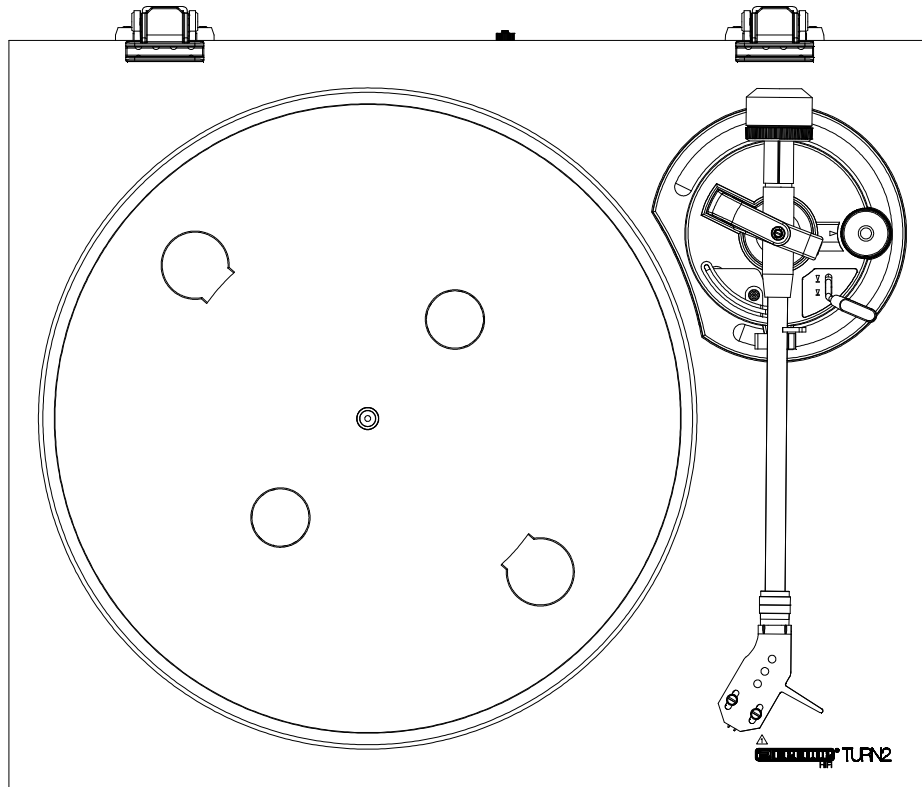


SERVICE MANUAL

MODEL: TURN2



SPECIFICATION

Turntable Section :

Type of turntable : Belt drive
Motor : DC Motor
Turntable speeds : 2 speeds(33 1/3,45 rpm)
Wow and Flutter : 0.2% WRMS
S/N Ratio : >65 dB(a-weight)

Turntable Platter :

Material : aluminium die-cast
Diameter : 300mm
Weight : 550g

Tonearm section :

Type : Static Balanced Straight Tonearm
Effective Arm Length : 224mm
Overhang : 19mm
Tracking error Angle : 25°
Applicable Cartridge Weight 4~6g
Anti-Skating Range..... 0-3g

Genera :

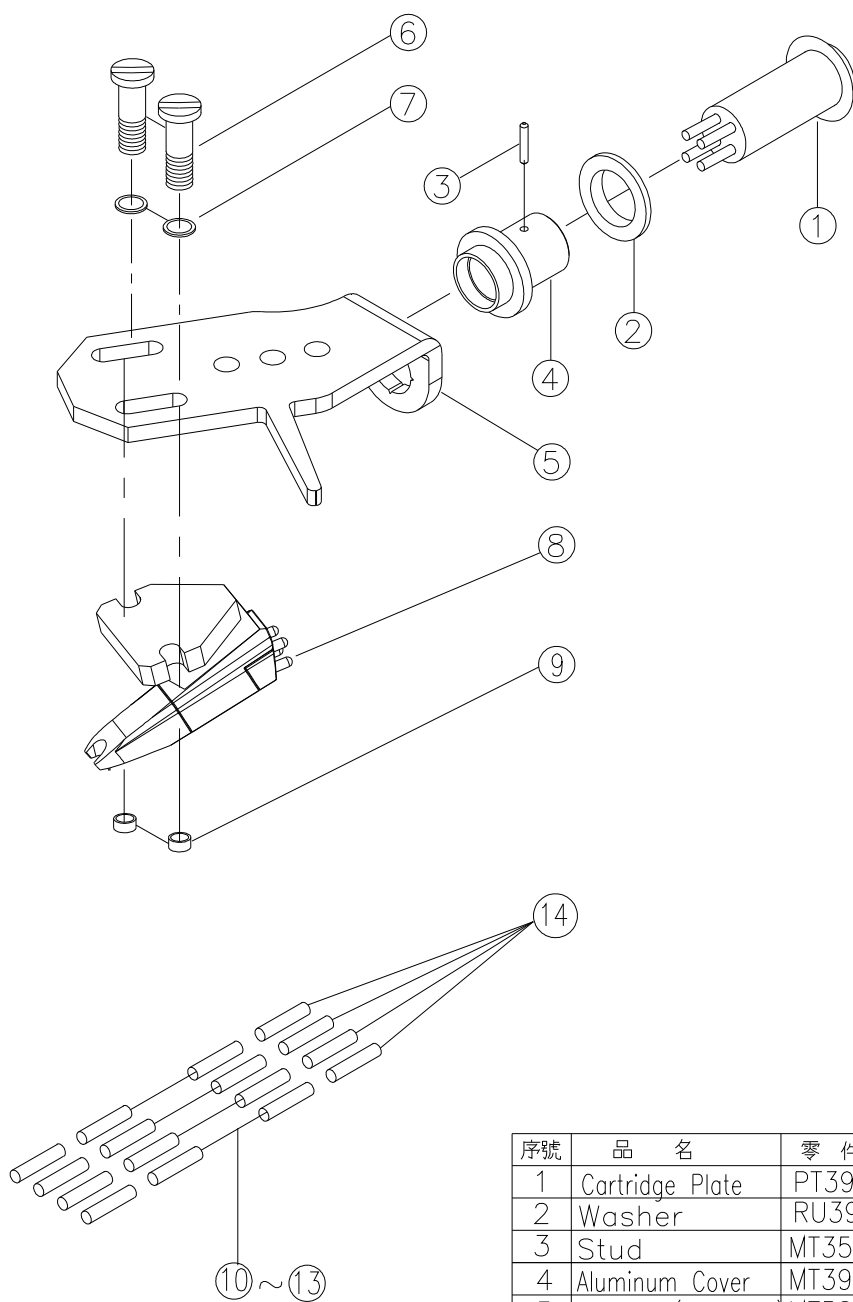
Power supply : DC 12V,500 mA
Power Consumption : 6W
Dimensions : 420 (W)x340(D)x121(H)mm
Weight : 4.6kg

