

Wagner

ELECTRONIC SERVICES A/Asia
138 LIVERPOOL RD ASHFIELD 2131
PH 02 97989233 FAX 02 97980017

SECTION

05

CD DVD & PHONO

2006-2007

Wagner Electronic Services has been supplying accessories to the electronic manufacturing, servicing & installation industry for over 20 years !

We supply an extensive range of Electronic Components for servicing Audio Equipment Including Cassette Play/Record Heads, Drive Motors, Laser Assemblies, Belts and Stylis.

Email: sales@wagner.net.au

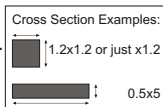
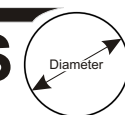
Phone: +61-2-9798-9233

Fax: +61-2-9798-0017

PLEASE READ ME!

BELTS

Suit Cassette, Portable, Dictation machines, Personal Audio, 3in1, Turntable, CD, and maybe some Reel to Reel. For Video it is advised that you use only original part No's in section four.



Please take care in measuring and selecting the correct size of belt. Extract and squeeze the belt together, measure its length then double it to give you the belts total length. Note:

Do Not Order using the Length value.

From the tables listed, read off the diameter.

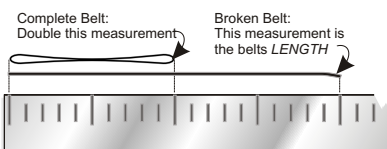
This is the value used in our codes.

Choose the next size down if the belt is stretched. The thickness is a measure of the cross-section of the belt. If the belt is missing or damaged beyond recovery then you could duplicate the belt by running a piece of string around the mech' and use its length as a general guide. Please take advantage of our discount structure. The belts are available individually but are 10% cheaper if bought in bag quantities of ten (No mixed values).

WHEN ORDERING QUOTE THE DIAMETER & THICKNESS ONLY

e.g. **195x0.5x5** 195mmØ, 0.5x5mm thick. (612mm long)

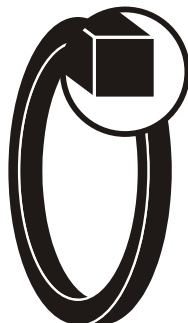
80x1.2 80mmØ, 1.2mm thick. (251mm long)



Remember to allow for the old belt to have been stretched.

SQUARE SECTION 1.0mm X 1.0mm

Code	Length
10X1	31 mm
12X1	38 mm
13X1	41 mm
15X1	47 mm
17X1	54 mm
19X1	60 mm
22X1	69 mm
25X1	79 mm
27X1	84 mm
31X1	97 mm
33X1	103 mm
35X1	110 mm
37X1	116 mm
40X1	125 mm
43X1	135 mm
46X1	144 mm
49X1	154 mm
51X1	160 mm
54X1	169 mm
57X1	179 mm
60X1	188 mm
63X1	198 mm
66X1	207 mm
69X1	216 mm
72X1	226 mm
75X1	235 mm
122X1	380 mm



SQUARE SECTION 1.4mm X 1.4mm

Code	Length
10X1.4	31 mm
12X1.4	38 mm
13X1.4	41 mm
15X1.4	47 mm
17X1.4	54 mm
19X1.4	60 mm
22X1.4	69 mm
25X1.4	79 mm
27X1.4	84 mm
31X1.4	97 mm
33X1.4	103 mm
35X1.4	110 mm
37X1.4	116 mm
37.3X1.6	***
40X1.4	125 mm
43X1.4	135 mm
46X1.4	144 mm
49X1.4	154 mm
51X1.4	160 mm
54X1.4	169 mm
57X1.4	179 mm
60X1.4	188 mm
63X1.4	198 mm
66X1.4	207 mm
69X1.4	216 mm
72X1.4	226 mm
75X1.4	235 mm
80X1.4	251 mm
85X1.4	267 mm
90X1.4	282 mm
95X1.4	298 mm
97X1.4	305 mm
100X1.4	314 mm
105X1.4	330 mm
110X1.4	346 mm
115X1.4	361 mm
121X1.4	380 mm
127X1.4	399 mm
131X1.4	412 mm
136X1.4	427 mm

*** CD loading belt Suit Sony, etc.

SQUARE SECTION 0.8mm x 0.8mm

Code	Length
10X.8	31 mm
12X.8	38 mm
13X.8	41 mm
15X.8	47 mm
17X.8	54 mm
19X.8	60 mm
22X.8	69 mm
25X.8	79 mm
27X.8	84 mm
31X.8	97 mm
33X.8	103 mm
35X.8	110 mm
37X.8	116 mm
40X.8	125 mm
43X.8	135 mm
46X.8	144 mm
49X.8	154 mm
51X.8	160 mm
54X.8	169 mm
57X.8	179 mm
60X.8	188 mm
63X.8	198 mm
66X.8	207 mm
69X.8	216 mm
72X.8	226 mm
75X.8	235 mm



SQUARE SECTION 1.2mm X 1.2mm

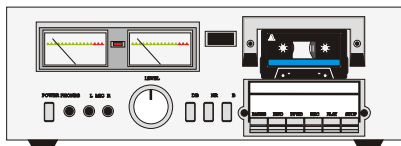
Code	Length
10X1.2	31 mm
12X1.2	38 mm
13X1.2	41 mm
15X1.2	47 mm
17X1.2	54 mm
19X1.2	60 mm
22X1.2	69 mm
25X1.2	79 mm
26.5X1.2	*Clarion
27X1.2	84 mm
31X1.2	97 mm
33X1.2	103 mm
35X1.2	110 mm
37X1.2	116 mm
40X1.2	125 mm
43X1.2	135 mm
46X1.2	144 mm
49X1.2	154 mm
51X1.2	160 mm
54X1.2	169 mm
57X1.2	179 mm
60X1.2	188 mm
63X1.2	198 mm
66X1.2	207 mm
69X1.2	216 mm
72X1.2	226 mm
73X1.2	229 mm
75X1.2	235 mm
80X1.2	251 mm
85X1.2	267 mm
90X1.2	282 mm
95X1.2	298 mm
97X1.2	305 mm
100X1.2	314 mm
105X1.2	330 mm
110X1.2	346 mm
115X1.2	361 mm
116X1.25	**Suit Philips
121X1.2	380 mm
127X1.2	399 mm
131X1.2	412 mm
136X1.2	427 mm

SQUARE SECTION 2.0mm X 2.0mm

Code	Length
10X2	31 mm
12X2	38 mm
13X2	41 mm
14X2	44 mm
16X2	51 mm
18X2	57 mm
19X2	60 mm
22X2	69 mm
25X2	79 mm
27X2	84 mm
31X2	97 mm
33X2	103 mm
35X2	110 mm
37X2	116 mm
39X2	120 mm
40X2	125 mm
43X2	135 mm
46X2	144 mm
49X2	154 mm
51X2	160 mm
54X2	169 mm
57X2	179 mm
60X2	188 mm
63X2	198 mm
66X2	207 mm
69X2	216 mm
72X2	226 mm
75X2	235 mm
80X2	251 mm
85X2	267 mm
90X2	282 mm
93X2	292 mm
95X2	298 mm
97X2	305 mm
100X2	314 mm
105X2	330 mm
110X2	346 mm
115X2	361 mm
121X2	380 mm
127X2	399 mm



FLAT SECTION BELTS 0.5x3mm



**Please Read the BELTS
On The Previous Page
for Instructions!**

Code	Length
31X.5X3	97mm
33X.5X3	103mm
35X.5X3	110mm
37X.5X3	116mm
43X.5X3	135mm
46X.5X3	145mm
49X.5X3	154mm
51X.5X3	160mm
54X.5X3	169mm
57X.5X3	179mm
60X.5X3	188mm
63X.5X3	198mm
66X.5X3	207mm
69X.5X3	216mm
72X.5X3	226mm
75X.5X3	235mm
80X.5X3	251mm
85X.5X3	267mm
90X.5X3	282mm
95X.5X3	298mm
100X.5X3	314mm
105X.5X3	330mm
110X.5X3	346mm
115X.5X3	361mm
121X.5X3	380mm

FLAT SECTION BELTS 0.6x5mm

Code	Length
31X.6X5	97mm
35X.6X5	110mm
37X.6X5	116mm
40X.6X5	125mm
43X.6X5	135mm
46X.6X5	145mm
51X.6X5	160mm
54X.6X5	169mm
57X.6X5	179mm
60X.6X5	188mm
63X.6X5	198mm
66X.6X5	207mm
69X.6X5	216mm
72X.6X5	226mm
75X.6X5	235mm
80X.6X5	251mm
85X.6X5	267mm
90X.6X5	282mm
95X.6X5	298mm
100X.6X5	314mm
105X.6X5	330mm
110X.6X5	346mm
115X.6X5	361mm
120X.6X5	377mm
126X.6X5	395mm
132X.6X5	415mm
143X.6X5	450mm
150X.6X5	471mm
160X.6X5	502mm
170X.6X5	534mm
175X.6X5	550mm
180X.6X5	565mm
185X.6X5	581mm
189X.6X5	593mm
195X.6X5	612mm
200X.6X5	628mm
205X.6X5	644mm
210X.6X5	659mm
222X.6X5	697mm
238X.6X5	748mm
262X.6X5	823mm

FLAT SECTION BELTS 0.6x6mm

57X.6X6	179mm
60X.6X6	188mm
63X.6X6	198mm
66X.6X6	207mm
69X.6X6	216mm
72X.6X6	226mm
75X.6X6	235mm
80X.6X6	251mm
85X.6X6	267mm
90X.6X6	282mm
95X.6X6	298mm
100X.6X6	314mm
105X.6X6	330mm
110X.6X6	346mm
115X.6X6	361mm
120X.6X6	380mm
122X.6X6	385mm
126X.6X6	395mm
132X.6X6	414mm
143X.6X6	449mm
150X.6X6	471mm
160X.6X6	502mm
170X.6X6	534mm
175X.6X6	550mm
180X.6X6	565mm
185X.6X6	581mm
189X.6X6	593mm
195X.6X6	612mm
200X.6X6	628mm
205X.6X6	644mm
210X.6X6	659mm

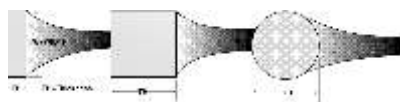
SUGGESTION:

Belt Missing?
Measure the
inner-platter
diameter !
This will give
you an approx'
Belt Diameter.
Pick the next size down.



FLAT SECTION BELTS 0.5x4mm

Code	Length
31X.5X4	97mm
33X.5X4	103mm
35X.5X4	110mm
37X.5X4	116mm
40X.5X4	125mm
43X.5X4	135mm
46X.5X4	145mm
49X.5X4	154mm
51X.5X4	160mm
54X.5X4	169mm
57X.5X4	179mm
60X.5X4	188mm
63X.5X4	198mm
66X.5X4	207mm
69X.5X4	216mm
72X.5X4	226mm
75X.5X4	235mm
80X.5X4	251mm
85X.5X4	267mm
90X.5X4	282mm
95X.5X4	298mm
100X.5X4	314mm
105X.5X4	330mm
110X.5X4	346mm
115X.5X4	361mm
121X.5X4	380mm



FLAT SECTION BELTS 0.5x5mm

Code	Length
120X.5X5	377mm
126X.5X5	395mm
132X.5X5	415mm
143X.5X5	450mm
150X.5X5	471mm
160X.5X5	502mm
170X.5X5	534mm
175X.5X5	550mm
180X.5X5	565mm
185X.5X5	581mm
189X.5X5	593mm
195X.5X5	612mm
200X.5X5	628mm
205X.5X5	644mm
210X.5X5	659mm
222X.5X5	697mm
238X.5X5	739mm
262X.5X5	823mm
292X.5X5	917mm



CD LOADING BELT 38x1.6mm

Suit Sony
HD, HCDH,
& Many others
Size 37.3x1.6mm
Orig. 4-927-649-01
Code BLT4901



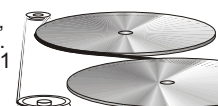
SHARP CD SLED 18x.5x3

18x.5x3
APPROX
Code BLT117



CAR AUTO-REVERSE 122x1

Popular belt used
in many brands of
car cassette like
Eurovox, Clarion,
and many others.
Code 122X1X1



PHILIPS CAR PLASTIC MECH

Belt to suit
popular mech P1.
See Fly wheels
next page....

