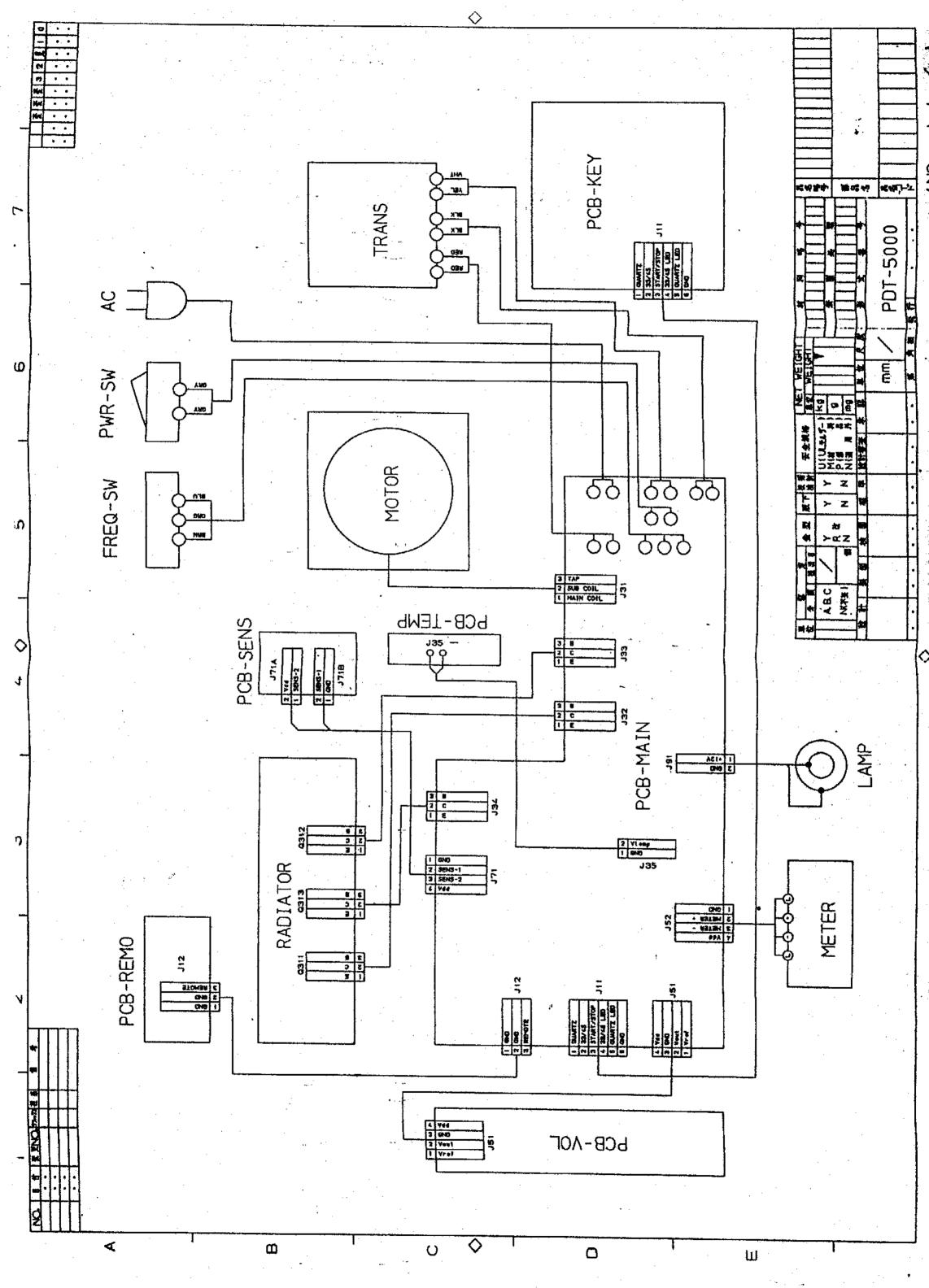
VESTAX

SERVICE NOTE

MODEL: PDX- a2

1. BLOCK DIAGRAMM P. 2
2. ADJUSTMENT PROCEDURE P. 3
3. SCHEMATIC DIAGRAM P. 4
3. PARTS LIST P. 5- P. 9
4. PCB ASSEMBLEY P. 10

Vestax Corporation Service Department



Adjustment manual PDX a2

1. Temperature Sensor Comparative Voltage Adjustment

Measurement Point TP-4 (VC) TP-I(GND)

Adjusting Point R351 (470ohm Cermet Trimmer

Measurement Equipment: DC Millivoltmeter (input impedance I00K ohm)

Setting Conditions Power on. Turntable stopped.