Cartridge Ortofon OM10 :

Output voltage at 1000 Hz, 5cm/sec :4mV
Channel balance at 1 kHz :2dB
Channel balance at 1 kHz :22dB
Channel separation at 15 kHz :15dB
Frequency range at - 3dB :20-22.000Hz
Frequency response : 20-20.000Hz+3/-1dB
Tracking ability at 315 Hz at recommended tracking force :
..... 70 um
Compliance, dynamic, lateral :25um/mN
Stylus type : Elliptical
Stylus tip radius : r/R 8/18 um
Tracking force range : 1,25-1,75g (12,5-17,5mN)
Tracking force, recommended : 1,5 g (15mN)
Tracking angle : 20°
Internal impedance, DC resistance : 750 Ohm
Internal inductance :450 mH
Recommended load resistance :47 kOhm
Recommended load capacitance :200-500 pF
Cartridge colour, body/stylus :Black
Cartridge weight : 5 g
Replacement stylus unit :Stylus 10

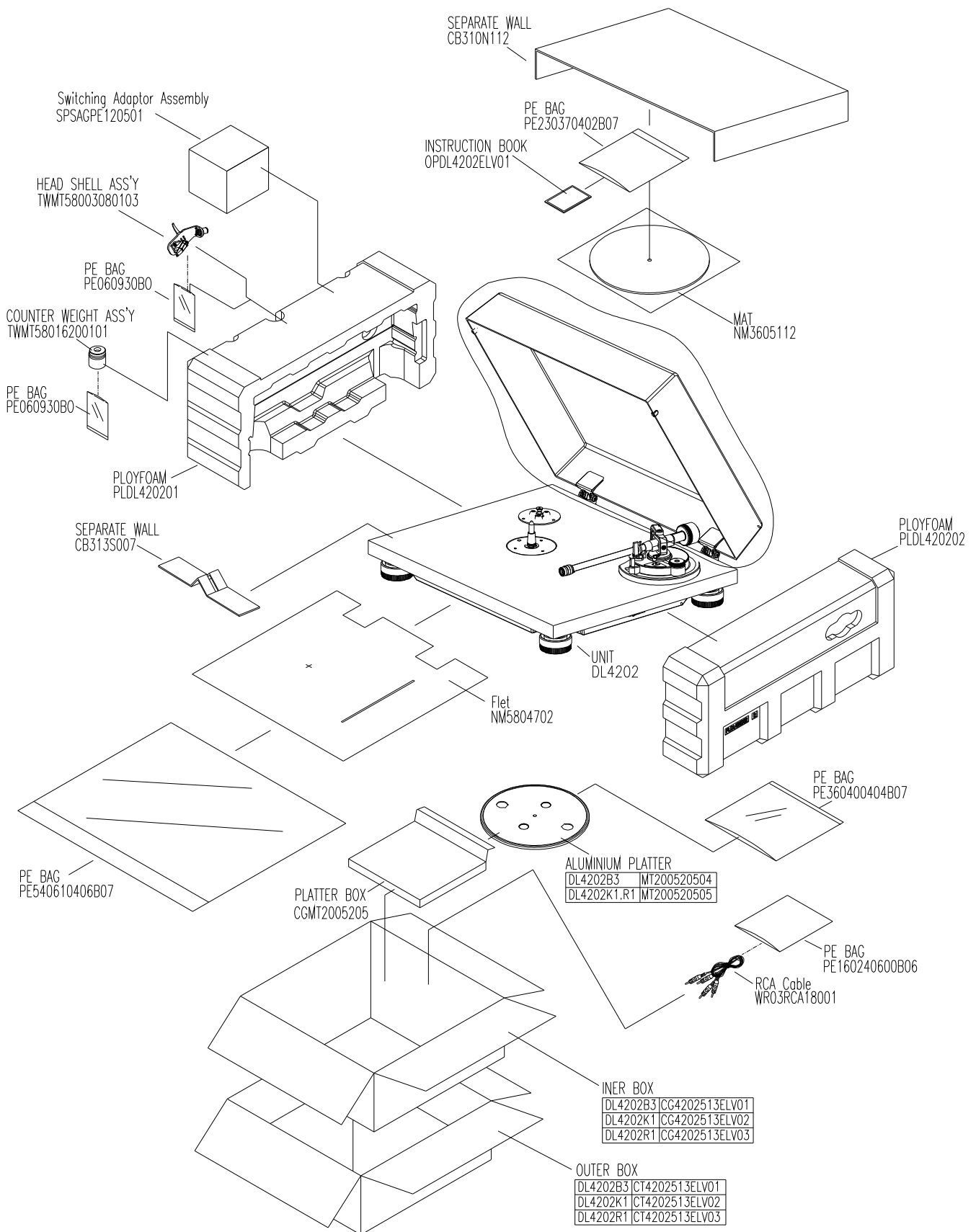
TWMT58003080103 Headshell Assembly

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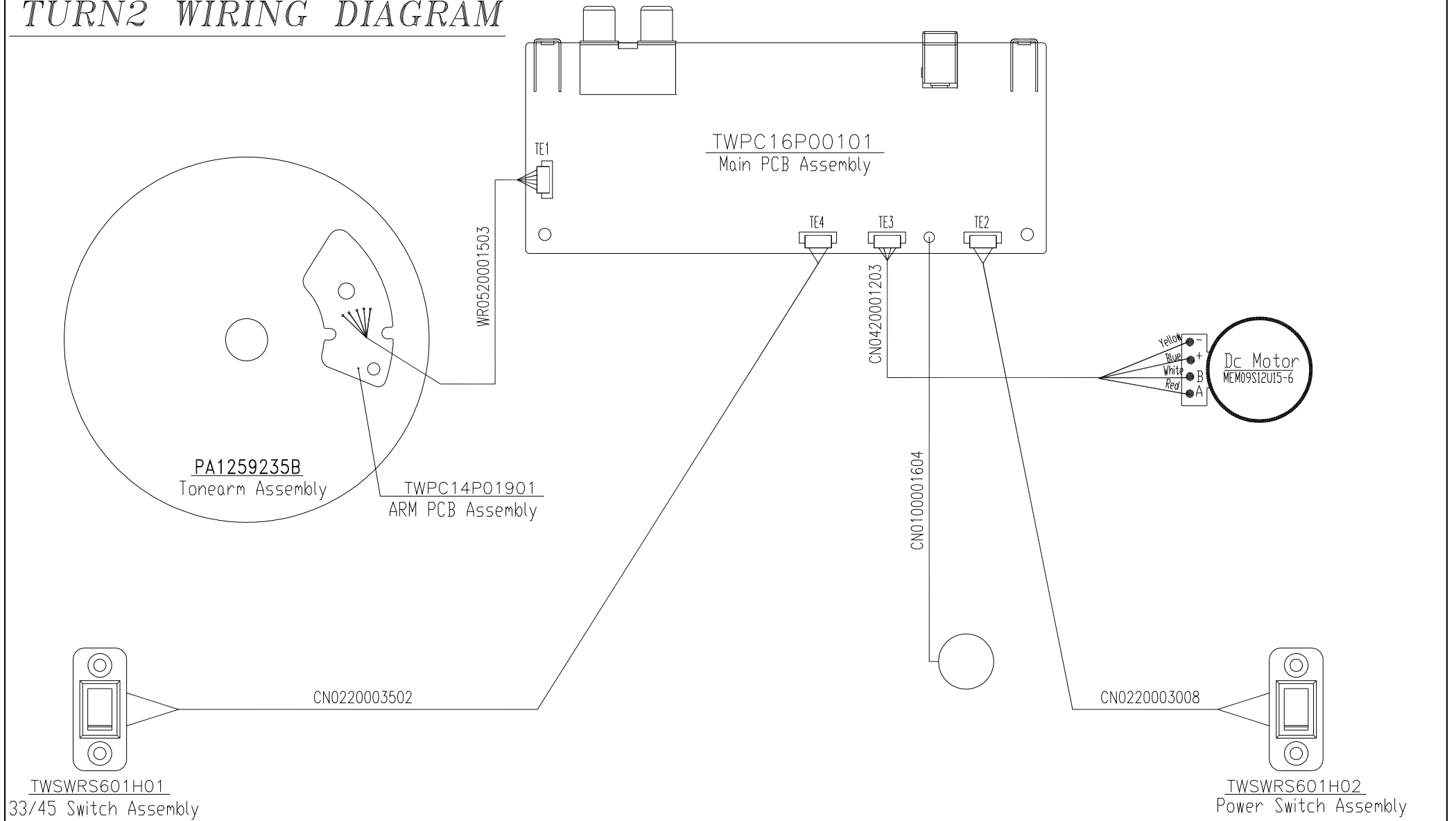


| 序號 | 品 名                   | 零 件 料 號      | 數量 | 備註 |
|----|-----------------------|--------------|----|----|
| 1  | Cartridge Plate       | PT390070401  | 1  |    |
| 2  | Washer                | RU3900701    | 1  |    |
| 3  | Stud                  | MT350070301  | 1  |    |
| 4  | Aluminum Cover        | MT390070401  | 1  |    |
| 5  | Headshell (Anodizing) | MT580030801  | 1  |    |
| 6  | Screw                 | SC2609PIHA   | 2  |    |
| 7  | Washer                | WS052505P    | 2  |    |
| 8  | Cartridge             | CROM10       | 1  |    |
| 9  | Nut                   | NUT0526IHA   | 2  |    |
| 10 | Wire White 30mm       | DWW100301    | 1  |    |
| 11 | Wire Red 30mm         | DWR100301    | 1  |    |
| 12 | Wire Green 30mm       | DWE100301    | 1  |    |
| 13 | Wire Blue 30mm        | DWA100301    | 1  |    |
| 14 | Tube                  | PST020010TYH | 4  |    |

