

A F R

ADVANCED FORM RANGE

SERVICE

HOSHINO GAKKI CO., LTD.

No. 22 3-Chome, Shusaku-chou, Higashiku,
Nagoya, Aichi, Japan 〒 461-91

91/11/29

AFR (ADVANCED FROM RANGE) SERVICE/WARRANTYについて

91/11/29

新SERIESを発売するにあたって、各種のサービスを同時に実施いたします。
BUSINESSSとしての、企画開発-生産-宣伝-販売-保証-アフターサービスといった総合力は今や欠かせない状況となっておりこれらを充実させる事が末端ユーザーにとって大きな安心感を生み、買い替え等においても大きな要素となり、またDISTRIDUTER/DELERにおいても大きな力となり販売促進に貢献する事が出来るものと確信いたします。

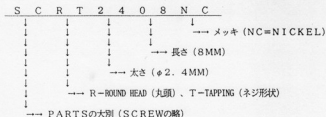
各種サービス

対 象

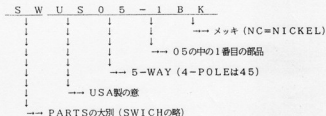
- | | |
|------------------------------|-------------------|
| ① OWNER' S MANUAL | COUSIMER |
| ② 新製品のPRE SERVICE PARTSの充実化 | DISTRIBUTER/DELER |
| ③ PARTS LISTの供給 | DISTRIBUTER/DELER |
| ④ 各MODELのBRAKE DOWN LISTの供給 | DISTRIBUTER/DELER |
| ⑤ SERVICE/WARRANTYの充実化 (迅速化) | COUSIMER |
| ⑥ 各種プロモーションの積極的企画 | DISTRIBUTER/DELER |
| ⑦ 宣伝スケジュールの計画 | DISTRIBUTER/DELER |
| ⑧ その他 | |

PARTS NUMBERの読み方

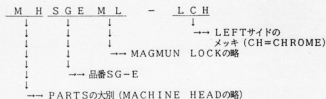
例：1. SCRT2408NC=2.4φX8MMの丸頭／タッピングネジ



例：2. SWUS05-1BK=USA製の5-WAYスイッチで1番目のBLACKパーツ (SWICH CAP)



例：3. MHSGEML-LCH=SG-EのMAGMAM LOCKで左サイドのクローム





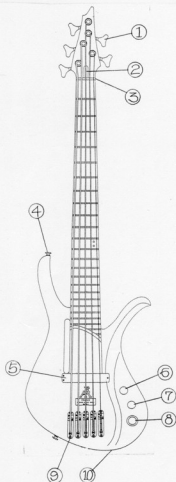
ADVANCED FORM RANGE

AFR BASS PARTS LIST 1.