116.5X1.25

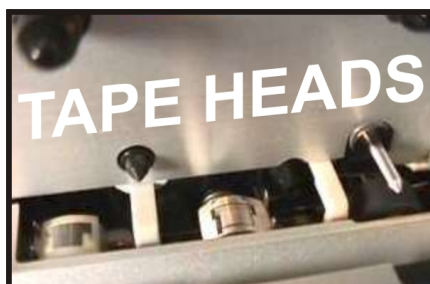




Locked Bag 30
138 Liverpool Rd
Ashfield 2131

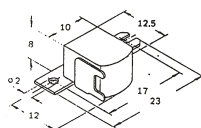
QUALITY
PRODUCTS and
ACCESSORIES

DA-1CHI®



STEREO RECORD/PLAYBACK

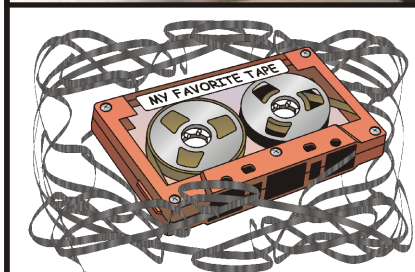
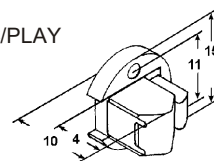
FOR HIFI USE
10KHz +/- 3dB
CODE AH202



AUTO REVERSE TAPE HEAD

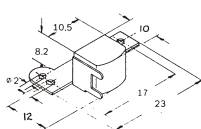
180° FLIP TYPE.
METAL BIAS REC/PLAY
WITH ERASE
12KHz +/- 3dB

CODE AH310



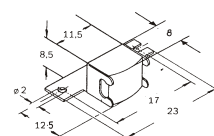
STEREO RECORD/PLAYBACK

FOR HIFI USE
10KHz +/- 3dB
CODE AH203

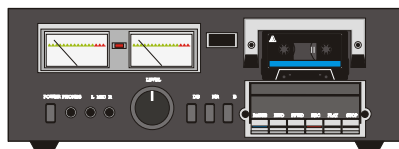


AUTO REVERSE

(4 Track)
Suit car stereo
playback.
10KHz +/- 4dB
CODE AH414

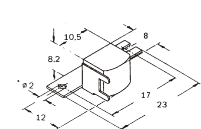


AUDIO TAPE HEADS



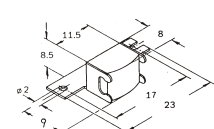
STEREO RECORD/PLAYBACK

FOR HIFI USE
10KHz +/- 3dB
CODE AH204



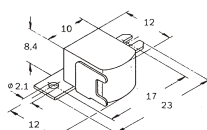
AUTO REVERSE

(4 Track)
Suit portables
and Walkpersons.
Playback.
10KHz +/- 4dB
CODE AH412



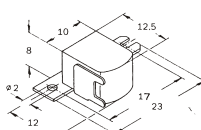
MONO RECORD PLAYBACK

7KHz +/- 4dB
CODE AH101



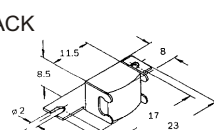
STEREO RECORD/PLAYBACK

METAL BIAS
14KHz +/- 3dB
CODE AH205



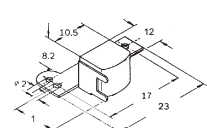
AUTO REVERSE

(4 Track)
RECORD/PLAYBACK
SUITABLE FOR
HIFI USE
12KHz +/- 3dB
CODE AH405



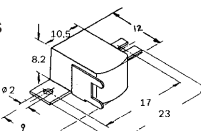
MONO RECORD PLAYBACK

7KHz +/- 4dB
CODE AH102



SONY TYPE

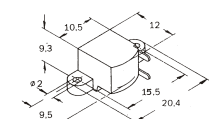
Suit many Sony
Rad/Cass recorders
10KHz +/- 3dB
CODE AH128



AC ERASE HEAD

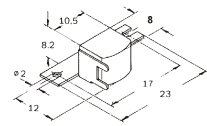
LOW IMPEDANCE
APPROX 5Ω DC
CODE EH900

BLACK BODY



MONO RECORD PLAYBACK

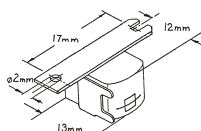
7KHz +/- 4dB
CODE AH103



UPSIDE DOWN TAPE HEAD

STEREO RECORD/PLAYBACK
METAL BIAS
14KHz +/- 3dB

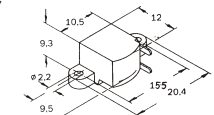
CODE AH207



DC ERASE HEAD

HIGH IMPEDANCE
APPROX 400ΩDC
CODE EH910

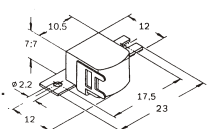
WHITE BODY



3 HEAD MONO

Record, Play &
Erase in one.

Equiv. National
Orig. WYO34AZ.
CODE AH306



HEAD & CAPSTAN CLEANER

Mechanical brush type.
Code A124



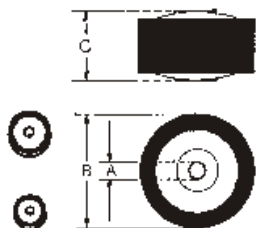
HEAD CLEANER

Tape with
cleaning
cloth tape.
Wet type.
Code A112



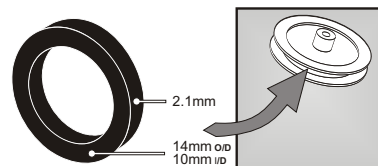
NYLON PINCH ROLLERS

Code	A x	B x	C
CPR10	1.5mm	9mm	6mm
CPR14	2mm	9mm	6mm
CPR18	1.5mm	10mm	6mm
CPR24	2mm	13mm	8mm
CPR28	2.5mm	13mm	8mm



CASSETTE IDLER TYRE

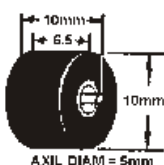
Suit Older mech's
with jockey wheel
type reel assemblies.
Code RT720



CASSETTE PINCH ROLLER

Used in plastic decks
where the shaft is a
part of the roller.

Code CPR16



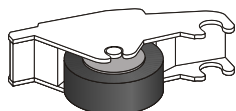
IDLER TYRE

Suit Nakamichi
DT series
O/D 32.95mm
I/D 28.50mm
Width 1.9mm
Code RT3319



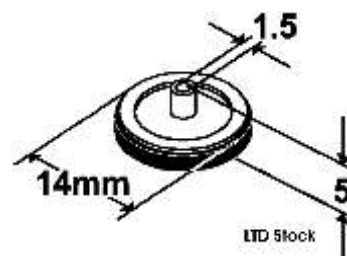
PHILIPS PINCH ROLLERS

Plastic mech
P1, P6, etc.
L & R the same.
Code CPR42



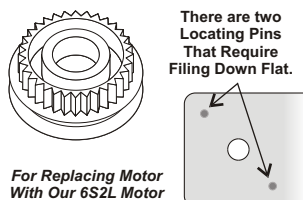
CASSETTE IDLER

Code CIA718



CLARION CAR STEREO

When replacing the
motor SMA102101 with
our substitute motor
MMI-6S2L (page 5-5)
you will need a new
pulley as the old one
is not removable.
Suit PN9325D, etc.
Code MP101



CLARION IDLERS.

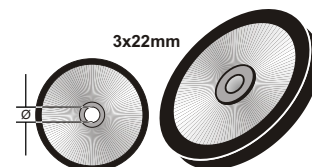
Both are the same except for centre hole.
Height - 3mm, Outside diameter - 22mm.

2.0mmØ CENTER HOLE

Code CIA725

2.0mmØ CENTER HOLE

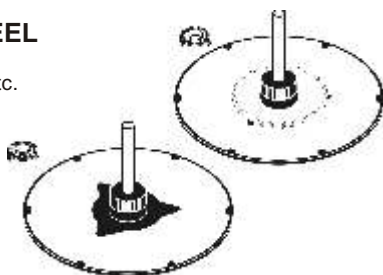
Code CIA726



PHILIPS FLYWHEEL

Plastic mech P1, P6, etc.
With or Without gear.
4822 528 80984
With FW984

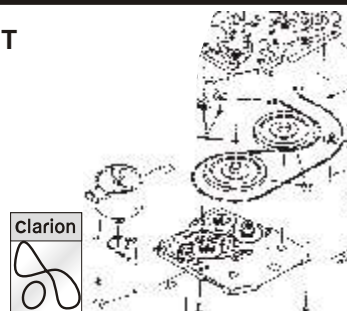
4822 528 80985
Without FW985



Belt to suit = 116.5X1.25

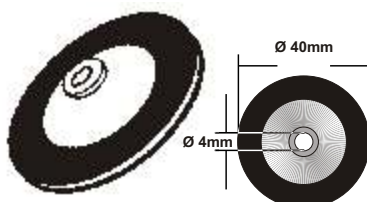
CLARION BELT KIT

25.6 x 1.2mm &
121.5 x 1.2mm
Suit 430,450,
650,800,
900,990,
9000E,
9061,
PU9200...
Code CK2



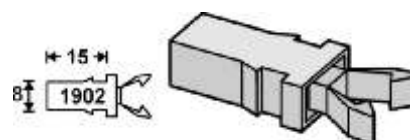
BSR TURNTABLE IDLER TYRE

Jockey wheels to
suit most Rim Drive
type turntables.
40 mm outside diameter.
Suit 4mm spindle only.
Code TT10



DOOR LOCKS

Push closed & it is locked, push again and it releases the door
catch. As used in portable CD players.
Code DL1902



ELECTRONIC GOVERNOR MOTOR

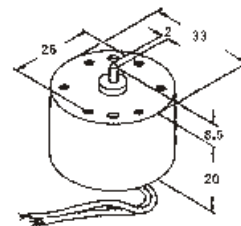
General purpose replacement motors designed for audio drive equipment. Truly universal motors whose features include universal mounting, easy speed adjustment via a preset potentiometer accessible through the bottom, lower wow and flutter, longer life, less vibration plus a standard spindle diameter allowing you to use the original pulley. Simply fit motor and adjust for correct speed. Simple, convenient, quick and reliable.

These motors use solid state speed control. DO NOT reverse the input voltage polarity as damage to the electronic regulator will result and therefore, not be covered under warranty.

The EG510ED series has been superseded by the smaller EG500AD & EG530AD series. The specifications are identical for all 'EG' motors.

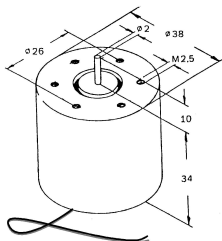
SANKYO MOTOR

Mechanical Governor
 Clockwise 13.2 Volt
 Negative Chassis.
 CODE DFC2R



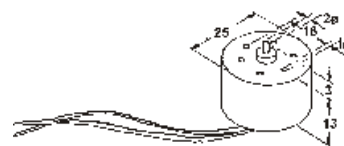
MABUCHI EG510ED SERIES

Code V/Dir
 510ED6F 6V CW
 510ED6B 6V CCW NLA
 Use 500AD6B
 510ED9F 9V CW NLA
 Use 530AD9F
 510ED9B 9V CCW
 510ED2F 12V CW NLA
 Use 500AD2F
 510ED2B 12V CCW NLA
 Use 500AD2B



MABUCHI MINI MOTOR

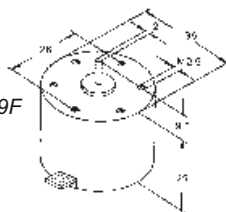
Original part No. RF-300C-14270
 Used in walkman and other applications
 where a small motor is required.
 Uni-Directional.
 1.3 to 2.1 Volts.
 CODE WM300



MABUCHI EG500AD SERIES

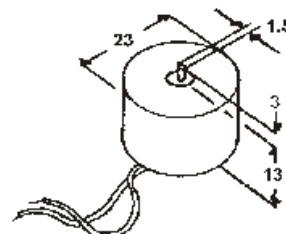
Code V/Dir
 500AD6F 6V CW
 500AD6B 6V CCW
 500AD9F 9V CW
 500AD9B 9V CCW
 500AD2F 12V CW
 500AD2B 12V CCW

Use 530AD9F



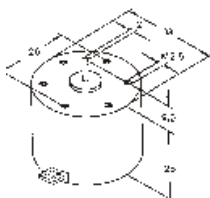
MATSUSHITA MINI MOTOR

Part No. HDN-4A3LD
 Used in walkman and other
 applications where a 1.7V
 small motor is required.
 Uni-Directional.
 CODE WM350