Adjustment Sequence:

(1) Power on.

Connect DC Millivoltmeter to TP-4. **(2)**

(3) Adjust R351 to give 1,540mV± 5mV.

2. Center Frequency of Pitch Control Adjustment

Measurement Point TP-3 (CP) TP-I(GND) L501 (3.3mil OSC Coil) **Adjusting Point Measurement Equipment Frequency Counter**

Power on.- Turntable stopped. Quartz Lock o-ff. **Setting Conditions**

Adjustment Sequence:

(1) Power on.

Connect Frequency Counter to TP-3-(2) Pitch control fader center position.

(4) Adjust L501 for Frequency Counter 230.4KIIz ±0.IKHz.

3. Meter Sensitivity adjustment.

Measurement Point Check meter needle deflection. **Adjusting Point** R506 (4.7Kohm Cermet Trimmer)

Measurement Equipment: : N/A

(3)

Setting Conditions Power on. Turntable stopped. Quartz Lock off.

Adjustment Sequence:

(1) Power on.

(2) Quartz Lock off.

(3) Set Pitch control fader to @10% position.

(4) Adjust R506 so that meter shows +10%. Set Pitch control fader to -10% position.

(5)

(6) Recheck points so that -10% and +10% are in correct

position.

4. APC Offset Adjustment

Measurement Point TP-2 (APC) TP-1(GND)

Adjusting Point R308 (47Kohm Cermet Trimmer)

Measurement Equipment: DC Millivoltmeter (input impedance 100Kohm.) Power on. Turntable 33 1/3rpm. Quartz Lock on. **Setting Condition**

Adjustment Sequence:

Power on. (1)

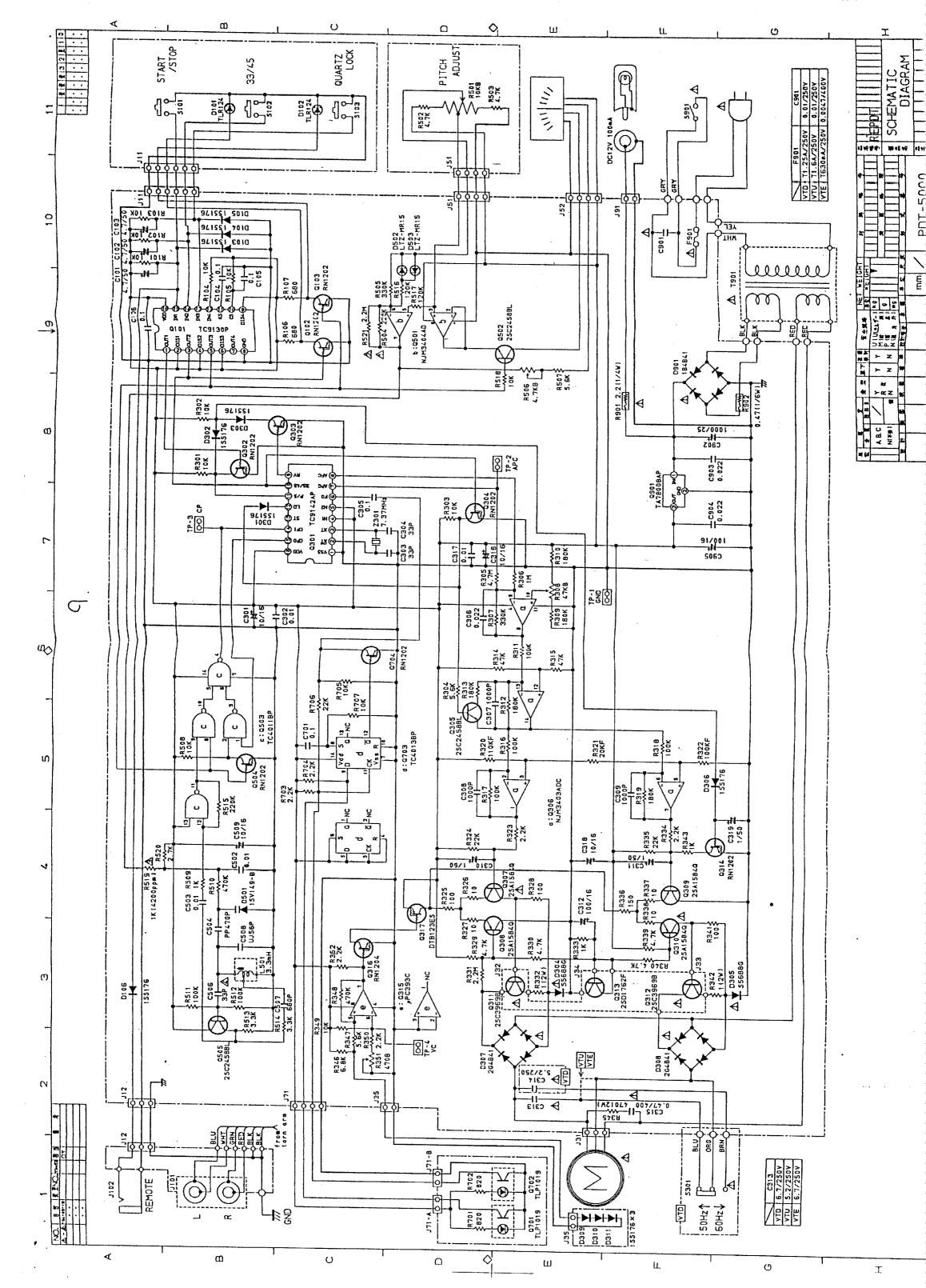
(2) Quartz Lock on, Speed 33 1/3 rpm, Start.