# TURN2 PACKING DRAWING



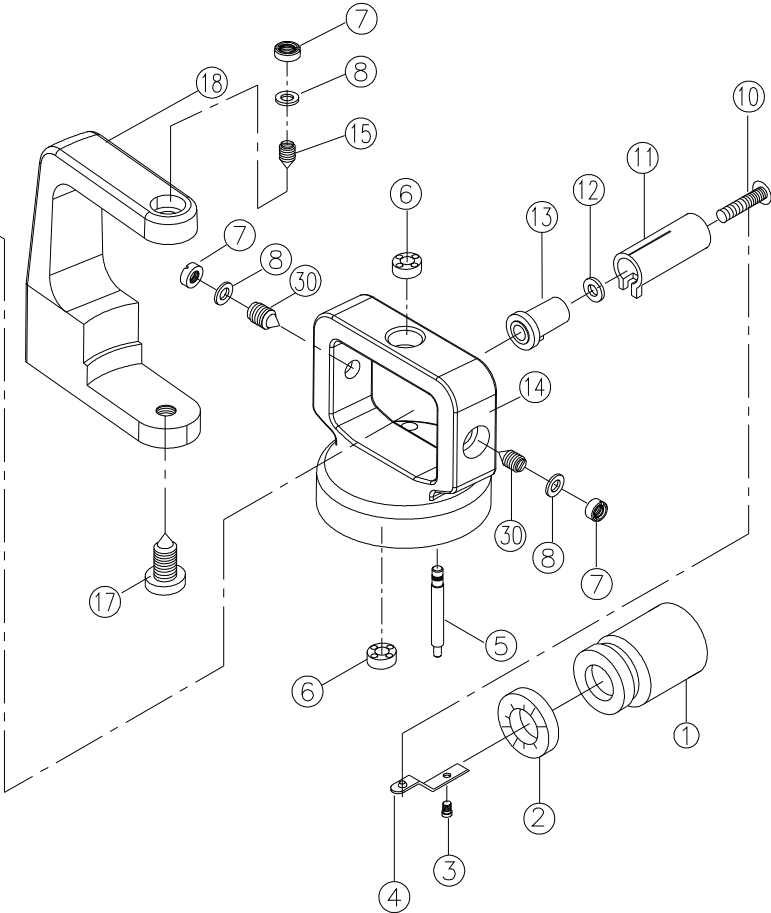
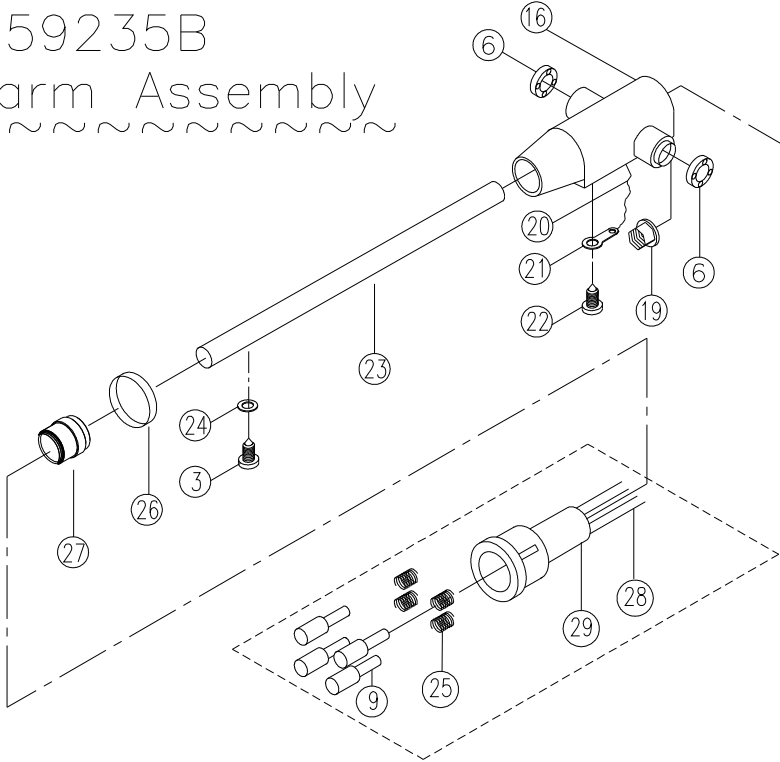
# TURN2 WIRING DIAGRAM