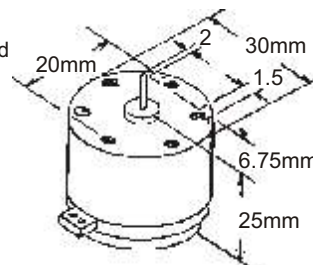
MABUCHI EG530AD SERIES

Code V/Dir
 530AD9F 9V CW
 530AD9B 9V CCW
 530AD2F 12V CW
 530AD2B 12V CCW NLA
 Use 500AD2B



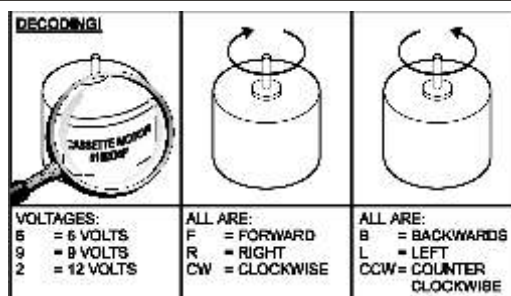
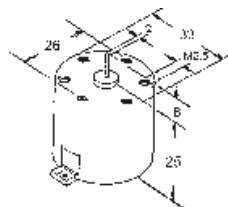
CAR DECK MOTOR

Replacement motor designed
 to suit car audio units.
 Counter Clock Wise (Left)
 13V DC Electronic governor
 Default Speed 2400 RPM
 (Adjustable)
 Code EG520ED3B



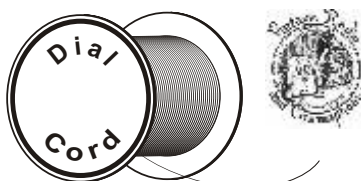
MATSUSHITA MMI-6S SERIES

Code V/Dir
 6S6R 6V CW
 6S6L 6V CCW
 6S9R 9V CW
 6S9L 9V CCW
 6S2R 12V CW
 6S2L 12V CCW



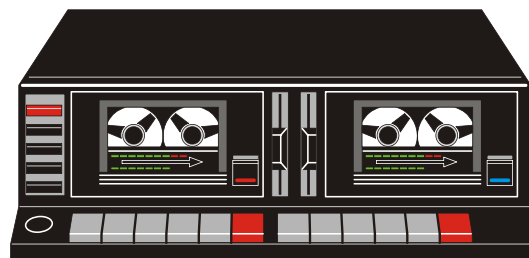
DIAL CORD

100 Meter reel of 0.5mm
 white woven nylon cord.
 Suit dial cord repair of
 old radios, etc.
 Code K665
 100M



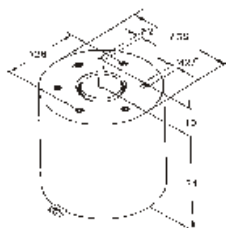
DUAL SPEED ELECTRONIC MOTORS

The following motors are widely used in dual deck units with high speed dubbing. More specific circuits for each motor is not available as they will vary from unit to unit. The information that is available we have supplied below for reference only and may vary slightly from the unit you are working on. Substitution is for the keen experimenter only! Unfortunately the manufacturer does not supply any resistor values for the circuits below. **NOTE! Motors are stamped on the base with their pin connections, this may vary to what is indicated below. All our motors have been tested and the diagrams below are correct. The recommended course of action is to rewire up the new motor identically to the replaced motor, pin for pin.**



510KD SERIES 1600/3200 RPM

Code V/Dir
 510KD9F 9V CW
 510KD9B 9V CCW

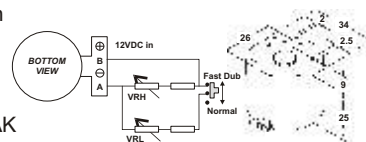


DUAL SPEED DUBBING MOTOR

Used in mechanisms with two motors. Standard spindle length.

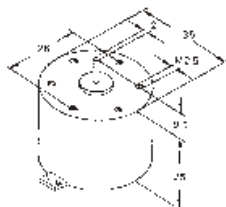
The motor label shown here is correct.

Part No MMI-6S2LWAK
 Voltage 12V
 Rotation CCW (L)
 Code 6S2LWAK



500KD SERIES 1600/3200 RPM

Code V/Dir
 500KD9B 9V CCW
 530KD2B 12V CCW

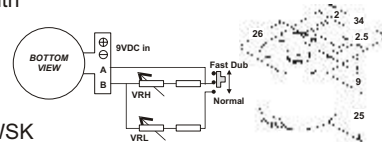


DUAL SPEED DUBBING MOTOR

Used in mechanisms with one motor. Longer spindle length for two belt pulleys.

The circuit is for a general guide only.

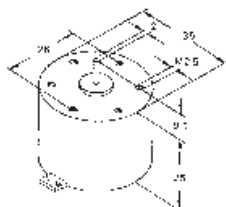
Part No MMI-6H9LWSK
 Voltage 9V
 Rotation CCW (L)
 Code 6H9LWSK



500YD SERIES 2000/4000 RPM

Code V/Dir
 500YD9B 9V CCW

See SHU series below.

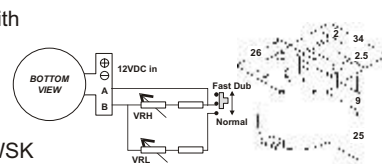


DUAL SPEED DUBBING MOTOR

Used in mechanisms with one motor. Longer spindle length for two belt pulleys.

The circuit is for a general guide only.

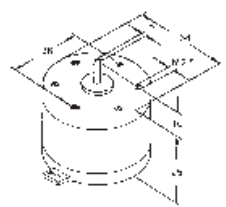
Part No MMI-6H2LWSK
 Voltage 12V
 Rotation CCW (L)
 Code 6H2LWSK



SHU SERIES DUAL SPEED

Sanyo cassette motors.

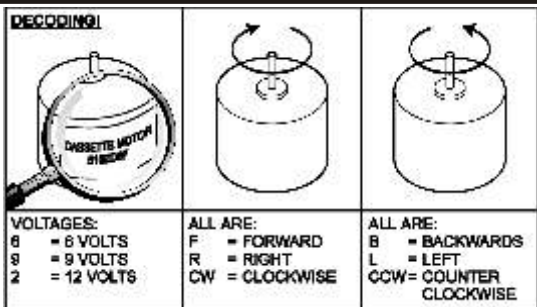
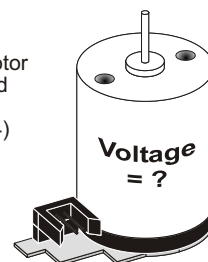
Code V/Dir
 SHU9L 9V CCW
 SHU2L 12V CCW
 SHU2R 12V CW
 SHW2L USE SHU2L



SPECIALISED MOTORS

Some audio equipment may require a motor not found here. VCR "loading" motors and the like are also general purpose and substitutable in some audio units. (See 04) Unfortunately though, we don't have that information on the VCR specifications. So, if you discover a video motor that's suitable for a multi-CD player or something not VCR, please let us know so we can enter it in here and our data base.

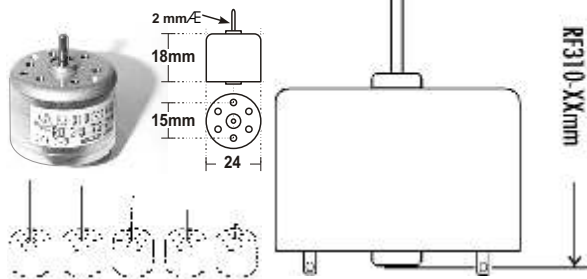
Thank You.



CD MOTORS - RF310 & RF320 (15mm Mount)

The following range of motors will suit most CD replacement applications Tracking, loading or disk drive. The important criteria is the mounting dimensions and spindle length.

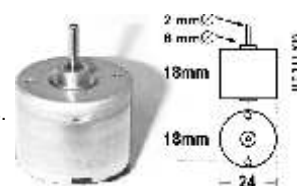
Spindle	Code
27mm	RF310-27
29mm	RF320-29
30mm	RF310-30
38mm	RF310-38
43mm	RF310-43



CD MOTOR - BRASS COLLAR (18mm Mount)

Raised brass collar as used in many brands of CD players. eg. Akai, Teac, Sharp, etc... Will substitute most spindle and tracking motors with the same mounting hole dimensions.

Spindle	36mm
Code	MTR1836

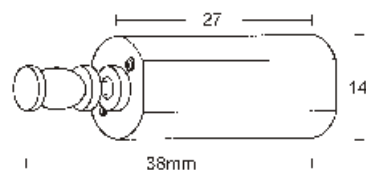


CD SLED DRIVE MOTOR

Suit	Sharp and other brands.
Orig.	RMOTV0334AF00
Code	NAA3B

BELT TO SUIT

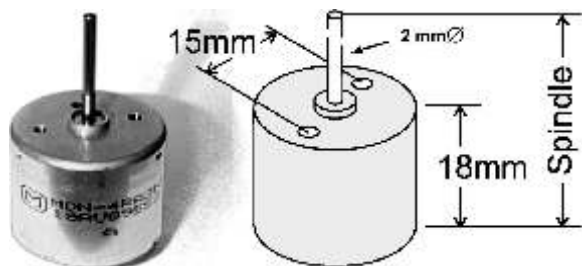
NBLTH0117AF22	
18x.5x3 APPROX	
Code	BLT117



CD MOTORS - MDN4RA (15mm Mount)

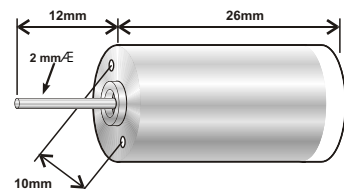
The following range of motors will suit most CD replacement applications. Tracking, loading or disk drive. The important criteria is the mounting dimensions and spindle length.

Spindle	Code
30mm	MDN4RA-30
42mm	MDN4RA-42



CD TRACKING MOTOR

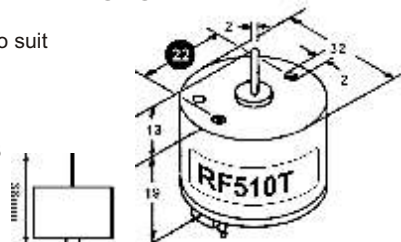
Suit	AKAI
	CDA405
	+Other models
	+Other brands
Orig.	BM371552
Code	MTR1552



MULTI-DISC PLAYER MOTOR

Replacement motor to suit Pioneer PDM series. Loading motor and disc select motor.

Orig.	PYY1025
Code	RF510-38



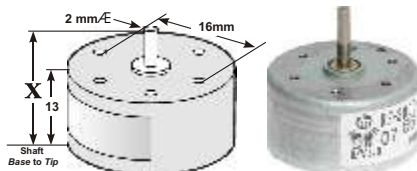
CD MOTOR RF300 (16mm MOUNT)

Popular general replacement.

21mm Shaft
RF300-21

23mm Shaft
RF300-23

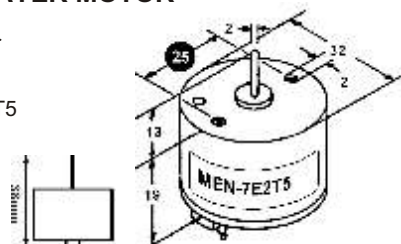
28mm Shaft
MDN3ST3



MULTI-DISC PLAYER MOTOR

Loading motor and/or disc select motor. 12VDC Matsushita.

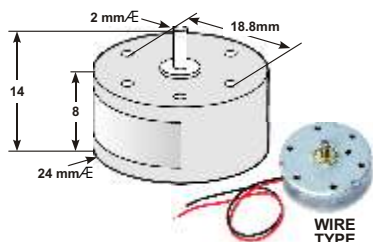
Code	MEN7E2T5
------	----------



PANASONIC TRACKING MOTOR

MDN1XL3PDAS	
RXQ 70A7	
WIRE VERSION	
Code	MDN1XL3

SPINDLE MOTOR
MDN3 ST3 HSBS
RXQ 0745B
See MDN3ST3 Above



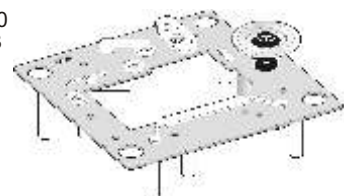
SONY CD MOTOR - SUPPLIED WITH MECH'

Spindle drive motor attached to frame.

P/No.	RF310T11400
	X-4917-523-3

Suit	CDP190,
	C500/M,
	BU5BD3A,
	etc.

Code	MEC5233
------	---------



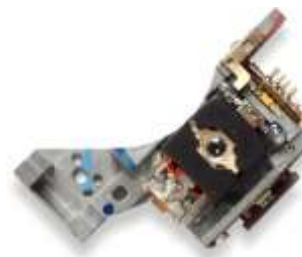
LASER ASSEMBLIES

Pickups to suit Sony units and many other brands. The items we stock are listed below. If you require a part not listed, Please enquire as this range will continue to expand...
 If you just installed a new laser and it does not function *Don't Panic!* - Check for the "Anti-Static Solder Blob"! For more information, please consult the units service manual.
Pioneer Lasers are NOT pre-aligned!
 Please consult the units service manual.