MODEL NO: A105 (SAMAN)
A205 (KRALO WALNUT)
A305 (FALME MAPLE)
*105F, 205F, 305F=FRETLESS MODEL

91/12/09

FINISH: OIL FINISH



Ref No.	Parts Number	Discription	Unit
1	MUGB7-5CK	Bass Machine Head	1 Set
	SCRW2410BK	Screw for Machine Head	5 pcs
2	RCAFR	Rod Cover (Same Material as Body)	1 pc
	SCFT2410BK	Screw for Rod Cover	1 pc
3	NTGRP48	Graphite Nut	1 pc
4	EP02CK	End Pin	2 pcs
	EP01-1BK	Felt Washer for End Pin	2 pcs
	SCHT4030BK	Screw for End Pin	2 pcs
5	PUAFR5B	Magnetic Pick Up	1 pc
	SCRB3030BK	Pick Up Mounting	3 pc
	PUCS70710	Cussion for Pick Up	2 pcs
6	VR20KA	Volume Pot 20KΩ	1 pc
7	VR20BK	Balancer Double Pot 20KΩ	1 pc
	CKAFR01BK	Metal Control Knob	2 pcs
	VR16-1	Nut for Pot	2 pcs
	VR16-2	Washer for Pot	2 pcs
	VR16-3	Wave Washer	2 pcs
8	VR50KED	EQ Pot 50KΩ w/Register	1 pc
	CKAFR02BK	Metal Control Knob (Top)	1 pc
	CKAFR03BK	Metal Control Knob (Bottom)	1 pc
	VR16-1	Nut for Pot	1 pc
	VR16-2	Washer for Pot	1 pc
	VR16-3	Wave Washer	1 pc
9	MN01CK	Mono Rail Bridge w/Piezo Pick Up	5 sets
	SCFT3525	Screw for Bridge Mounting	10 pcs
10	JK02	Pipe Jack	1 pc
	JK02-2	Nut for Jack	1 pc
	JK02-3	Washer for Nut	1 pc
	JK02-4	Wave Washer for Jack	1 pc
	JPMANJS-1	Metal Bush for Joint Screw	4 pcs
11	EQAFR45	EQ Circuit Board	1 pc
	EQAFR45-1	Bush for Circuit Board Mounting	4 pcs
12	PLAFR-1BK	Control Plate	1 pc
	SCHT3012BK	Screw for Control Plate Fix	5 pcs
13	EQAFR45-2	Rubber Cap	1 pc
14	BT006P	Battery (006P)	2 pc
	PLAFR-3BK	Plate for Battery Box	1 pc
	SCRB3012BK	Screw for Plate Fix	2 pc
15	ST45-120	String (0.045 - 0.120)	1 set
16	WRP80	Pipe Wrench	1 pc
17	WR15	Wrench	1 pc
18	AFR105	Body	1 pc

AFR BASS PARTS LIST 1.

91/12/09

MONO RAIL BRIDGE W/PIEZO PICK UP (PATENT PENDING)

FULL SET NUMBER

MN01CK 4-String x 3

5-String x 5

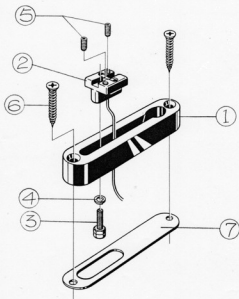
FINISH CORD

CK COSMO BLACK

Rfe No.	Parts Number	Discriptions	Finish	Unit	Size
1	MN01-1CK	Base Plate	Cosmo	1	
2	MN01-2CK	Saddle w/Piezo Sensor	Cosmo	1	
3	SCB3012LBR	Lock Bolt w/Nut (Reverse Clockwise)	Black	1	3.0 x 14
4	SWM3	Spring Washer	Nickel	1	For 3.0
5	SCB3006BK	Saddle High Adjust Bolt	Black	2	3.0 x 6
6	SCFT3525BK	Base Plate Mounting	Black	2	3.5 x 25
7	MN01-3CK	Under Shim	/	1	
8	WR15	Wrench	/	1	1.5 mm

Piezo Pick Up Wiring Coloring

String	4-String	5-String
1 G	Red	Red
2 D	Orange	Orange
3 A	Yellow	Yellow
4 E	/	Green
5 B	/	Blue



AFR BASS PARTS LIST 2.

91/12/09

MONO RAIL D-TUNER BRIDGE W/PIEZO PICK UP (PATENT PENDING)