# PA1259235B

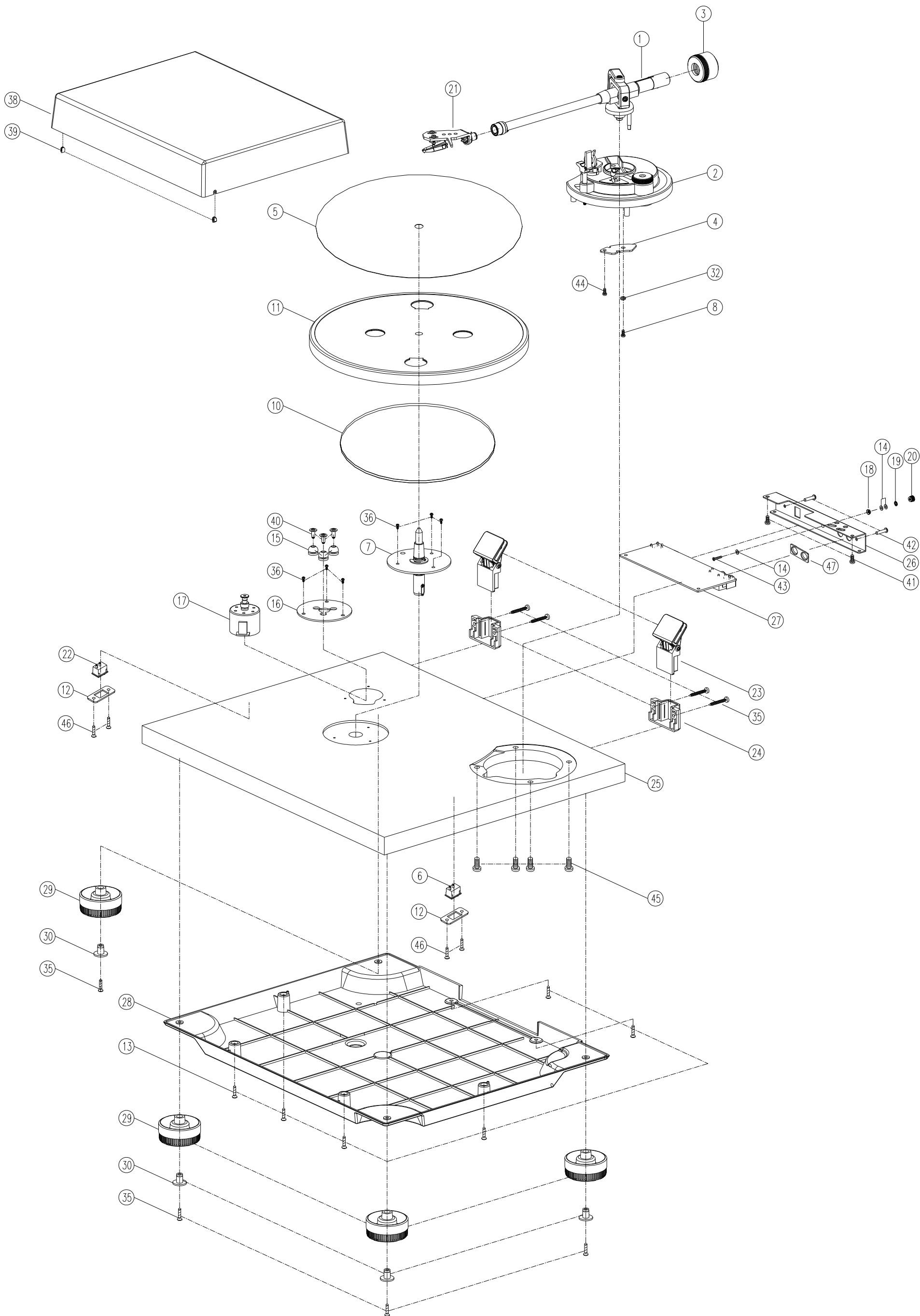
## Tonearm Assembly

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NO	DESCRIPTION	P/N	QTY	NO	DESCRIPTION	P/N	QTY
1	Counter Weight(Painting Black)	MT580162001	1	18	ARM Base (Printing 3% Black)	MT360110101	1
2	CounterWeight Scale	PT36016011	1	19	Nut 3M/M	NUT0403IIZ	1
3	Screw	SC0203PAPI	2	20	Tonearm Wire Black 90mm AWG36	WR0100000901	1
4	Spring Plate(Counter Weigh)	MT360100501	1	21	Ground plate	SK8	1
5	Copper	MT3601316	1	22	Screw	SC2606RBNI	1
6	Bearing	TWMT3501202	4	23	ARM tube(AL) (Painting Black)	MT580092301	1
7	Nut	NUT0504JCP	3	24	Washer	WS2402205IIZ	1
8	Washer	WS20401XN	3	25	Spring	B7-5	4
9	Stud(Short)	MT3500704	4	26	Washer	MT3700701	1
10	Screw	SC0325PIBI	1	27	Stud Headshell(Painting Black)	MT320070104	1
11	Tube Plastic	PT360100602	1	28	Wire 250mm(blue)	WR0036250A1	1
12	Washer	WS108003208BI	1		Wire 250mm(green)	WR0036250E1	1
13	Cushion Rubber	RU3601001	1		Wire 250mm(Red)	WR0036250R1	1
14	ARM Base(Printing 3% Black)	MT360110205	1		Wire 250mm(White)	WR0036250W1	1
15	Screw	MT5801315	1	29	Bronze Sleeve Plastic	B7-3	1
16	Arm Base	PT3501125	1	30	Screw<ARM>	MT5801309	2
17	SCREW(ARM)	MT5801314	1				