(3) Adjust R308 so that DC Millivoltmeter shows

3.5volt±0.2volt.

Set Pitch control fader to -10% position. (4)

NOTE; Rotate R308 slowly to allow correct voltage to set.



MODEL	PDT-5000	LIST NAME		CODE	
PARTS NO	SPECIFICATION		PCB	BRAND	
	STANDARD PARTS NAME			1	
L501	M-8G,OSC-3.3M	COIL		MAIN	SUMIDA
R501	10KB	SLIDE VR		MAIN	TUBAME
R351	471B	SEMI FIXED VR		MAIN	
R506	472B	SEMI FIXED VR		MAIN	···
R308	473B	SEMI FIXED VR		MAIN	
S101	KEY01C1PY	SW			
S102	KEY01C1PY	SW		MAIN	ALPS SKHH
S103	KEY01C1PY	SW		MAIN MAIN	ALPS SKHH
			177	TANIN	ALES SKIR
J101	2P	US JACK		MAIN	JALCO
J102	3.5	JACK		MAIN	JALCO
z-301	X-HC-49/U-7.37M	CRYSTAL OSC	9215393200	MATM	MONTNO
		FUSE HOLDER	9213393200	PIAIN	TOMIYO JALCO
		POWER TURMINAL	 -	ļ	
		HEAT SINK			IRISO RYOSAN
					11100121
J091	2P	PIN TURMINAL		MAIN	NITIATU
J032	3P	PIN TURMINAL		MAIN	NITIATU
J033	3P	PIN TURMINAL		MAIN	UTAITU
J034	3P	PIN TURMINAL	,	MAIN	NITIATU
J052	4P	PIN TURMINAL		MAIN	NITIATU
J035		CONNECTOR	B2B-PH-K-S		NITIATU
J012		CONNECTOR	PH-2-03P	MAIN	NITIATU
J071		CONNECTOR	PH-2-04P	MAIN	NITIATU
J011		CONNECTOR	PH-2-06P	MAIN	NITIATU
J051		CONNECTOR	S4B-PH-K-S		NITIATU
J031		CONNECTOR	B3P-VH	MAIN	NITIATU
J035	2P	SOCKET ASSY		MAIN	UNIT
J012	3P	SOCKET ASSY	9672170700		UNIT
J051	4P	SOCKET ASSY	9672170900	MAIN	UNIT
J071	4P	SOCKET ASSY	9672171000		UNIT
J011	6P	SOCKET ASSY	9672171100		UNIT
PD001					
FP001 FP002		SB HEADER		MAIN	NITIATU
		SB HEADER		MAIN	NITIATU
P003		SB HEADER		MAIN	NITIATU
1 F U U 4		SB HEADER		MAIN	NITIATU
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MODEL	PDT-5000	LIST NAME	CODE		
PARTS NO	SPECIFICATION		PCB	BRAND	
! !	STANDARD PARTS NAME			ŀ	
Q301	TC9142AP	IC, QUARTSLOCK DD MOTOR	MAIN	TOSHIBA	
Q101	TC9130P	IC	MAIN	TOSHIBA	
Q503	TC4011BP	IC	MAIN	TOSHIBA	
Q703	TC4013BP	IC	MAIN	TOSHIBA	
Q901	TA78008AP	IC, 3PIN REGURATOR	MAIN	TOSHIBA	
Q306	NJM3403ADC	IC	MAIN	JRC	
Q501	NJM3404AD	IC	MAIN	JRC	
Q315	uPC393C	IC	MAIN	NEC	
D307	1B4B41	BRIDGE DI	MAIN	TOSHIBA	
D308	2G4B41	BRIDGE DI	MAIN	TOSHIBA	
D304	S5688G(TPA3)	D. I	MAIN	TOSHIBA	
D305	S5688G(TPA4)	D.I	MAIN	TOSHIBA	
D501	ISV149B(PAIR)	D.I	MAIN	TOSHIBA	
Q701	TLP1019	D.I	MAIN	TOSHIBA	
0702	TLP1019	D. I	MAIN	TOSHIBA	
D101	TLR124	LED	MAIN		
D102	TLR124	LED		TOSHIBA	
D901	1B4B41	BRIDGE DI	MAIN MAIN	TOSHIBA TOSHIBA	
	13.51	BRIDGE DI	PAIN	TOSTIDA	
R332	1.0 lw	METAL	MAIN	_	
R342	1.0 lw	METAL	MAIN		
R345	470 lw	OXIDATION METAL	MAIN		
R901	2.2 1/4w	FUSE	MAIN		
C314	5.2/250V	CAPACITOR OF MOTOR	MAIN		
C313	7.1/250V	CAPACITOR OF MOTOR	MAIN	_	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OHITICITON OF PACION	PIAIN	.	
C902		SMALL AL E.C	142 T.).		
C901	0.0047uF/125V	C.C	MAIN		
C901	0.0047dF/123V	C.C	MAIN		
C901	0.01/125V	c.c ·	MAIN		
C315	0.01/123V 0.47/400V	FILM C	MAIN		
0313	0.47/4000	FILM	MAIN	 	
			<u> </u>		
	1		<u> </u>		