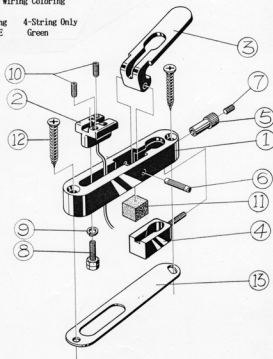
FULL SET NUMBER
MN01DTCK

FINISH CORD
CK COSMO BLACK

Rfe No.	Parts Number	Discriptions	Finish	Unit	Size
1	MN01DT01CK	Base Plate	Cosmo	1	
2	MN01-2CK	Saddle w/Piezo Sensor	Cosmo	1	
3	MN01DT02CK	D-Tuner Lever	Cosmo	1	
4	MN01DT03CK	Anchor	Cosmo	1	
5	MN01DT04CK	Fine Tuner Bolt	Cosmo	1	
6	MN01DT05CK	Pin	/	1	φ3
7	SCB3006BK	Tine Tuner Lock Bolt	Black	1	3.0 x 6
8	SCB3012LBK	Lock Bolt w/Double Nut	Black	1	3.0 x 14
9	SWM3	Spring Washer	Nickel	1	For 3.0
10	SCB3006BK	Saddle High Adjust Bolt	Black	2	3.0 x 6
11	MN01DT-05CK	Damper	Black	1	
12	SCFT3525BK	Base Plate Mounting	Black	2	3.5 x 25
13	MN01-3CK	Under Shim	/	1	
14	WR15	Wrench	/	1	1.5 mm

Piezo Pick Up Wiring Coloring

String 4-String Only
4 E Green



AFR PRE SERVICE PARTS LIST

'91年11月 - '92年1月 ORDER

*4-STRING BASS 100

*5-STRING BASS 47

ORDERを3ヶ月をイニシャル オーダーとした理由は、11月では4弦をPRE

PRODUCTIONとしてテスト投入し、12月-1月で全てのMODELの投入が終了

したと判断した為。

AFR PRE SERVICE PARTS LIST 1.

MONO RAIL BRIDGE W/PIEZO PICK UP (PATENT PENDING)

Rfe No.	Parts Number	Discriptions	Finish	Size	
1	○ MN01-1CK	Base Plate	Cosmo		8
2	● MN01-2CK	Saddle w/Piezo Sensor	Cosmo		8
3	○ SCE3012LBK	Lock Bolt w/Nut (Reverse Clockwise)	Black	3.0 x 14	8
4	○ SMM3	Spring Washer	Nickel	For 3.0	8
5	○ SCE3006BK	Saddle High Adjust Bolt	Black	3.0 x 6	8
6	○ SCFT3525BK	Base Plate Mounting	Black	3.5 x 25	8
7	○ MN01-3CK	Under Shim	/		8
8	○ WR15	Wrench	/	1.5 mm	8

MONO RAIL D-TUNER BRIDGE W/PIEZO PICK UP (PATENT PENDING)

Rfe No.	Parts Number	Discriptions	Finish	Size	
1	○ MN01DT01CK	Base Plate	Cosmo		5
2	● MN01-2CK	Saddle w/Piezo Sensor	Cosmo		5
3	○ MN01DT02CK	D-Tuner Lever	Cosmo		5
4	○ MN01DT03CK	Anchor	Cosmo		5
5	○ MN01DT04CK	Fine Tuner Bolt	Cosmo		5
6	○ MN01DT05CK	Pin	/	φ3	5
7	○ SCE3006BK	Tine Tuner Lock Bolt	Black	3.0 x 6	5
8	○ SCE3012LBK	Lock Bolt w/Double Nut	Black	3.0 x 14	5
9	○ SMM3	Spring Washer	Nickel	For 3.0	5
10	○ SCE3006BK	Saddle High Adjust Bolt	Black	3.0 x 6	5
11	○ MN01DT05CK	Damper	Black		5
12	○ SCFT3525BK	Base Plate Mounting	Black	3.5 x 25	5
13	○ MN01-3CK	Under Shim	/		5
14	○ WR15	Wrench	/	1.5 mm	5

VARIABLE REGISTER (VR)

1	○ VR20KA	Volume Pot		8
2	○ VR20RG	Balancer Pot		8
3	○ VR16-1	Nut for Pot		8
4	○ VR16-2	Washer for Pot		8
5	○ VR16-3	Wave Washer for Pot		8
6	○ VR50KBD	Double EQ Pot		8

CIRCUIT BOARD (EQ)

1	○ EQAFR45	Circuit Board for EQ		8
2	○ EQAFR45-1	Bush for Circuit Board Mounting		24
3	○ EQAFR45-2	Rubber Cap		8

AFR PRE SERVICE PARTS LIST 2.