TURN2 EXPLODE DIAGRAM



TURN2 BOM

LEVEL	P/N	DESCRIPTION	QTY	REF
1	BAGL-40A	Clip	1	
1	BE1744506B	Belt	1	10
1	CB310N112	Separate Wall	1	
1	CB313S007	Separate Wall	1	
1	CG4202513ELV01	Inner Box	1	(DL4202B3)
1	CG4202513ELV02	Inner Box	1	(DL4202K1)
1	CG4202513ELV03	Inner Box	1	(DL4202R1)
1	CGMT2005205	Platter inner Box	1	
1	CL17001	CLIP	1	
1	CT4202513ELV01	Carton	1	(DL4202B3)
1	CT4202513ELV02	Carton	1	(DL4202K1)
1	CT4202513ELV03	Carton	1	(DL4202R1)
1	MT200520504	Alumi Platter	1	(DL4202B3) 11
1	MT200520505	Alumi Platter	1	(DL4202K1、R1) 11
1	MT5804404	Fixed Plate(switch)	2	12
1	MT580472201	Signal Output Metal(Painting 3% Black)	1	26
1	MT580950401	Motor Panel	1	16
1	NM3605112	Felt (Velvet Carpet)	1	5
1	NM5804702	Flet	1	
1	NM58302100	Cabinet	1	(DL4202B3) 25
1	NM58302165	Cabinet	1	(DL4202K1) 25
1	NM58302164	Cabinet	1	(DL4202R1) 25
1	NUT01030IID	Nut	1	18
1	NUT05030ICU	Nut	1	20
1	OPDL4202ELV01	Instruction Book	1	
1	PE060930BO	Pe Bag	2	
1	PE160240600B06	Pe Bag	1	
1	PE230370402B07	Poly Bag 230*370mm	1	
1	PE360400404B07	Plastic Bag	1	
1	PE540610406B07	Plastic bag	1	
1	PLDL420201	Poly Foam(Left)	1	
1	PLDL420202	Poly Foam(Right)	1	
1	PT2030603	Plastic Stand	4	30
1	PT5804701	Insulat plate	1	
1	PT5830105	Dust Cover	1	38
1	PT5830311	Bottom Chassis	1	28
1	PT5830401	Plastic Fix Base	2	24
1	RU4109301	Cushion Motor	3	15
1	RU5830501	Top Cover Runner	2	39
1	RU5830611	Rubber Foot	4	29

TURN2 BOM

LEVEL	P/N	DESCRIPTION	QTY	REF
1	SC0306RIBI	Screw M3X6 PPB	2	42
1	SC0308RBNI	Screw M3X8 PRN Tapping	1	44
1	SC0310FABI	Screw M3X10 PFB Tapping	4	46
1	SC0310WBNI	Screw M3X10XΦ9 Prwn W/Washer Tapping	4	45
1	SC0314PMJI	Screw M3X14 PPN	1	43
1	SC0315BABI	Screw	6	36
1	SC0325PABI	Screw M3x25,PPB Tapping	8	35
1	SC0416PINI	Screw M4*16PPN	1	
1	SC2608W8INI	Screw	3	40
1	SC3510BABI	Screw	2	41
1	SC3516BABI	Screw	6	13
1	WR03RCA18001	RCA Cable 3P Wire Length 1800mm RCA/RCA+	1	
		GND		
1	WS070409IN	Washer 4mm	1	
1	WS073307IC	Washer Flat	3	14
1	WS2402205IN	Washer Spring 2mm	1	32
1	WS663309IC	Spring Washer 3#	1	19
1	PA1259235B	Tonearm Assembly(Black)	1	1
2	MT320070104	Stud Headshell(Painting Black)	1	
3	MT3200701	Stud Headshell(AL)	1	
2	MT360100501	Spring Plate(Counter Weigh)	1	
2	MT360110101	ARM Base (Printing 3% Black)	1	
2	MT360110205	ARM Base(Printing 3% Black)	1	
2	MT3601316	Copper	1	
2	MT3700701	Washer	1	
2	MT580092301	ARM tube(AL) (Painting Black)	1	
3	MT5800923	ARM tube(AL)	1	
2	MT5801309	Screw(ARM)	2	
2	MT5801314	SCREW(ARM)	1	
2	MT5801315	SCREW(ARM)	1	
2	NUT0403IIZ	Nut 3M/M	1	
2	NUT0504JCP	Nut	3	
2	PT3501125	Arm Base	1	
2	PT360100602	Tube Plastic	1	
3	PT3601006	Tube Plastic	1	
2	RU3601001	Cushion Rubber	1	
2	SC0203PAPI	Screw M2X3 PPN Tapping	2	
2	SC0325PIBI	Screw M3X25 PPB	1	
2	SC2606RBNI	Screw M2.6X6 PPN Tapping	1	

TURN2 BOM

LEVEL	P/N	DESCRIPTION	QTY	REF
2	SK8	Ground plate	1	
2	TWB7-312	Bronze Sleeve Plastic Assembly	1	
3	B7-3	Bronze Sleeve Plastic	1	
4	B7-2	Bronze Sleeve	1	
3	B7-5	Spring	4	
3	MT3500704	Stud(Short)	4	
3	TWWR003625001	Wire Assembly	1	
4	WR0036250A1	Wire 250mm(Blue)	1	
4	WR0036250E1	Wire 250mm(green)	1	
4	WR0036250R1	Wire 250mm(Red)	1	
4	WR0036250W1	Wire 250mm(White)	1	
2	TWMT3501202	Bearing	4	
3	BB010	1.0 Steel Ball	16	
3	MT3501202	Bearing Base	4	
3	MT3501203	Bearing Cover	4	
2	WR0100000901	Tonearm Wire Black 90mm AWG36	1	
2	WS108003208BI	Washer	1	
2	WS20401XN	Washer	3	
1	TWGPE053A120502	Switiching Adaptor Assembly	1	
2	OTGPEK053BS	GPE UK	1	
2	OTGPEK053ULP	GPE UL	1	
2	OTGPEK053VDEP	GPE EU	1	
2	SPSAGPE120501	Switch Power DC 12V/0.5A	1	
1	TWM09S12U15-645	Motor Assembly	1	17
2	CN0420001203	Flat Cable 4pin pitch2.0mm Single Row	1	
		Length 120mm Female/Line		
2	MEM09S12U15-6	Dc Motor	1	
2	MT3509506	Pully Motor	1	
1	TWMT35056040102	Spinle Assembly	1	7
2	SC0204BIPI	Screw M2X4 PBN	1	
2	SK8	Ground plate	1	
2	TWMT300550603	Shaft And Brass Assembly	1	
3	ERE76SUS	6MM E Ring	1	
3	MT3005506	Shaft	1	
3	MT5805603	Copper	1	
2	TWMT35056040101	Spindle Assembly	1	
3	ERE710	10mm E Ring	1	

