15 15 DM-2 SERVICE NOTES

Second Edition

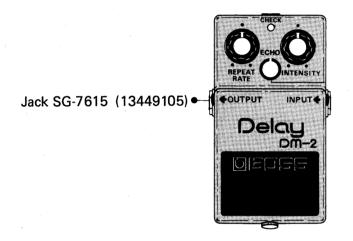
APPLICABLE SERIAL NUMBERS 182000 AND ABOVE.

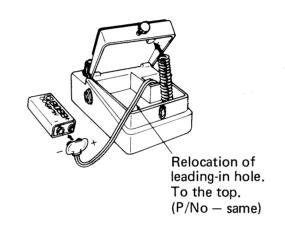
To keep up with latest electronic developments, Roland changes BBD to improved version. This also relieves the factory from employing only BBDs selected among its stocks.

Although the BBD and BBD driver are incompatible with old ones, PCB assemblies are interchangeable.

Adjusting procedure and values of the first edition remain unrevised and should be referred to as necessary.

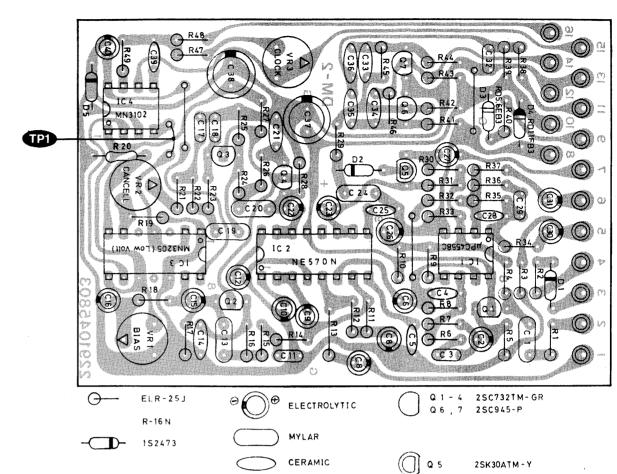
CHANGE ON PARTS



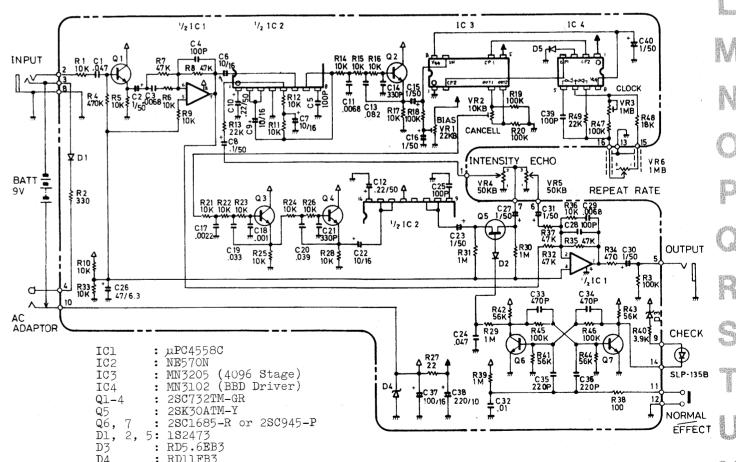


	OLD	NEW	COMPATI- BILITY
PCB	ET5214-510 (7521451001) (pcb 2291045801)	ET5214-510A (7521451005) (pcb 2291045803)	YES
TRANSISTOR	2SC945-P (15129108)	2SC945-P or 2SC1685-R (151291290R)	YES
ZENER	RD11EB3 (15019547)	RD11FB3 (15019633)	YES
BBD DRIVER	MN3101 (15169504)	MN3102 (15219214)	NO
BBD	MN3005 (152192040A)	MN3205 (15219214)	NO
JACK	SG-7622 (13449106)	SG-7615 (13449105)	YES
R2	100Ω	330 Ω	





ET5214-510A (7521451005) (pcb 2291045803)