JVC LASER

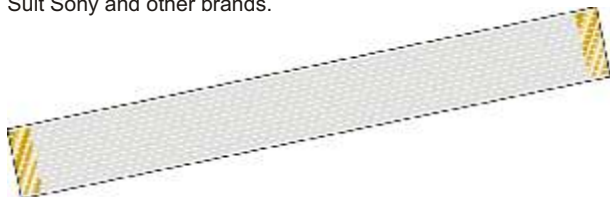
Suit Portable &
 Car CD Player
 Code OPTIMA720



MEMBRANE CONNECTORS

FLAT WIRE LOOMS

Suit Sony and other brands.



Code	Pins	Size	P/No.
FWL111	12	110x13mm	1-575-001-11
FWL578	Relay Board		A-4910-578-A
FWL12100	12	100x13mm	KSS240A Type
FWL1667	16	67x17mm	KSS213 Type
FWL16110	16	110x17mm	KSS213 Type
FWL16150	16	150x17mm	Longer version
FWL4911	5	120x7.5mm	1-590-849-11
FWL6165	6	165x9mm	1-751-052-11
FWL15200	15	200x20mm	Philips, etc.
FWL5210	5	210x7.5mm	Aiwa carousel, etc.

JVC LASER

Code OPTIMA725



LG GOLDSTAR LASERS

6716 DPH 005 A

Code PVR502W-L

6716 DPH 005B

Code PVR502W-S



HITACHI LASER & MECH

MECHANISM COMPLETE

8 Red + 7 White
 Code HOPM3A-MECH

LASER ONLY

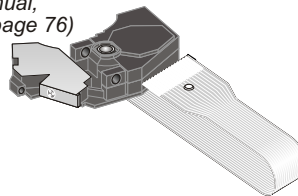
Code HOPM3A



PIONEER PWY1009 LASER

Note: Requires GRATING alignment.
 See your Pioneer service manual,
 or our MAN-CD CD manual (page 76)

Code PWY1009



HITACHI DENON DVD LASER

Suit DVD-900
 DVD-1000
 DVD-F100

EARLY SERIES

Code HOP1000

LATE SERIES

Code HOP1120



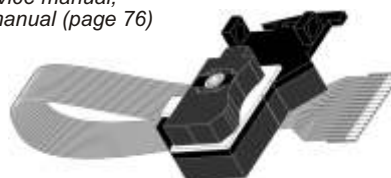
PIONEER PEA1030 PEA1179

Note: Requires GRATING alignment.
 See your Pioneer service manual,
 or our MAN-CD CD manual (page 76)

Code PEA1030

PIONEER LASER

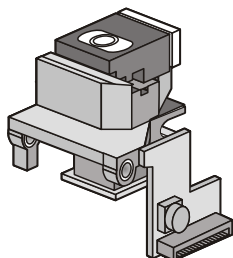
Code PEA1179



JVC LASER

Code OPTIMA150S

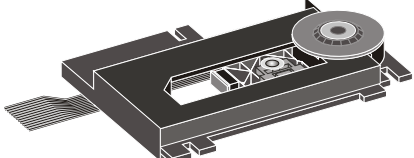
P/No. OPTIMA6S
 Use OPTIMA150S



PIONEER PEA1291 LASER

Suit PDM426
 Code PEA1291



PIONEER PEA1335 LASER Code PEA1335 	PANASONIC SODD110Z LASER TRAVERSE DECK Complete assembly. 16 Pin Connector. Code SODD110Z 
PANASONIC RAE0113Z LASER 16 Pin Connector. Suit RX-DS550 SL-DH66 SL-PD687 etc. LASER & MECHANISM Code RAE0113Z 	PANASONIC JVC DVD LASER P/No. VMK0430 149K16V EGM-VED0378 DCDA300,350 DVP1000 DVP1500 DVP2000 Pins 16 Code VED0378 
PANASONIC RAE0133Z LASER Suit SL-XP160 SL-XP170 SL-XP250 SL-XP290 LASER & MECHANISM Code RAE0133Z 	PANASONIC DVD LASER Suit DVD-RV20 Code VED0402-1 
PANASONIC RAE0152Z LASER TRAVERSE DECK Complete assembly. 16 Pin Connector. Code RAE0150Z or: Code RAE0152Z 	PHILIPS MARANTZ & NAD CDM12.3 4822 691 30359 Code CDM123 
PANASONIC RAF LASER COMMON TO JVC TOO Metal trolley version. Orig. RAF3020-A1 JVC QAL0279-001 Code RAF3020-A1 	PHILIPS DVD VAL6011-01 24H9XJA 31042921990 3140001 45H9XJA DVD711, 732. Code VAL6011 
PANASONIC RAF LASER Orig. RAF3022-A1 Code RAF3022-A1 	PHILIPS MARANTZ & NAD VAM1201 482269110615 Code VAM1201 VAM1202/02 930502220202 Code VAM1202 

PHILIPS MARANTZ VAM2201

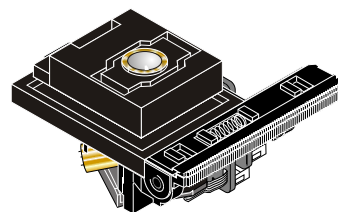
VAM2201/07

Complete with motors
 and laser assembly.
 Laser SP-2 94VO
 Code VAM2201



SAMSUNG SOH-AP LASER

16 Pin Ribbon.
 Code SOH-AP



PHILIPS CD MECH

Complete assembly
 & mechanism.
 Code CDM124



SAMSUNG SOH-D2A

P/No. SOH-D2A
 AJ97-00014A
 Code SOHD2A



PHILIPS CAR LOADER AND MECH

4822 6913 0275
 3104 1470 1121
 3104 1087 8193
 E64138, 1AH04.
 Complete with
 Laser, etc.
 14 pin ribbon.
 Code CDM9/44



SAMSUNG SOH-DP1U

AH30-00010A
 AH30-20001B
 AH30-220001B
 AH3020001B
 SOH-DP1U
 Code SOH-DP1



SAMSUNG SOAD70A LASER

P/No. SOAD70a
 Plug 17 pin
 Suit SLP150, 170, 333,
 SLP555, 777, 999,
 SLA10, SLC10, SLD346,
 SLJ26, SLS900, etc.,
 HarmanKardon TL8500
 Inc. Upgrade Mod'
 Code SOAD70A



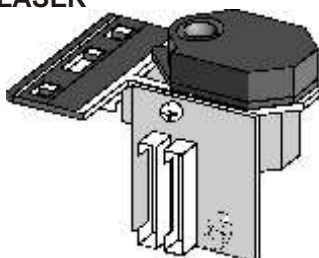
SAMSUNG SOH-DS2

AH97-00900A
 Code SOH-DS2



SAMSUNG SOH-90 LASER

Code SOH90T4N



SAMSUNG SOH-DSS-A

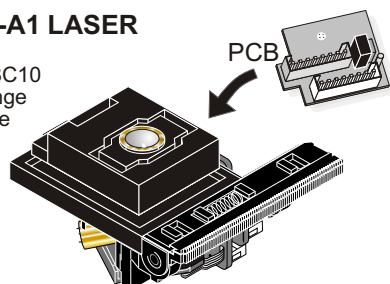
AK97-00166A
 Orig. SOH-DSS-A
 Eq. SOH-DSS
 Code SOH-DSSA



"B" Version Available

SAMSUNG SOH-A1 LASER

P/No. SOH-A1-8C10
 Plug 1 8 pin Orange
 Plug 2 8 pin White
 Code SOH-A1



SAMSUNG SOH-DSS-B

AK97-00166B
 Code SOH-DSSB



DSS & DSSA Version Available

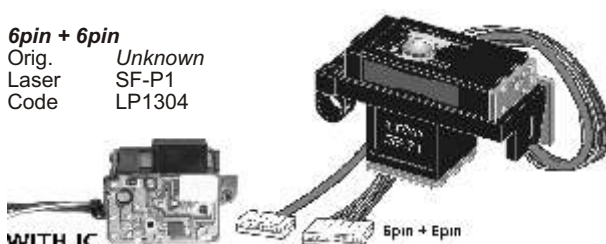
SAMSUNG SOH-DV1

AH30-00008A
 Code SOH-DV1



SANYO SF-P1 LASER

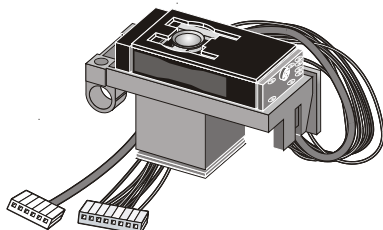
6pin + 6pin
 Orig. Unknown
 Laser SF-P1
 Code LP1304



SANYO SF-90 LASER

8pin + 6pin plugs.
 Laser SF90
 Code LP7906

614 227 9069
 Laser SF90
 Code LP9069



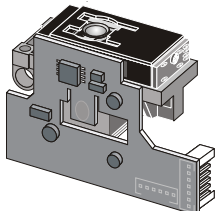
SANYO SF-P100 MECHANISM

645 005 6444
 13 Pin connector
 small membrane type.
 Includes laser,
 Motors, etc.
 Laser SF-P100
 Code MEC6444



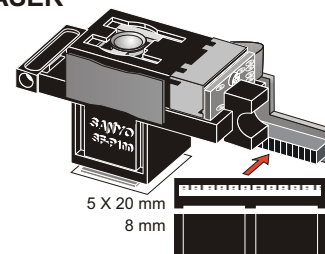
SANYO SF-91

6pin + 5pin plugs.
 Laser SF91
LASER ONLY
 Code LP5967



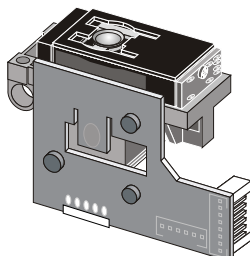
SANYO SF-P100 LASER

Part No. Unknown
 13 Pin connector
 Large membrane type.
 Laser only
 Laser SF-P100
 Code LP6870



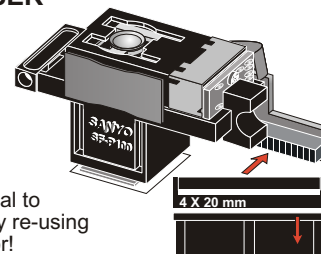
SANYO SF-91 LASER

8 pin + 5 pin plugs.
 645-005-5966
 M0773463 K
 Laser SF91
 Code LP5966



SANYO SF-P100 LASER

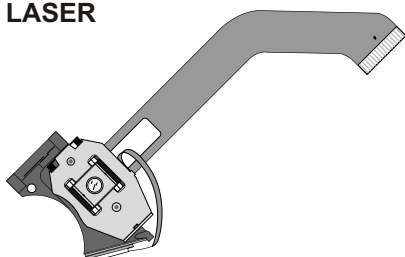
645 006 7983
 13 Pin connector
 Push-lock type.
 Code LP7983



Save Money !
 This LP7983 laser is identical to
 the LP6444. Save money by re-using
 the original ribbon connector!