MAGNETIC PICK UP (PU)

1 ○ PUAFR4S	Magnetic Pick Up for 4 string Bass	5
2 ○ PUAFR5S	Magnetic Pick Up for 5 string Bass	5

CONTROL KNOB (CK)

1 ○ CKAFR01BK	Control Knob for Volume & Balancer	16
2 ○ CKAFR02BK	Control Knob for EQ (Small)	8
3 ○ CKAFR03BK	Control Knob for EQ (Large)	8

PLATE (PL)

1 ○ PLAFR1BK	Control Plate	8
2 ○ PLAFR2BK	For Battery Box	8

SCREW (SC)

1 ○ SCRB3030BK	For Magnetic Pick Up Mounting	24
2 ○ SCRW2410BK	For Machine Head Mounting	30
3 ○ SCFT2410BK	For Rod Cover Mounting	10
4 ○ SCHR4030BK	For End Pin Mounting	16

JACK (JK)

1 ○ JK02	Pipe Jack	8
2 ○ JK02-2	Nut for Jack	8
3 ○ JK02-3	Washer for Jack	8
4 ○ JK02-4	Wave Washer for Jack	8

MACHINE HEAD (MH)

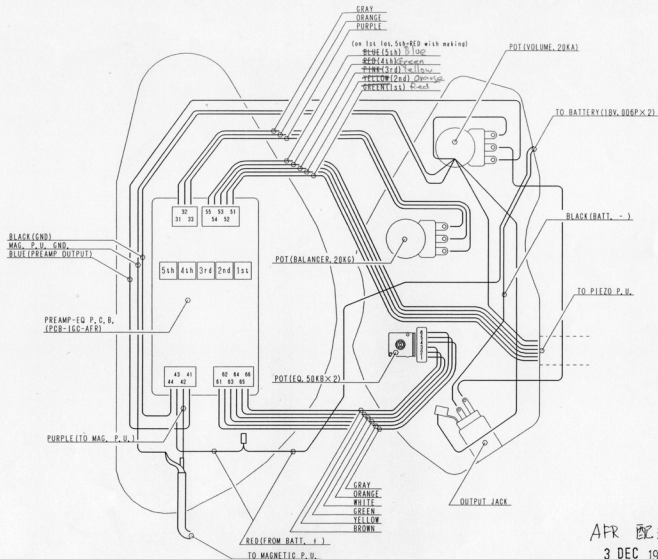
1 ○ MHS67LCK	Bass Machine Head Left Side	12
2 ○ MHS67RCK	Bass Machine Head Right Side	10
3 ○ MHS67-01CK	Nut	24
4 ○ MHS67-02CK	Washer	24

ROD COVER (RC)

1 ○ RCAFRSM	Saman Wood Rod Cover	5
2 ○ RCAFRBW	Kralo walnut Wood Rod Cover	5
3 ○ RCAFRBW	Flame Maple Wood Rod Cover	5

END PIN (EP)

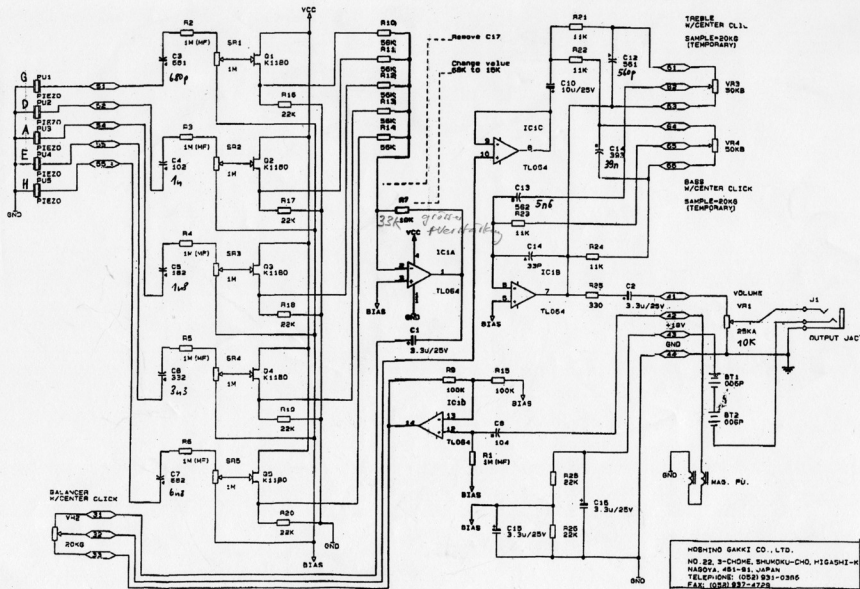
1 ○ EP02CK	End Pin	6
2 ○ EP01-1BK	Felt Washer (Black)	6