TURN2 BOM

LEVEL	P/N	DESCRIPTION	QTY	REF
3	MT3005609	Bronze Sleeve (Spinle)	1	
3	MT350560401	Metal Plate-Painting	1	
4	MT3505604	Cabinet Metal Board	1	
3	WS080010NW	Washer	1	
3	WS100010SS	Washer(Iron)	1	
2	WS2402205IN	Washer Spring 2mm	1	
1	TWMT58003080103	Headshell Assembly	1	21
2	CROM10	Cartridge	1	
2	DWA100301	Wire Blue 30mm	1	
2	DWE100301	Wire Green 30mm	1	
2	DWR100301	Wire Red 30mm	1	
2	DWW100301	Wire White 30mm	1	
2	MT580030801	Headshell (Anodizeing)	1	
2	NUT0526IHA	Nut	2	
2	PST020010TYH	Tube	4	
2	RU3900701	Washer (T:0.8M/M)	1	
2	SC2609PIHA	Screw M2.6*9 SPH	2	
2	TWMT390070401	Fixed Aluminum head Assembly	1	
3	MT350070301	Stud	1	
3	MT390070401	Aluminum Cover	1	
3	PT390070401	Cartridge Plate	1	
4	MT390070701	Stud	4	
2	WS052505P	Washer	2	
1	TWMT58016200101	Counter Weight Assembly	1	3
2	MT580162001	Counter Weight(Painting Black)	1	
3	MT5801620	Counter Weight	1	
2	PT36016011	Counterweight Scale	1	
3	PT3601601	Counterweight Scale	1	
1	TWPC14P01902	ARM PCB Assembly	1	4
2	K46-1	Wire Tie	1	
2	PC14P019	ARM PCB	1	
2	WR0520001504	Shielding Cable 5pin Row Pitch:2.0mm	1	
		Length 150mm Pin/Female Header		
1	TWPC16P00101	Main PCB Assembly	1	27
2	CN0100001604	Flat Cable GND Wire Black Length 160mm	1	(GND)
		Line/Line		

TURN2 BOM

LEVEL	P/N	DESCRIPTION	QTY	REF
2	CS104K5003X7R	CCAP SMD 0.1uF/50V 10% 0603 X7R	4	C8,19,55,56
2	EC22725T	Capacitor Electrolytic 220uF/25V 8*12mm	1	EC1
2	EC47725	Ecap General Purpose 470uF/25V 8*14mm	1	EC16
2	ICNJM2387	IC NJM2387	1	IC2
2	JK4103909-0580B	RCA Jack (One Output)	1	JK2
2	JKDJ-0702B-020	DC Base 2.0MM	1	JK1
2	MT11044128	Fixed Plate	2	(M2,3)
2	PC16P001	Main PCB 2Layer FR-4 137x55mm	1	-
2	RS000008J05	RES 0Ω 5% SMD 0805	1	R13
2	RS001K10F03	RES 1K 1% SMD 0603	1	R12
2	RS012K10F03	RES 12K 1% SMD 0603	1	R7
2	RS024K10F03	RES 24K 1% SMD 0603	1	R6
2	RS06K810F03	RES 6.8K 1% SMD 0603	1	R11
2	TE10200502	Connector (5P Socket)180°	1	TE1
2	TE612000201R	Connector(2P Socket)	1	TE2
2	TE612000202	Terminal 2P 2.0 180°	1	TE4
2	TE612000402	Terminal(4P)180°	1	TE3
2	UH465516-351	Common mode inductance-350Ω	1	L1
1	TWPT203040801	Hinge Plastic Assembly	2	23
2	GELFL-955	Oil	0.2	
2	MT2030401	Hinge Stud	2	
2	PT2030404	Hinge Plastic	2	
2	PT2030408	Hinge Plastic	2	
2	SA304-6	Hinge Plastic	2	
2	SP5830401	Spring	2	
1	TWPT36029160301	ARM Base Assembly	1	2
2	CSB72	Cs Ring (2mm)	1	
2	MT3540206	Metal Plate (Anti Skating)	1	
2	MT3601314	Tone Arm Base Shaft	1	
2	MT3603801	Metal Brass	1	
2	MT3613303	Cueng Rotated Sleeve	1	
2	NUT0403IIZ	Nut 3M/M	1	
2	P3513302	Lever Cueing	1	
3	M3513306	Cueing Shaft	1	
2	PT3503604	Arm Hook	1	
2	PT3503606	Arm Rest Shelf	1	
3	P35-P	Stud,Plated	1	
2	PT3601301	Push Rod	1	