SANYO SF-92.5 LASER

Laser SF-92.5
 Single 16 pin
 ribbon harness.
 Code LP9965



SANYO SF-P100 LASER

16 Pin connector
 "Small Socket" type
 Membrane connect.
 Laser only
 Laser SF-P100
 Code LP7984



SANYO SF-P1 LASER

13 pin ribbon
 Orig. 614 239 1303
 Laser SF-P1
 Code LP1303

2x 6pin
 Available
 See next block



SANYO SF-P100 LASER

620 022 12609
 18 Pin connector
 Laser SF-P100
 Code LP2609



SANYO SF-P101 MECHANISM

Laser SF-P101

15 PIN CONNECTOR
 Code MEC101-15

16 PIN CONNECTOR
 Code MEC101-16



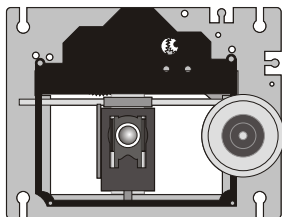
SHARP LASER

RCTRF8148AFZZ
 KCP-1H
 HB148AF
 16 Pin
 Code LP8148



SANYO SF-P101 LASER

8 pin + 5 pin plugs.
 Laser SF-P101
 Code MEC10185



SHARP LASER

92LHPC1LASV
 HPC-1L
 5 Pin &
 8 Pin
 Code HPC-1L



SHARP LASER

P/No. LHPC1MX
 Pins 7 + 8 wht.
 Code LHPC1MX



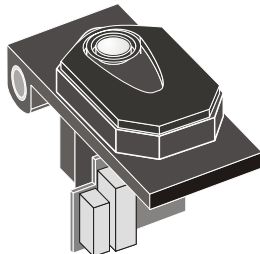
SHARP LASER

92LHPC1LXASY
 HPC-1LX
 7 Pin &
 8 Pin
 Code HPC-1LX



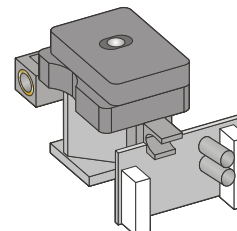
SHARP LASER

RCTR H8136AF ZZ
 116 617 0001
 Suit CMS-R500CDX
 Code LP8136



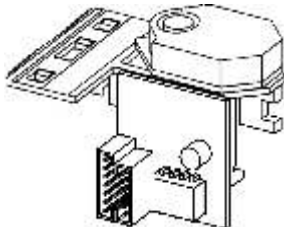
SHARP MITSUBISHI LASER TAOHS

Suits NAD, Sharp & others.
 Sharp CD DX GFCD QTCD etc.
 Substitutes other lasers.
 P/No. TAOHS-JP1
 TAOHS-KP1
 Eq. 125-617-0007
 RCTRH-8112-AFZZ
 Code LP-KP1



SHARP AIWA DENON LASER

SHARP
 RCTRH8147AFZZ
AIWA DENON
 HPC-1C
 Code LP8147



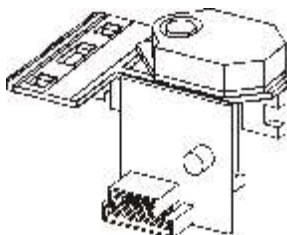
SONY BU-31 LASER

A-4722-425-A
 Code BU31



SHARP LASER

RCTRH8151AFZZ
 Code LP8151



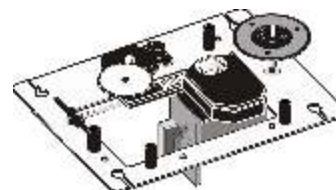
SONY KSM210-1 LASER

Motors, gears, pickup, all complete.

Code KSM210-1AAM

Code KSM210-1ADM

Code KSM210-1BAM

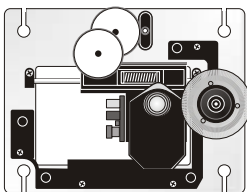


SONY KSM150B & KSM210B

Motors, gears, pickup, all complete.

Orig. KSM-210-BBM
 Code KSM210B

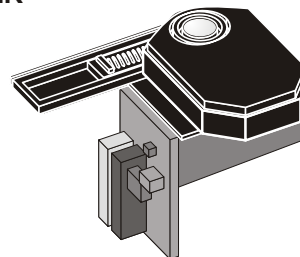
Orig. KSM-150-BBM
 Code KSM150B



SONY KSS212 LASER

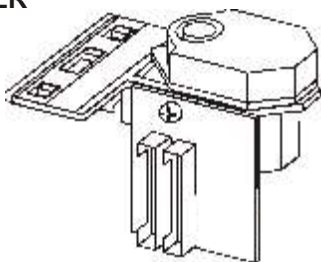
8 pin Red socket
 8 pin white socket
 Code KSS212A

Code KSS212B



SONY KSS150 LASER

Code KSS150A

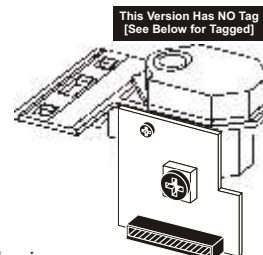


SONY KSS213 LASERS

16 pin connector for
 membrane type cable.
 Colour may be black,
 white, cream, etc.

Code KSS213A
 Code KSS213B
 Code KSS213C
 Code KSS213E
 Code KSS213V

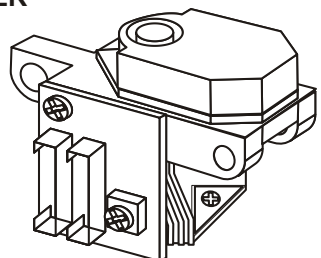
Other Versions Available - See following...



SONY KSS152 LASER

Unavailable
 Substitute supplied
 From Toshiba

Orig. KSS-152-ARP
 Code TOPH7833



SONY KSS213 LASERS

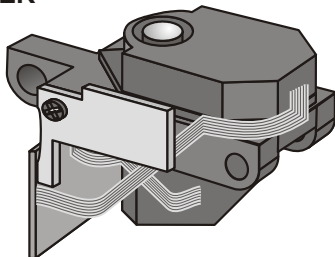
16 pin connector for
 membrane type cable.
 As A/B/C/E but with a
 bracket on laser head.
 Code KSS213D
 Code KSS213F

Other Versions Available - See above...



SONY KSS153 LASER

White plug 8 pin
 & Red plug 8 pin
 18194 671
 Code KSS153A

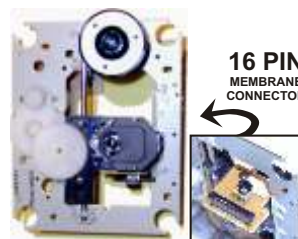


SONY KSM213-CCM MECHANISM

Suit AC720, EF20,
 P/No. 21871SE455
 Code KSM213CCM

LASER ONLY
 Code KSS213C

NOTE: ECM Version below.



SONY KSS168 LASER

Pins 13+4
 Code KSS168A



SONY KSM213-ECM MECHANISM

Suit HCDGRX40
 MHCXRDX3
 P/No. A-3328-816-A
 Code KSM213ECM

LASER ONLY
 Code KSS213E

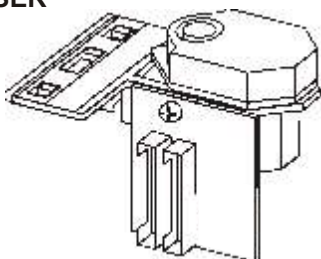
NOTE: ECC Version above.



SONY KSS210A LASER

TYPE A standard
 Orig. KSS-210-ARP
 Code KSS210A

TYPE B High gain
 Orig. KSS-210-BRP
 Code KSS210B

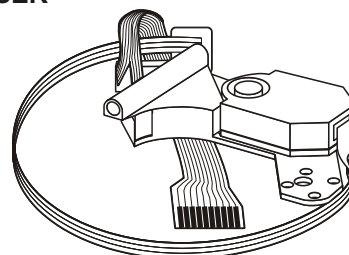


SONY KSS220 LASER

Will substitute for some
 other P/No's. (Not "B")

Orig. KSS220A
 Or KSS160A
 KSS162A
 Code KSS220A

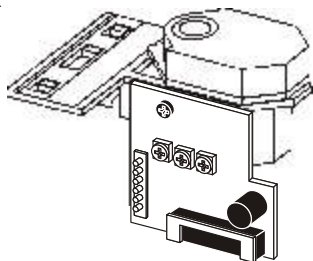
Code KSS261A



SONY KSS240 LASER

Suit modern Sony units
and many others.

Orig. Code KSS-240-ARP
KSS240A



SONY KSM360A LASER

P/No. KSM360AAM
KSM360ABM
KSM360ADM
KSS360ARP
18 Pin 12.5mm Connector.
See Note Below!
Code KSS360A



NOTE: See FWL578 Lead Adaptor Below!

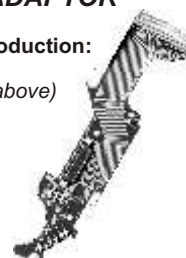
SONY KSS313 LASER

Pins 17
Code KSS313A



SONY KSS360A - 24mm LEAD ADAPTOR

Two KSS360A versions were used in production:
 8-848-246-11 24mm Connector (N/A)
 8-848-246-22 12.5mm Connector (See above)
 If your unit requires the 24mm version,
 which is no longer available, then you
 must also replace the "Translation-Board"
 A-4910-578-A which will adapt the newer
 KSS360A 12.5mm connector to that unit.
 Code FWL578



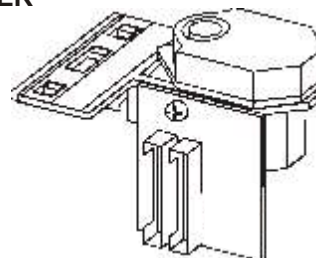
SONY KSS330 LASER

Code KSS330A



SONY KSS480 LASER

Code KSS480A



SONY KSS331 LASER

Suit Sony Walkmans, etc.
Code KSS331A

18 Pin Connector
P/No 1486A, SC350
Code KSS331C



SONY KSS520 & KSS540

Low profile type.
Code KSS540A

P/No. 8848 4020 2
NEW 8848 4020 8
Suit CDX2100A
Code KSS520A



SONY KSS333 LASER

Suit Sony Walkmans.

Code KSS333A



SONY KSS542 LASER

15 Pin Connector.
P/No 25394
SB213
Code KSS542A



SONY KSM360A-BM/DM MECHANISM

With Standard Motor
29 Pin Connector.
Code KSM360ADM

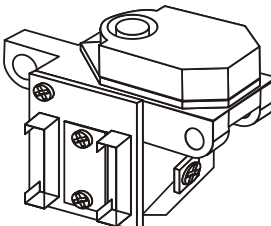
Direct Drive
DC Brushless motor.
26 Pin Connector.
Code KSM360ABM



SONY KSS580 LASER

Code KSS580A



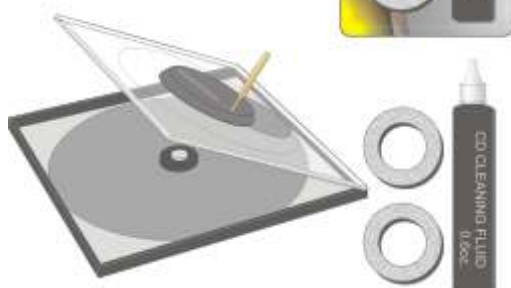
SONY KSS710 LASER Suit CD Stackers Magnavox Onwa CDC Code KSS710A 	SONY DVD LASER Code KHM310AAA 
SONY KSS720 LASER Code KSS720A 	SONY MINI-DISK LASER Personal Player Type 7 pin connector. P/No. X-4946-311-1 DAX-01 DAX-11 Code LP3111 
SONY DVD LASER 882008103 882008109 A6062397A KHM220JIRP1 Suit DVPS530D, etc. LASER & MECHANISM Code KHM220AAA LASER ONLY Code LP220AAA 	SONY MINI-DISK LASER P/No. X4952-506-1 DAX-23E Suit D-EJ715 Code LP5061 
SONY DVD LASER Code KHM230AAA 	SONY MINI-DISK MECHANISM P/No. A4672541A Full mechanism with lasers & motors, etc. Code KMS260B 
SONY DVD LASER 882014504 A6062706 Code KHM250AAA 	TOSHIBA LASER Suit some Toshiba. Code TOPH7833 
SONY DVD LASER KHM270AAA A6062709A DVPNS415 Code KHM270AAA 	YAMAHA CD LASER JP3 Laser is NLA. This LP-JP3 is a substitute laser, supplied with a Yamaha Modification Instruction Sheet. Code LP-JP3 

RADIAL CD & DVD CLEANING KIT

Non-scratch replaceable chamois.
 Simply insert CD & rotate!
 Code HL629

REPLACEMENT PARTS

Includes cleaning fluid and pads.
 Code HL618



ADVANCED CLEANING CLOTH

Special material cloth for cleaning opticals like camera and laser lenses, glasses, etc. Also suitable for non-abrasive cleaning of plastics like CDs, DVDs, Screens, etc. No lint. No residue.

Size 150x150mm
 Code CLN1515



MADE IN JAPAN

CD & DVD DISC SURFACE REPAIRER

HAND OPERATED CLEANING DEVICE

Insert scratched disc, Apply the special fluid Close and turn the handle! Repairs general light duty scratches that may hinder correct playing of both DVDs, CDs and software too. Two types of cylinder rollers one for surface repair and another for general cleaning.

Code PC7091



REPLACEMENT PARTS

One of each roller
 Plus Cleaning fluid
 Code RP7091R



1 Action CLEANER CD/DVD

CD & DVD LENS CLEANER

Will clean a CD laser lens without having to dismantle the player. This unique disc has narration and music. Simply insert the disc, press play and a voice will guide you through the process! Although primarily a CD, this will clean DVD players (single laser).
 Code HL605



Cleaner Products Please

See Section Fourteen



CD & DVD SCRATCH AWAY

Last resort CD rescue solution. Do not use as a general cleaner! Abrasive system for removing optically distorting scratches. Excellent solution for resurrecting useless CDs, VCDs & DVDs from the dead. Two bottle system. Restores 40 CDs. Made in Australia by MicroChem.
 Code MC1004



DVD TEST DISK GERMAN

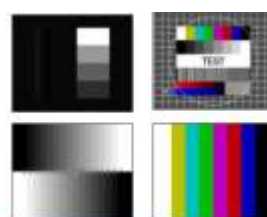
PAL DVD-5 (Region 5).
Die referenz DVD für!