DISSIM-2 SERVICE NOTES

First Edition

SPECIFICATIONS

Power. Battery 9V(1), AC Adapter

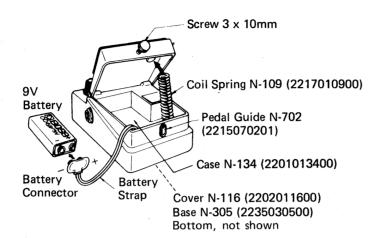
Current draw 11mA at 9V

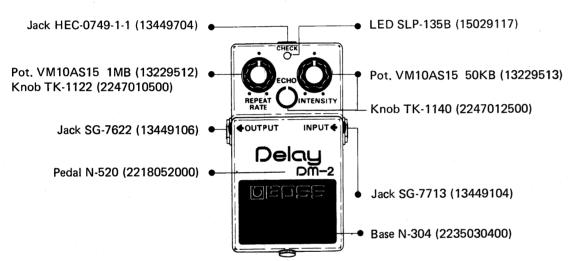
Residual noise Less than -100dBm (IHF-A)

Input impedance 470kΩ

Output load impedance Over 10kΩ

Weight 450 g





PARTS LIST

2201013400	Case N-134
2218052000	Pedal N-520
2202011600	Cover N-116 bottom
2235030500	Base N-305 bottom
2235030400	Base N-304 pedal matt
2215070201	Guide bushing N-702
2226030500	Cushion N-305 pcb
2216050200	Spacer N-502 pcb
2217010900	Spring coil N-109
2247010500	Knob TK-1122
2247012500	Knob TK-1140
13129710	Switch J-M0404
РСВ	
7521451001	ET5214-510 assy (pcb 2291045801)

POTENTIOMETER

13229512	VM10AS15	1MB
13229513	VM10AS15	50KB

2291049600 LED mounting, less parts

SEMICONDUCTOR

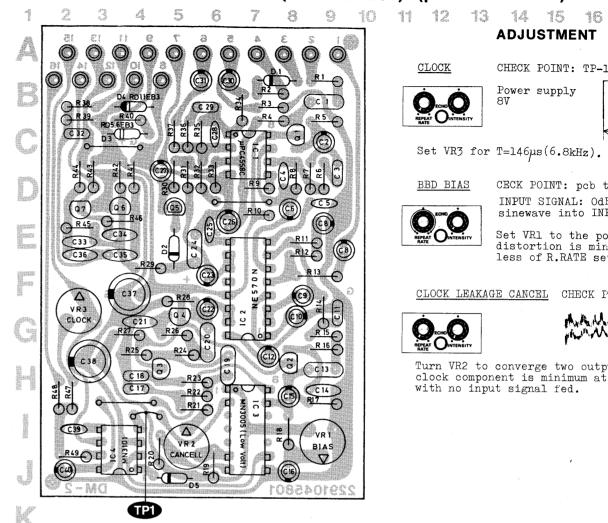
15139101	2SK30A(TM)-Y	FET
15129108	2SC945-P t	ransistor
15129104	2SC732TM-GR	transistor
15019103	1S2473	diode
15019526	RD5.6EB-3	zener
15019547	RD11EB-3	zener
15029117	SLP-135B	LED
15189105	µPC4558C BP	MON Dual op amp
15219108	NE57ON	compander
15169504	MN3101	BBD driver
green dot at lower a substitute	ted, selected supply (down	BBD 4096 stages for specified gain to 8V). Non-selected hecked for output battery.

SOCKET

13429502	10003-014-350T	BBD
13449104	SG-7713	
13449106	SG-7622	
	HEC-0749-1-1	
		317 on elder models
in the fa	mily, shares the	same part code, but
finish is	matted.	

Roland

ET5214-510(7521451001) (pcb 2291045801)



ADJUSTMENT

CHECK POINT: TP-1 (IC4 pin 4) Power supply

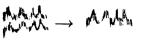
Set VR3 for $T=146\mu s(6.8kHz)$.

CECK POINT: pcb terminal 7 INPUT SIGNAL: OdBm 200Hz sinewave into INPUT jack

Set VR1 to the point where distortion is minimum regard-less of R.RATE setting position.

CLOCK LEAKAGE CANCEL CHECK POINT: VR2 wiper





Turn VR2 to converge two outputs so that clock component is minimum at output pin with no input signal fed.

