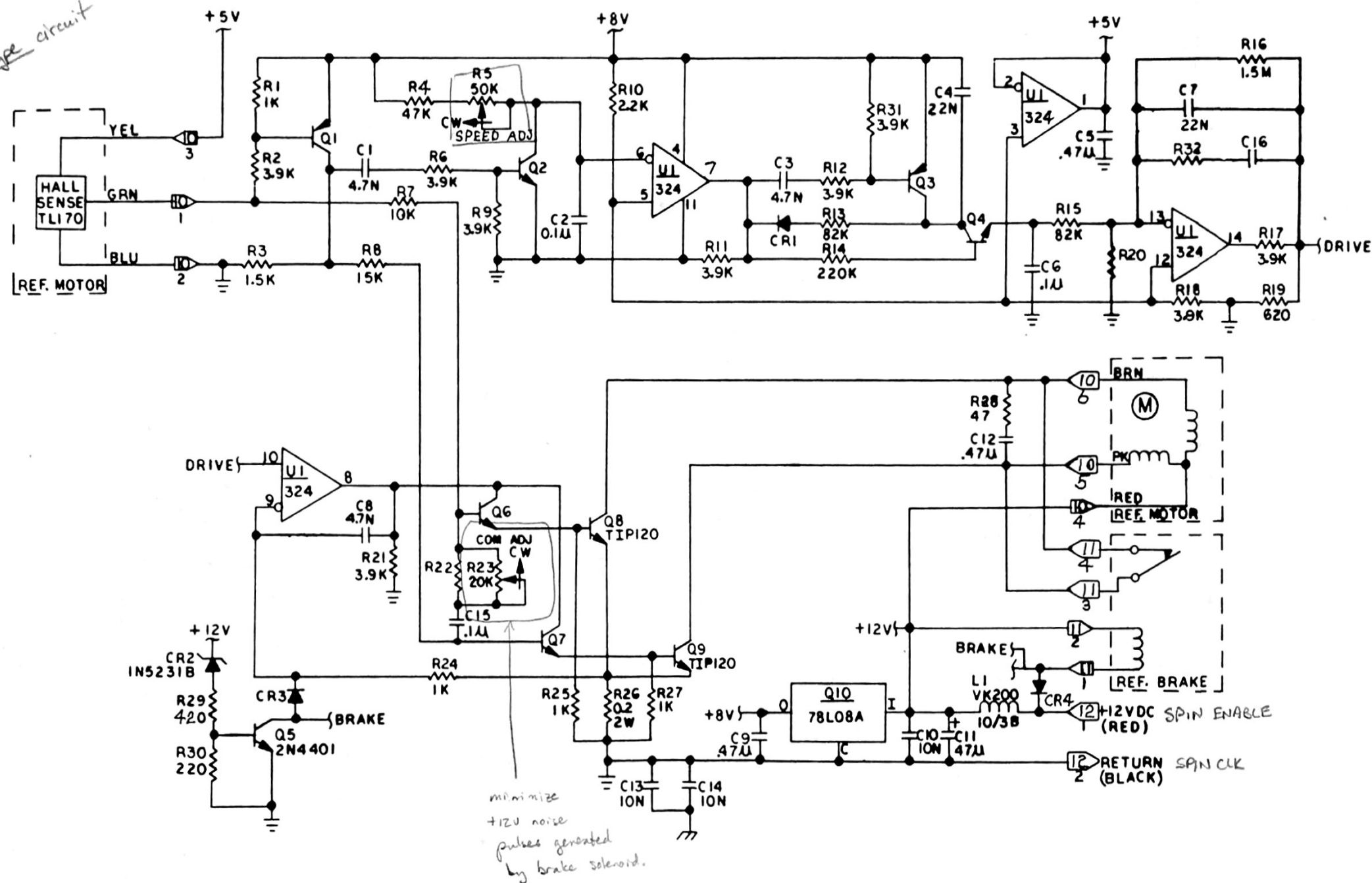
I.C. LOCATION AND VOLTAGE CHART					
LOCATION	TYPE	+5	+12	GND	UNUSED
U16	74LS00	14		7	
U21	7406	14		7	
U11	7407	14		7	
U13	7408	14		7	
U17	74LS14	14		7	1/6
U24	7438	14		7	
U18, U19	7415	16		8	
U7	74LS74	14		7	
U12	74S74	14		7	
U10	339		3	12	1/4
U2, U3	463	8		4	
U30, U32	592		NOTED	NOTED	
U1	UNL2074		NOTED	4, 5, 12, 13	
U6	26LS31	16		8	2/4
U9	26LS32	16		8	1/4
U25, U29	2719				
U20	Q2T2905		NOTED		1/4
U4	8048	26, 40		20	
U8	10104	1, 16		8	1/4
U23	10116	1, 16		8	
U14					
U22	TERM PAK	16		7, 8	4/12

SHUNT PLUG PROGRAMMING			
WI-W13 SHUNT	FUNCTION	FACTORY PROGRAMMED	USAGE
W1	TRK FAULT	0	INSTALL FOR EXCESS TRK FAULT
W2	TEST	0	INSTALL FOR FACTORY TEST
W3	DISABLE LIMIT	0	INSTALL TO DISABLE SOFT LIMITS
W4	SPIN SELECT	0	INSTALL FOR SPIN SELECT
W5	TRACKS	5	INSTALL FOR S VERSION ONLY
W6	MOTOR TYPE	-	INSTALL FOR TYPE 18 MOTOR
RTW7	READ TERMINATOR	I	CLOSE ONLY @ END DRIVE OF DAISY CHAIN DATA
WTW8	WRITE TERMINATOR	I	CLOSED FOR RADIAL DATA
S4W9	DRIVE SELECT 4	0	INSTALL 1 OF 4 PLUGS ONLY
S3W10	DRIVE SELECT 3	0	PLUG CORRESPONDS TO
S2W11	DRIVE SELECT 2	0	DRIVE ADDRESS
S1W12	DRIVE SELECT 1	I	
3PW13	3 DISC	603	CLOSE FOR MODEL 603 ONLY
U22	TERMINATOR PAK	I	INSTALL IN END DRIVE OF DAISY CHAIN
0 = OMIT			
I = INSTALL			
S = CLOSE FOR S VERSION ONLY			
603 = CLOSE FOR TM603 ONLY			

REFERENCE DESIGNATORS	
LAST USED	UNUSED
C54	C15, 25-28, 35-39, 44, 51
CR13	
J9	
L5	
Q1	
R111	R71 THRU 75, 84, 88-93, 95-97, 99, 109, 110
RP3	RPI
TP19	
U32	U5, 14, 15, 26-28, 31
W13	
Y1	

**Tandon CORPORATION**  
 CONTROL AND DATA  
 CIRCUIT BOARD SCHEMATIC  
 187340-001 REV L  
 SHEET 3 OF 3

*Servo-type circuit*



7. UNVALUED COMPONENTS ARE OMITTED.
6. Y OR Y DENOTES CONNECTOR X, PIN Y.
5. PNP TRANSISTORS ARE 2N4125.
4. NPN TRANSISTORS ARE 2N4124.
3. DIODES ARE 1N4446 OR EQUIV.
2. CAPACITORS ARE 25V, 10%, PF, NF, OR UF.
1. RESISTORS ARE IN OHMS, 1/4 W, 5%.

**Tandon CORPORATION**  
 SPINDLE CONTROL  
 CIRCUIT BOARD SCHEMATIC  
 187060-001 REV E  
 SHEET 1 OF 1