This DVD is premium quality, test patterns in 4:3 & 16:9, suit final optimisation of DVD playback in our PAL.

An absolute definitive reference DVD test disk.

Dolby Digital 5.1 audio.
 German instruction manual.

Code DVD-REFG



COMPACT DISC PLAYER SERVICING

A comprehensive 200 page manual.
 Covers Principles, Error correction,
 Laser assemblies, Servo, Signal
 Processing, Adjustments, Q & A,
 Troubleshooting and much more.
 Learn to fine tune a modern CD
 player and repair common faults.
 Full of diagrams, CRO Pictures,
 Schematics, Flow Charts, etc.
 Excellent references for the
 technical person with glossary
 and repair hints for the novice.
 Self assessment exercises for
 assistance in training.
 Written in Australia for
 Australian technicians,
 and published with the
 knowledge and resources
 of EFIL.

Code MANCD



TECHNICS TEST DISK

This test disc is unique in that it has measured "scratches" for
 assessing a player's ability to track poor quality compact discs.
 No guessing.

Track 1 1KHz reference
 Track 2 L+R 0 dB
 3-8 Interruption in information layer
 From 0.4mm to 0.9mm
 9-15 Black Dot at read out side tests
 From 0.3mm to 0.9mm
 Orig. SZZP1054C
 Code CDT016



NOISE TEST CD

This CD is made in Germany and is DDD. With instructions.
 72 min, 96 tracks, including 40 Tracks of different frequencies
 from 10Hz to 20KHz, Sweep signals, Separation, Stepped dB
 (1K & 60Hz), Wow & Flutter (3000 & 3150KHz),
 Dolby reference (400Hz), 440/438/445Hz to test music tuners,
 White & Pink Noise, Phase test, Emphasis, Pre-emphasis,
 Square signal, Dynamic burst, etc. Professional for the
 technician, priced for the home stereo system.
 A thorough and versatile test disk.

Code CDTEST2

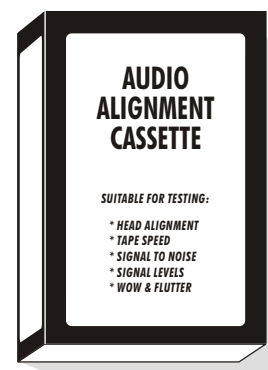


AUSTRALIAN MADE TEST CASSETTE

The AAC9 has been produced to assist both the hi-fi enthusiast
 and the tradesman. It offers a range of tests to determine and
 correct faults in cassette decks. These tests can be performed
 without technical knowledge or costly test equipment. For the
 tradesman this tape can be used for fault diagnosis so as not
 to risk damage to proper alignment and test cassettes.

Minutes	Contents
1-6	1KHz sine wave
6-12	5KHz sine wave
12-18	2K5Hz sine wave suppressed for 10 seconds every 50 seconds
18-24	0.2 second beep every 10 seconds

Code AAC9



TRACK & FOCUS OFFSET/GAIN ADJUST

This CD is made in Germany and is DDD. With instructions.
 78 min, 45 tracks, of 1KHz 0dB Sine wave with intentional
 errors to test and align a CD players error tracking & gain.
 Error Area in Information Layer 0.2mm to 3mm in 0.1mm steps
 Black line on readout side 0.2mm to 3mm in 0.1mm steps.
 Save time and effort in CD laser assesment and adjustment.
 Instruction booklet gives you detailed explanations with
 diagrams and helpful references to assist you in making
 the most from this handy test device.

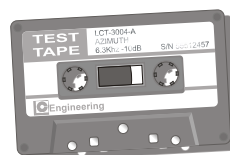
Code LASERCD



MASTER COPY TEST CASSETTES

These LC Engineering premium test cassettes are the best
 available. Each tape is a *MASTER* not a duplicate. So each
 tape is individually produced and tested under a most severe
 quality control procedure. Test with the industry standard!
 IEC Prague. Engineering standard. Two types available.
 A) 3KHz (-10dB) for testing wow&flutter of cassette mechanisms.
 Diagnoses spindle wobble, take-up slack, etc.
 B) 10KHz (-10dB) Quick, accurate tape head angle adjustment.
 Diagnose worn heads, adjust for correct azimuth.

Code	Measure	Time Constant	F	Level	Standard
LCT3001	Wow/Flutr	3180μ/120μS	3KHz	250nwb/M-10db	MMT111
LCT3004C	Azimuth	3180μ/120μS	10KHz	200nwb/M-10db	MMT114



RECORDABLE MINI DISC

For Recording & Playback
 TDK. Made In Japan.
 With Hard Cover Pouch
 Time 74 min
 TDK MD-XG74



AUDIO CASSETTE TAPES

Available individually
 or in boxes of 10 pieces.
NORMAL - TDK BRILLIANT
 Time Code
 60min TDK-B60
 90min TDK-B90
NORMAL - TDK DYNAMIC
 60min TDK-D60
 90min TDK-D90
 120min TDK-D120



TDK "MUSIC" CD-R & CD-RW

"For Consumer" CD-R disks.
 80min CDR900

AUDIO-PRO CD-R X-tra Accurate
 Reference Grade. Purest possible.
 74min CDR105

ReWritable CD-RW
 Perfection, a Thousand times!
 80min CDRW900



ANSWERING MACHINE - ENDLESS TAPE

PANASONIC 30 SEC.
 Endless looped tape.
 Original Panasonic.
 As used in Standard
 tape sized answering
 machines. 30 second
 outgoing message.
 Orig. PQJN1EO3A5ZA
 Code KX-C030



CD-R & CD-RW

CDR/CDRW JEWEL CASED SINGLES

Product	Brand	Code
CDR Standard S1	SONY	CDR102
CDR Gold	TDK	CDR100
CDR White	TDK	CDR101
CDR Music CDR	TDK	CDR900
CDRW Standard	TDK	CDRW100
CDRW 1-12x Speed	TDK	CDRW101
CDRW Rewritable	Verbatim	CDRW102
CDRW Music CDRW	TDK	CDRW900



MICROCASSETTES

As used in Dictation &
 answer machines, etc.
 Made by TDK.
 30min SP each side.
 Each in a plastic
 protective case.
**ORDER ONE TO
 RECEIVE THREE**
 Pack MC60X3
 for 3



CD-R BULK

Product	Brand	Code
CDR Blue Spindle x25	Philips	CDR502
CDR Green Spindle x25	Philips	CDR503
CDR Gold Spindle x25	Philips	CDR504
CDR Gold Jewel x10	TDK	CDR300
CDR Gold Spindle x50	TDK	CDR500
CDR Printable Label x50	NoName	CDR501



8cm 10x JEWEL CASED MINI-CD
 Mini CDR x10 TDK CDR400

DAT - DIGITAL AUDIO TAPE

High Performance Digital
 Recording. Made in Japan.
TIME CODE
 60m DA-RXG60
 90m DA-RXG90
 120m DA-RXG120



DAT HEAD CLEANER
 Code DAT-HC05

DVD±R/RW BLANK MEDIA



DVD MINUS	Brand	Code	QTY
Mini DVD-R	TDK	DVD102	1
Mini DVD-RW	TDK	DVD103	1
DVD-R Standard	TDK	DVD104	1
DVD-RW Rewritable	TDK	DVD105	1
DVD-R Slim Cased	TDK	DVD501	10
DVD-R 1-16x Spindle	TDK	DVD503	10
DVD-R Spindle	TDK	DVD506	50
DVD-R Printable	NoName	DVD700	50
DVD-RW Rewritable	TDK	DVD505	5
DVD PLUS			
DVD+R Standard	TDK	DVD304	1
DVD+R Standard	Verbatim	DVD302	1
DVD+RW Rewritable	TDK	DVD305	1
DVD+RW Rewritable	Verbatim	DVD303	1
DVD+R Slim Cased	TDK	DVD701	10
DVD+R 1-16x Spindle	TDK	DVD703	10
DVD+R Spindle	TDK	DVD706	50
DVD+RW Rewritable	TDK	DVD705	5
DVD DUAL LAYER			
DVD+R Dual-Layer	Verbatim	DVD400	1
DVD RAM DISCS SINGLES			
DVD Ram 9.4G	TDK	DVD401	1
DVD Ram 120 Min	TDK	DVD402	1
DVD Ram 240 Min	TDK	DVD403	1

HEAD & CAPSTAN CLEANER

Non-abrasive
 cloth tape
 with cleaning
 fluid.
 Code A112



TAPE HEAD & CAPSTAN CLEANER

Mechanical brush type.
 With spare felt pads
 & cleaning solution.
 Code A124

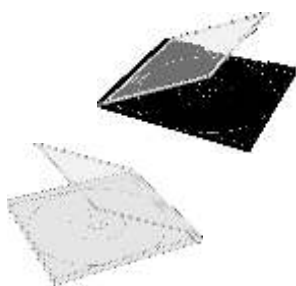


CD JEWEL CASE

COMMON JEWEL CASE
 Standard Plastic type.
 JWL1

HALF HEIGHT TYPE
 JWLC10 for 10

POLYCARBONATE CASE
 Special non-breakable type.
 MK31C

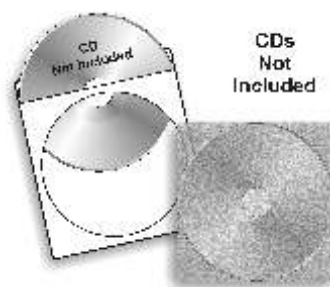


CD SLEEVES

PAPER ENVELOPE
 Code CDSPP100
 50pcs

PVC SLEEVE
 Code CDS100
 100pcs

DOUBLE SIDED
 Code CDS101
 100pcs



CD PLAYER CARRY CASE

Polyurethane Leather.
 Tough outer padding.
 Two zipped compartments.
 One for 12 CDs and their
 in-lays, the other the CD
 player with cable access.
 Shoulder strap, carry handle,
 belt clip or bum bag.
 Code CDP12B



CD / DVD & LAPTOP CASES SEE SECTION 16



12 CD & DVD STORAGE WALLET

6 sleeves, holds 12 CDs.
 New, soft feel black korvett
 microfibre cover that is
 durable & water resistant.
 Zipper & carry strap.
 Padded stiff protect inlay.
 Code CDW12B



Style may change.

MINI DISC CASE

Holds four MDs
 Elastic FPU
 leather wallet.
 Durable and
 water resistant.
 Belt strap.
Four MDB4
Eight MDB8



24 CD & DVD STORAGE WALLET

12 sleeves, holds 24 CDs.
 Tough & soft feel black
 synthetic leather with
 fish-net pocket & strap.
 Double sided, protective
 CD/DVD pocket inlays.
 Code CDW24B



Style may change.

MINI DISC RACK 20

Holds Twenty MDs
 Stackable design
 for locking as
 many racks together
 as you require!
 Black plastic.
 Code MDR20



48 CD & DVD STORAGE WALLET

12 sleeve, double height
 holds and protects 48 CDs.
 New, soft feel black korvett
 microfibre cover that is
 durable & water resistant.
 Zipper & carry strap.
 Padded stiff protect inlay.
 Code CDW48B



Style may change.

96 CD & DVD ALBUM

High quality and a
 durable deluxe build.
 Holds up to 96 CD or DVD
 in protective sleeves.
 Zips-up. Carry handle.
 Weather resistant, tough.
 Code CD96B



Style may change.

COMPACT DISC CASSETTE ADAPTOR

For connecting a
 portable Disc or
 Mini-Disc to your
 car tape deck.
 Code CA747



CAR POWER ADAPTOR
 3/4.5/6/7.5/9/12 Volts
 800mA Regulated Fused
 Code CA709



BOTH TOGETHER
 Packaged Kit.
 Code CA706





TURNTABLISTS

STEREO AUDIO TO OPTICAL/COAX

Analogue To Digital

Converts Stereo AUDIO IN to 16 bit PCM (Digital) output to Toslink Optical and RCA PCM connections. This digital audio stream is compatible with all of today's digital home-theatre amplifiers and receivers Power pack inc'. No leads.