MODEL	PDT-5000	LIST NAME	CODE	-
PARTS NO		SPECIFICATION	PCB	BRAND
	STANDARD	PARTS NAME		BIGHT
	LH-5-8	SPACER	·	
	RVC1.2 BLK			-
	UL1007 AWG24	ORANGE LEAD		
<u></u> -	UL1007 AWG22	BLACK LEAD		-
	BID3D*06MSZN3AI			
	2DTBID3008CR3C			
	TLC-134 t1.6	PCB		
Q307	2SA1584-Q-TP	T.R	152.73	
Q308	2SA1584-O-TP	T.R	MAIN	ROHM
Q309	2SA1584-Q-TP	T.R	MAIN	ROHM
Q310	2SA1584-Q-TP	T.R	MAIN	ROHM
Q317	DTB123ES-TP	T.R	MAIN	ROHM
Q305		AUDIO AM AMPLIFIER TR	MAIN	ROHM
Q502	2SC2458-BL(TPE4)	AUDIO AM AMPLIFIER TR	MAIN	TOSHIBA
Q505	2SC2458-BL(TPE4)	AUDIO AM AMPLIFIER TR	MAIN	TOSHIBA
2102	RN1202 (TPE4)	BIAS RESISTACE TR	MAIN	TOSHIBA
Q103	RN1202 (TPE4)	BIAS RESISTACE TR	MAIN MAIN	TOSHIBA
2302	RN1202 (TPE4)	BIAS RESISTACE TR		TOSHIBA
2303	RN1202 (TPE4)	BIAS RESISTACE TR	MAIN MAIN	TOSHIBA
2304		BIAS RESISTACE TR	MAIN	TOSHIBA
2314		BIAS RESISTACE TR	MAIN	TOSHIBA
2504	······································	BIAS RESISTACE TR		TOSHIBA
2704		BIAS RESISTACE TR	MAIN MAIN	TOSHIBA
2316	RN1204 (TPE4)	BIAS RESISTACE TR	MAIN	TOSHIBA TOSHIBA
0103	1SS176(TPE7)	WAVE DETECTION D.I	MAIN	mo quit pa
0104		WAVE DETECTION D.I		TOSHIBA
0105	1SS176(TPE7)	WAVE DETECTION D.I	MAIN MAIN	TOSHIBA
0106	1SS176(TPE7)	WAVE DETECTION D.I		TOSHIBA
301	1SS176(TPE7)	WAVE DETECTION D.I	MAIN MAIN	TOSHIBA
0302	1SS176 (TPE7)	WAVE DETECTION D.I	MAIN	TOSHIBA
303		WAVE DETECTION D.I	MAIN	TOSHIBA
		WAVE DETECTION D.I	MAIN	TOSHIBA
309		WAVE DETECTION D.I	MAIN	TOSHIBA
310		WAVE DETECTION D.I	MAIN	TOSHIBA
		WAVE DETECTION D.I	MAIN	TOSHIBA
	LTZ-MR15-TP		MAIN	TOSHIBA
503	LTZ-MR15-TP		MAIN	ROHM
			1-1W T IN	ROHM