TURN2 BOM

LEVEL	P/N	DESCRIPTION	QTY	REF
2	PT360291603	ARM Base Process(Printing 3% B)	1	
3	PT3602916	ARM Base	1	
2	PT3610618	Anti-Skating,Accessory	1	
3	PT3610602	Anti-Skating,Printing	1	
2	PT3613301	Cueing Rotated Shaft	1	
2	PT3613302	Plastic Cueing Base	1	
2	PT3613304	Plastic Cueing Fix Base	1	
2	PT3640201	Plastic RotatedShaft	1	
2	PT3640202	Anti Skating,Accessory	1	
2	SC0308RBNI	Screw M3X8 PRN Tapping	2	
2	SC0310RBNI	Screw M3X10 PRN Tapping	1	
2	SC0410RINI	Screw M4X10 PPN	1	
2	SC2608PBNI	Screw M2.6*8 PPN Tapping	1	
2	SC2611RINI	Screw M2.6X11 PPN	1	
2	SP3513325	Spring For Eleuator	1	
2	SP3606403	Spring	1	
2	SP3606405	Spring	1	
2	TWPT360380101	Plastic Cueing Elevator Assembly	1	
3	PT3603801	Plastic Cueing Elevator	1	
3	RU3503805	Cushion Elevator	1	
2	WS070409IN	Washer 4mm	1	
2	WS110504535	ARM Base Washer	1	
2	WS112052025P	Flat Washer	1	
2	WS2402205IN	Washer Spring 2mm	1	
1	TWSWRS601H01	33/45 Switch Assembly	1	6
2	AL7-13-0080	Heat Shrink Tubing 1/16*5/8	2	
2	CN0220003502	Flat Cable Multicolored 2P Pitch 2.0mm	1	
		Dual Row Length 350mm Line/Female		
2	SWRS601H	Switch Rocker Single Row	1	
1	TWSWRS601H02	Power Switch Assembly	1	22
2	AL7-13-0080	Heat Shrink Tubing 1/16*5/8	2	
2	CN0220003008	Flat Cable Multicolored 2P Pitch 2.0mm	1	
		Single Row Length 300mm Female/Line		
2	SWRS601H	Switch Rocker Single Row	1	

1

2

3

4

A

A

B

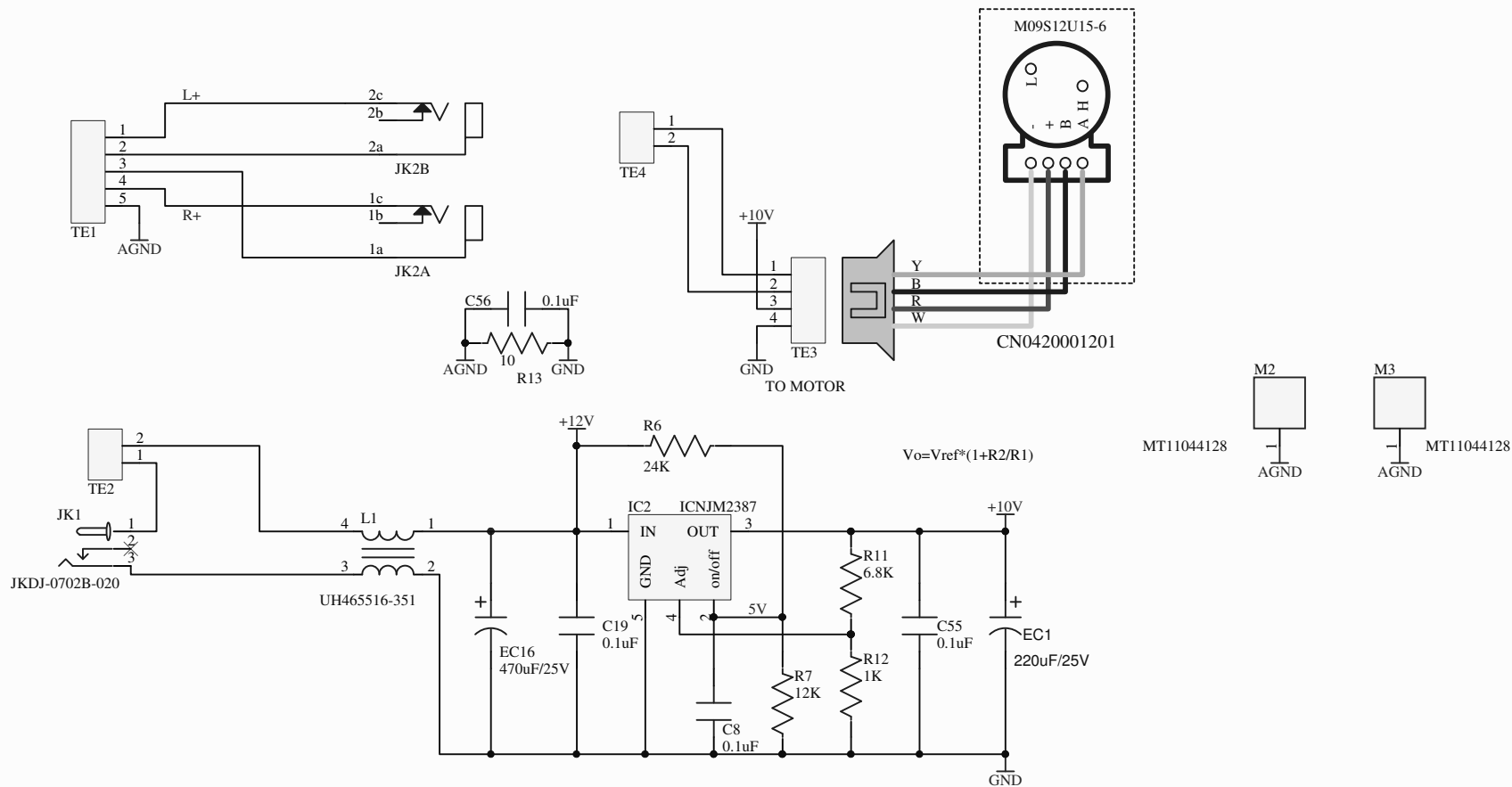
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C

C

D

D



Title: DL4202			
Size A4	Number	Revision	
Date :	Sheet of		
File Name:	Design By :		

Approval	Check	Design	REV	DATE	Description

1

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4