Code ADV2000

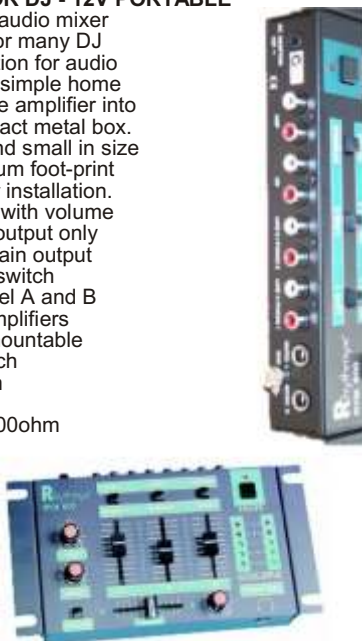


MINI-STEREO DJ MIXER

5 INPUT STEREO MULTIMEDIA MIXER DUB AUDIO FOR VIDEO OR DJ - 12V PORTABLE

This quality built mini sized audio mixer is comprehensive enough for many DJ applications. Excellent solution for audio dubbing in home movies or simple home studios. Turn a normal home amplifier into a Karaoke fun-for-all! Compact metal box. Low noise design. 12Vdc and small in size for portability and for minimum foot-print in a portable desk top mixer installation. 6.35mm headphone socket with volume Headphone monitors main output only Stereo LED VU meter for main output Microphone talk over mute switch Cross fader between channel A and B Hi gain output suits most amplifiers Desk standing or console mountable Stereo / mono selector switch 330(L) x 122(W) x 39(H)mm Includes 12Vdc plugpack
Output RCA Stereo 1.5V/600ohm
Microphone & Headphone
Phono (Ch1- Ch2)
CD/Line (Ch1- Ch3)

Code RYM600



PHONO INPUT PREAMP

RIAA EQ FOR AUX IN

Minature Active Add-On Phono pre-amplifier RIAA Stand alone 70x40x120mm Metal Box. Screw mounts. Magnetic cartridge in Line level output. Suit upgrading modern home theater receivers that dont offer an input for your beloved turntable! Very easy solution. All metal construction. Gold plated terminals. Quality OpAmp circuit. Low noise design. 12Vdc. With powerpack.

Code SP24A

Converts an AUXILIARY Input On new modern theatre amps to accept a turntable input. Powered RIAA Pre-Amp. Screw to the back of your Turntable. 240Vac powered.



PROFESSIONAL DJ MIXING DESK

5-INPUT MOBILE OR VENUE DJ MIXER INDEPENDENT HEADPHONE MONITOR TYPE

Designed for DJ use, this stereo mixer features a removable cross-fade slide control, LED VU meters, dedicated gain controls for each channel (including the master output) and cue level and mixing controls. A talk over function is also included and the channel to be cued can be selected with a centrally located rotary switch. The mixer accepts both phono and line level inputs and features line level outputs for recording to a DAT or tape deck, etc. Mono or stereo sources can be accommodated with a front panel located push button switch.

Mic 1.5mV/2k Ohm
 Phono 3mV/47K Ohm
 Line In 150mV/27K Ohm
 F 20-20kHz +/- 2dB
 THD 0.02%
 S/N Better than 80dB
 Size 254x191x100mm
 Weight 2.2kg
 Power 240VAC Mains

Code DX2600



PHONO INPUT CONVERTER

Run out of inputs ?

If you require an extra input to your amplifier here is an option to use that old phono input !

Your turntable is gathering dust, so why not use its input for that new black box. Fully shielded in a metal box, premium quality components, gold plated plugs and sockets.

The circuitry re-equalizes the signal to counteract the RIAA eq. low level (MM) input. Passive (No power required). Small 75x25x55mm

Code PH26



SELL YOUR LPS

GAIN AN EXTRA INPUT
 PLUG A CD PLAYER INTO THE
 TURNTABLE INPUT





CERAMIC CARTRIDGE

Standard Stereo Type
 Code PC20

REPLACEMENT STYLUS
 D325



ORTOFON OM-10 CARTRIDGE



WITH OMB5 CONICAL STYLUS

Super Optimum Match
 Magnetic Cartridges.
 Premium grade stylus
 from the leader in
 European pick-ups.
 Code OMB5

REPLACEMENT STYLUS
 Stanfield D1229E

www.ortofon.com



CERAMIC CARTRIDGE

Metal Clip Base
 Stereo Ceramic
 Code PC24

REPLACEMENT STYLUS
 D325



ORTOFON OM-20 CARTRIDGE



OMB10 ELLIPTICAL STYLUS

Thorens®, Rega-Planar®, etc.
 Elliptical 20Hz-27KHz 4.0mV
 Separation 30dB(1kHz)
 Balance 1.5dB
 Tracking 1.25 1.75g
 Weight 5.0g
 Code OMB10

REPLACEMENT STYLUS
 Stanfield D1229E

www.ortofon.com



CERAMIC CARTRIDGE

Screw down base
 Stereo Ceramic
 Code PC23

REPLACEMENT STYLUS
 D325



TOSHIBA MAGNETIC N51M

Replacement Diamond
 Stylus and Cartridge
 as used in many, many
 turntable assemblies.
 standard Screw-in type.
 Suit a majority of
 Asian turntables.
 Moving Magnet [MM]
 Code PC40

REPLACEMENT STYLUS
 D1190



GARRARD KS40A CERAMIC CARTRIDGE

Zu Entsprechen Nadel
 Garrard 301, etc.
 Code PC06

REPLACEMENT STYLUS
 D444



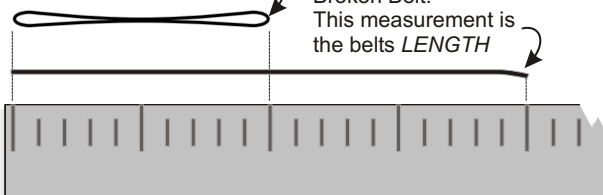
TURNTABLE BELTS - SEE PAGE 5-3

Complete Belt:

Double this measurement

Broken Belt:

This measurement is
 the belts LENGTH



Remember to allow for the old belt to have been stretched.
 Beware: Our belts are sold as per DIAMETER not length.

CERAMIC CARTRIDGE MODERN

POPULAR ECONOMY

Widely used stylus
 Snap-fit type base
 Removeable coupling
 Code PC30

REPLACEMENT STYLUS
 Stanfield D1262



RECORD BRUSH - ANTISTATIC

Carbon fibre brush
 reduces static
 as it cleans.
 Code PCT104



CARTRIDGE HEAD SHELL

Light weight Aluminium Four Pin
 Bayonet arm attachment which is
 standard on most tone arms.
 eg. Thorens, Technics 1200, etc.
 Accepts any standard cartridge.
 eg. OM10, PC40, V15, EP-DJ, etc.
 Includes four connection Leads.
 Black in colour. Gold contacts.
 Code CH10



RECORD WASH - ANTISTATIC

200ml Fluid Plus Cloth for Vinyl Re
 Efficiently removes dust, dirt and stat
 Non abrasive for gentle and effective
 www.am-denmark.com
 Code AM10101 *



REPLACEMENT CLOTH
 CLN1515

**Fluid is flammable goods so must transport by road*

CARTRIDGE WIRES X4

Four colour coded
 wires with spade
 connectors.
 25mm long.
 Code PCT204



RECORD CLEAN - ANTISTATIC

ANTISTATIC HAND BRUSH
 Anodised Aluminium Handle
 Conductive felt type brush
 Sponge filled for even pressure
 Removes static build-up and
 cleans out grit in one action.
 30ml cleaner squeegee bottle
 Code AM10104



**Fluid is flammable goods so must transport by road*

CARTRIDGE MOUNTING BITS

SCREW PAIR
 A pair of screws & nuts.
 Code PCT202



WEIGHT / SPACEI
 Add 2.25g / 2.5mm
 modify stylus moun
 Code PCT225



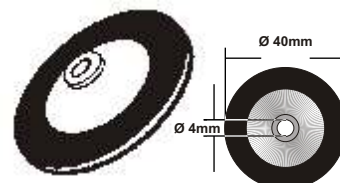
WATER LEVEL

Adjust your platter
 and/or cartridge
 for absolute flat
 level performance.
 Improves tracking.
 Code PCT230



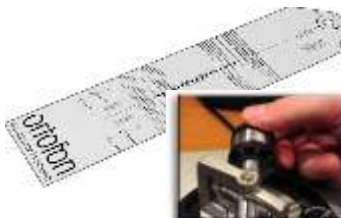
JOCKY WHEEL

Idler wheel to suit
 most Rim Drive type
 turntables (BSR, etc.)
 40 mm outside diameter.
 Suit 4mm spindle only.
 Rubber on cast alloy.
 Code TT10



ALIGNMENT PROTRACTOR

Adjust your stylus angle
 and position for minimum
 tracking error across the
 whole record. Vital piece
 of equipment for proper
 setup of your turntable.
 You will notice it in the
 improved stereo imaging.
 Code PCT210



MECHANICALS GREASE

REPAIRERS & RESTORERS

Rebuilding an older
 turntable mechanism
 requires optimum
 lubricants & Gease.
 Get decades of service
 using only the best.



TURNTABLE BELTS



See The First Pages...

POLYGLIDE CLEAR
 Grease for plastics.
 35g GR5147

BEARING YELLOW
 Metal rollers.
 35g GR5143

MOLYKOTE WHITE
 Surfaces & Bearings.
 50g MK6195

LANGZEITFETT GREY
 Premium grade for metals.
 100g GR3510



STYLUS GAUGE

OEM ORTOFON
 Adjusts stylus weight
 precisely and easily.

Dial is In Newtons.
 [10x mN to the gram]
 ie. 1g = 10mN

Code PCT220



STANFIELD REPLACEMENT STYLII

All stylus tips are diamond stereo. All tips conical unless indicated.
 Models marked * are the most popular.

Price Code	
C-D-E	\$6.75
F-G	\$8.95
H-I	\$13.75
J-K	\$19.75



STANFIELD CATALOGUE

The entire Stylus range is available through us. For a complete stylus listing get the Stanfield Catalogue
Code MAN-STY

D35 C	D170 * I	D194 * F	D414 * I	D505 * I	D558 I
D87 D	D171 I	D197 * I	D424 * I	D506 I	D563 I
D88 C	D184 I	D325 * C	D425E ELLIPTICAL J	D508 * I	D564 * I
D163 I	D186 I	D332 C	D442 C	D524 I	D565 I
D164 * I	D186ED ELLIPTICAL J	D387 I	D444 C	D528 I	D569 * I
D166 I	D190 I	D404 C	D475 C	D539 I	D570 F

STANFIELD REPLACEMENT STYLII

All stylus tips are diamond stereo. All tips conical unless indicated.
 Models marked * are the most popular.

Price Code
 C-D-E \$6.75
 F-G \$8.95
 H-I \$13.75
 J-K \$19.75



STANFIELD CATALOGUE

The entire Stylus range is available through us. For a complete stylus listing get the Stanfield Catalogue
Code MAN-STY

D574 I	D608 * I	D1032 I	D1086 I	D1132 C	D1155 * J
D579 I	D616 I	D1060 I	D1093 I	D1135 I	D1163 * I
D592 * I	D616ED J	D1070 * I	D1095 J	D1138 F	D1174 * I
D593 I	D1015 I	D1071 * I	D1109 * C	D1151 I	D1177 * J
D594 I	D1022 * F	D1081 * I	D1128 J	D1152 I	D1179 I
D606ED J	D1029E * J	D1085 I	D1129 I	D1153 * I	D1181 * J

STANFIELD REPLACEMENT STYLII

All stylus tips are diamond stereo. All tips conical unless indicated.
 Models marked * are the most popular.