MODEL	PDT-6000LIST NAME		CODE	
PARTS NO	SPECIFICATION		PRICE	BRAND
34056	DIGITAL INDICATION PCB ASSY	· · · · · · · · · · · · · · · · · · ·		
22153	DIGITAL INDICATION PCB			ļ
Q-801	TRANSISTOR	20024504	ļ	
Q-802	C-MOS	2SC2458Y	<u> </u>	TOSHIBA
Q-803	C-MOS	TC74HC02AP	ļ	TOSHIBA
Q-804	IC	TC74HC04AP	ļ	TOSHIB
Q-805	IC 3PIN REG	NSU9202BM		JRC
D-801	7 SEG LED	TA78L005AP		TOSHIBA
D-802	7 SEG LED	NSA161		STANLAY
D-803	DIODE	NAA261	<u> </u>	STANLAY
D-804	DIODE	ISS-176	ļ	TOSHIBA
D-805	DIODE	ISS-176		TOSHIBA
D-810	DIODE	ISS-176	<u> </u>	TOSHIBA
D-811	DIODE	ISS-176	ļ. <u> </u>	TOSHIBA
D-806	REGURATOR	ISS-176		TOSHIBA
D-807	REGURATOR	LTZ-MR15	<u> </u>	RHOM
D-808	REGURATOR	LTZ-MR15		RHOM
D-809	REGURATOR	LTZ-MR15		RHOM
0-812	REGURATOR	LTZ-MR15	,	RHOM
C-801	C.A	LTZ-MR15		RHOM
C-802	C.A	RC2-16V470M		ELNER
C-804	C.A	RC2-6V470M		ELNER
C-805	C.A	RC2-6V470M		ELNER
C-810	C.A	RC2-6V470M		ELNER
C-803	C.G	RC2-6V470M		ELNER
C-806	C.F	DD306-249F104Z25		MURATA
C-807	C.F	50SMC224J		RUBICOM
2-808	C.F	50SMC104J		RUBICOM
2-811	C.F	50SMC104J		RUBICOM
2-809	C.C	50SMC104J		RUBICOM
R-801	R.D	RPE131CH101J50		MURATA
R-804	R.D	NAS0167W103J		HDK
R-802	R.D	NAS0167W103J		HDK
-803	R.D	NAS0167W102J		HDK
1-817	R.D	NAS0167W221J		HDK
1-818	R.D	NAS0167W221J		HDK
-805	R.D	NAS0167W221J		HDK
-806		NAS0167W104J		HDK
-807		NAS0167W104J		HDK
-808		NAS0167W104J		HDK
-809		NAS0167W104J		HDK
-812		NAS0167W104J		HDK
012	R.D	NAS0167W104J		HDK

MODEL	PDT-6000 LIST NAME	<u></u>	CODE	1
PARTS NO	SPECIFICATION		PRICE	BRAND
R-810	R.D	NAS0167W391J		HDK
R-811	R.D	NAS0167W474J		HDK
R-813	R.D	NAS0167W105J	· · · · · · · · · · · · · · · · · · ·	HDK
R-814	R.N	RNL0125W1272G	·· 	HDK
R-815	R.D	NAS0167W182J		HDK
R-816	R.D	NAS0167W153J		HDK
R-819	R.N	RNL0125W562J		HDK
rH-01	D SAMISTOR		····	SEMITE
J-801	EH CONNECTOR	\$4В-ЕН		JST
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