Price Code
 C-D-E \$6.75
 F-G \$8.95
 H-I \$13.75
 J-K \$19.75



STANFIELD CATALOGUE

The entire Stylus range is available through us. For a complete stylus listing get the Stanfield Catalogue Code **MAN-STY**

D1184



I

D1237E



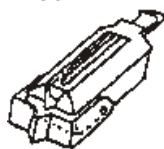
J

D1289



J

D1307 *



I

D6290



G

D6890E



J

ELLIPTICAL

D1187 *



J

D1241 *



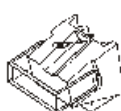
I

D1299 *



I

D1308



I

D6750 *



I

D7390 *



I

D1190 *



I

D1243



I

D1304 *



J

D6220



I

D6890



I

D7480 *



I

D1222E

ELLIPTICAL



J

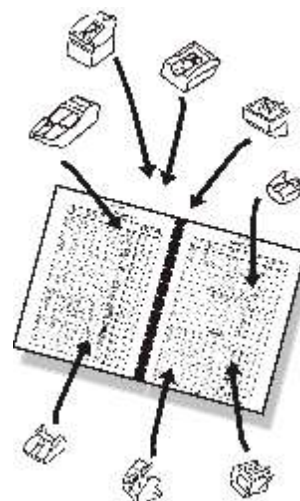
D1260



I

STYLUS CATALOGUE

Be prepared! Have a listing of virtually every stylus ever released in Australia! We stock the most popular but Stanfield stock the lot! (Rare ones can be ordered in with short delay). Keep your customers loyal by giving them access to the largest range of replacement stylus. Brand listed and illustrated for easy ID.
 Code **MAN-STY**



D1224 *



I

D1262 *



I

D1229E

ELLIPTICAL



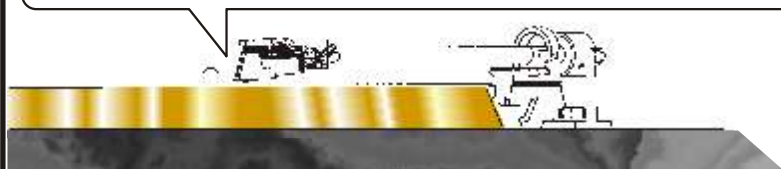
J

D1286 *



I

..POPI..I NEED..SCRATCH...A NEW STYLUS...POPI...
 ..STYLUS...POPI...STYLUS FROM WES...SCRATCH...





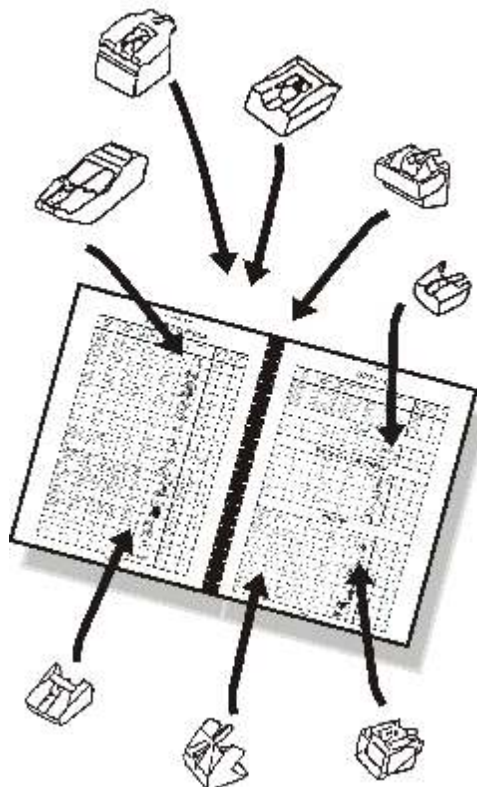
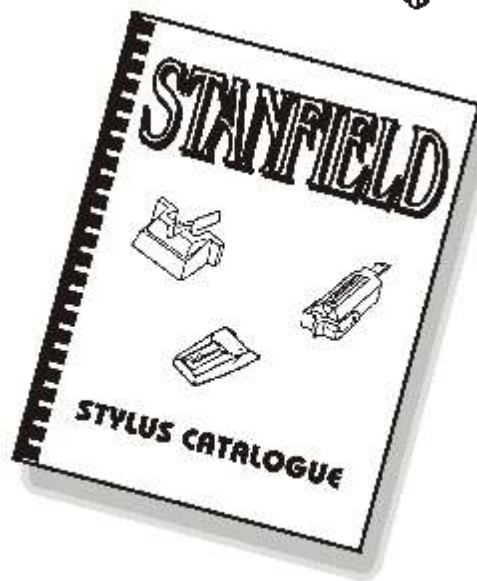
STYLUS LISTING BY CODE NUMBER

CODE	COPY OF STYLUS
D35	VACO ST100 used by BSR and HMV.
D87	HMV HV22D, 34D and PHILIPS AG3310.
D88	BSR ST3, ST4 used by AWA, HITACHI, HMV, KRIESLER, PYE, SANYO
D163	NEC LP25, CEC STY333, ONKYO DN8ST9ST, SANYO ST6D
D164	SANYO ST14D used by AUDIO REFLEX, AWA, HITACHI, HMV, PYE, etc.
D166	AWA N3DB, TOSHIBA N3CB/DB
D170	KRIESLER S70SR, EEI, EXCEL S70SR
D171	EXCEL S70HR Widely used by many manufacturers.
D184	AKAI MC9, JELCO ND9, SANSUI SN26 and SANYO ST15GD.
D186	SHURE N91ED used by AKAI, DUAL, SANYO and others.
D186ED	Elliptical version of above.
D190	PIONEER PN11.
D194	SANYO STG1 and TOSHIBA N3CD.
D197	AUDIO TECHNICA AT510, used by AKAI, AWA, HITACHI, HMV, F.
D325	VACO ST7, used by AWA, AWA, AUDIO REFLEX, COLUMBIA, HANIMEX, HITACHI, HMV, NATIONAL, ONKYO, PYE, RANK, SANYO, SHARP, SILVER, SONY, THORN, HMV HV17D, SONOTONE 9TA
D332	SHURE N44-7 used by DUAL, KRIESLER and others.
D387	BSR ST10, used by HMV, KRIESLER, PYE and others.
D404	SHURE N75-6, used by DUAL, GARRARD, HMV, PYE, SANYO & YAMAHA
D414	SHURE N44C, HEALING TM20
D424	SHURE N55E, used by linear design & many others. (Elliptic)
D425E	BSR ST12, ST14, used by EXPO, HMV, KRIESLER, PEY, RAMBLER, etc.
D442	SONOTONE 3509, used by G.E., GARRARD, HMV, KRIESLER, RAMBLER.
D444	BSR ST16, ST17, used by AUDIO REFLEX, AWA, EXPO, G.E., HANIMEX
D475	KRIESLER, NOVATECH, PYE, RANK, RAMBLER and SILVER.
D505	JVC DT29, used by AUDIO REFLEX, PHILIPS, PYE and RANK.
D506	JVC DT33H
D508	AUDIO TECHNICA AT55, AWA N13C, TOSHIBA N13C, YAMAHA N5500
D524	AIWA AN8743, KENWOOD N43, SHARP STY705
D528	PIONEER PN12 and PN10.
D539	SONY ND108G, used in HITACHI and others.
D558	ADC RK8, used by BSR and others.
D563	SONY ND134G
D564	SANSUI SN28, used by AUDIO REFLEX, SHARP and SILVER.
D565	SANYO/FISHER ST28
D569	NEC LP8300, CEC MC20, Harksound
D570	KRIESLER / NATIONAL EPS13TT
D574	SANSUI SN37
D579	SANYO ST27D, used by KRIESLER, TEAC, THORN and others.
D582	ONKYO DN28ST, used by RANK, SHARP, SILVER, TEAC and TOSHIBA.
D593	PIONEER PN135
D594	TOSHIBA NN1C, used by RANK ARENA and others.
D606ED	SHURE N95ED, used by AWA, DUAL and others. (Elliptical)
D608	AUDIO TECHNICA ATN71, used by AWA, COLUMBIA, HITACHI, G.E., KENWOOD, MARANTZ, NATIONAL, ONKYO, PYE, RANK, SANYO, TEAC and TOSHIBA.
D616	NATIONAL EPS270DD.
D616ED	Elliptical version of above.
D1015	KENWOOD N49
D1022	COLUMBIA DSN45, used by AWA, HITACHI, JVC, KRIESLER, PYE, SANYO.
D1029E	CEC / ORTOFON NF15E MK-II
D1032	PIEZO AN122, used by AWA, COLUMBIA, THORN and others.
D1022	TOSHIBA N40G, used by SANYO, RANK and others.
D1060	JVC DT36, used by AWA, RANK, SANYO, SILVER and TOSHIBA.
D1070	AUDIO TECHNICA ATN3400, INKEL, LUXMAN, MARANTZ CT6, SANYO ST38VD
D1071	AUDIO TECHNICA ATN3400, used by AKAI, AWA, HITACHI, JVC, KENWOOD, MARANTZ, MITSUBISHI, NATIONAL, ONKYO, SANSUI, SHARP, TOSHIBA.
D1081	CEC MC17, TEAC MC17
D1085	AUDIO TECHNICA ATN3711, used by AWA, AKAI and others.
D1086	PIEZO AN124, used by AWA, COLUMBIA and others.
D1071	AUDIO TECHNICA ATN3401, used by SANYO, SHARP and YAMAHA.
D1229	AIWA LM20, MITSUBISHI 3D-MM, ORTOFON/CONCORDE 20, Elliptical I
D1093	ADC QLM33-III, used by AUDIO REFLEX, BSR, HANIMEX and others
D1095	SHURE N17C
D1109	BSR T20MD, NOVATEC T-2MS, EXPO T20MD, MORSE T2MS, T20MI...
D1128	PIONEER PN220.
D1129	NATIONAL EPS25CS.
D1132	BSR T2MS and TETRAD T2MS.
D1135	ONKYO DN51ST, TOSHIBA N160C
D1138	CEC 6-2188-1A, PYE MC6, TOSHIBA N20G.
D505	AIWA AN36, GENERAL MST6, G.E. / SANYO STG2, MITSUBISHI 3D48M, ONKYO DN7, NEC LP60, SHARP STY117 THORN / TOSHIBA N320C
D1151	SHURE SS35C
D1152	NATIONAL / THORN EPS41ST, DORCHESTER
D1153	AUDIO TECHNICA ATN3601, used by AKAI, DUAL, JVC, PIONEER, ONKYO, SHARP, SONY, TEAC and YAMAHA...
D1155	NATIONAL EPS24CS
D1163	AUDIO TECHNICA ATN3600L, used by MORSE, NOVATEC, NATIONAL, PHILIPS D397-III, TOSHIBA N290S, NOVATEC, NAGAOKA JN711
D1174	AUDIO TECHNICA ATN3472P, used by AKAI, CEC, DUAL, HITACHI, KENWOOD, JVC, MARANTZ, NATIONAL, PIONEER, SANSUI, SANYO, SHARP & SONY.
D1177	SANSUI SN80, used by TEAC and others.
D1179	AKAI RS50, MARANTZ CT243, SHARP STY129 STY133
D1181	SHARP ST20D, used by MARANTZ, TOSHIBA and others.
D1184	SANSUI SN303, used by AWA, AKAI, MARANTZ and MITSUBISHI.
D1187	COLUMBIA DSN67, SANYO ST29 ST55 ST57, SHARP STY55, ST57
D1190	NAGAOKA NM321B, used by AWA, KRIESLER, PHILIPS and PYE.
D616	SANYO STG9, used by AWA, HITACHI, THORN and others.
D1243	MARANTZ CTN153, NATIONAL EPS30CS EPS33CS
D1163	Elliptical version of above. NATIONAL EPS30ES EPS33ES
D1222E	TEAC / SANSUI SN60, also suit MORSE, NOVATEC, TENSAT, SHERWOOD.
D1224	ORTOFON LM5, used by AWA, AKAI and others. (Elliptical)
D1229E	SANYO ST86D
D1241	SANYO STG10, used by JVC, SHARP, TOSHIBA and others.
D1243	SHARP STY146, used by CEC, SANYO, SONY, TOSHIBA and others.
D1260	PYE / CEC CZ800-1 MZ8D, SANYO ST-05
D1262	ADC SX-5, PYE HF1155
D1286	STANTON D5107AL
D1289	CEC BD95, TEAC P75, SHARP, MARANTZ, SANYO
D1299	SHARP STY155
D1304	ONKYO, TEMPEST, NOVATEC
D1307	AKAI APM75, 393, Kenwood N777
D1308	JVC DT-Z1S
D6220	NATIONAL EPS36
D6290	HITACHI ST103, PIEZO YM308
D6750	SHURE N70B, N72B, widely used by many suppliers.
D6890	SHURE N70EJ, N72EJ, upgrade of D6890. (Elliptical version)
D6890E	PIONEER PN110-II
D7390	SANSUI SN44
D7480	

CANT FIND IT? TRY REPLACING THE WHOLE CARTRIDGE!
SEE PREVIOUS PAGES FOR DETAILS.

STYLUS CATALOGUE

Be prepared! Have a listing of virtually every stylus ever released in Australia! We stock the most popular but Stanfield stock the lot! (Rare ones can be ordered in with short delay). Keep your customers loyal by giving them access to the largest range of replacement stylii. Brand listed and illustrated for easy ID. Code MAN-STY



Wagner **ELECTRONIC SERVICES A/Asia**
138 LIVERPOOL RD ASHFIELD 2131
PH 02 97989233 FAX 02 97980017

Email: sales@wagner.net.au Phone: +61-2-9798-9233 Fax: +61-2-9798-0017