AFR 配線図

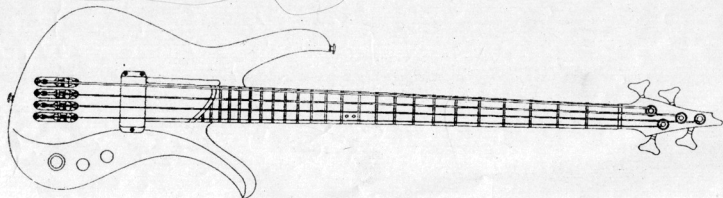
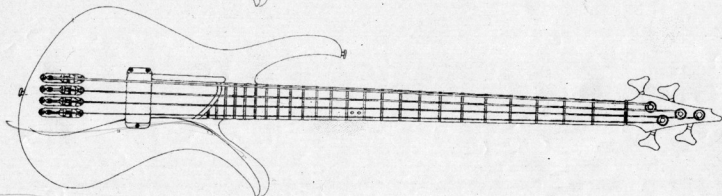
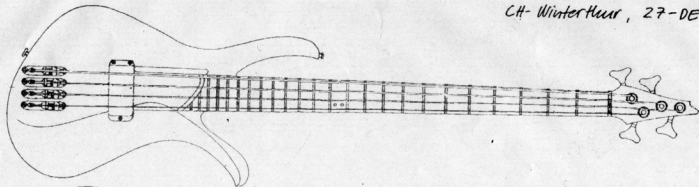
3 DEC 1991





HOSHINO GAKKI CO., LTD.
NO. 22, 3-CHOME, SHUMOKU-CHO, HIGASHI-K
NAGOYA, 461-83, JAPAN
TELEPHONE: (052) 931-0386
FAX: (052) 937-4729

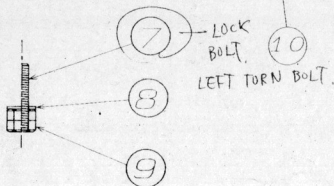
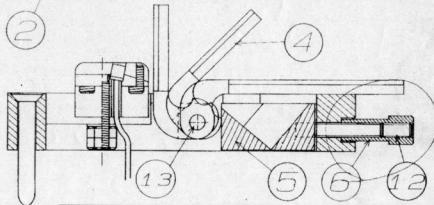
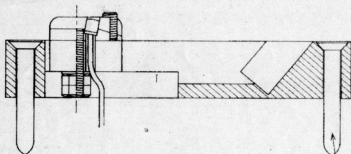
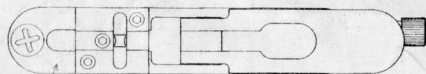
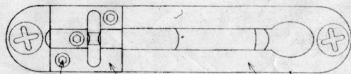
CH- Winterthur, 27-DEC-1990



by Roll Souler

バージョン 1.5

[CAPS



1	PIN	G91029-13	13		#3.20-1x1.5R	
1	LOCK BOLT		12		3X6六角穴付	市販品
2	SCREW		11		3X6六角穴付	市販品
2	SCREW		10		3.5X24 (R6400)	市販品
2	NUT		9		M3 P=0.5	特注品 (左2分)
1	SPRING WASHER		8		M3 用	市販品
1	LOCK SCREW		7		3X14六角穴付	特注品 (左2分)
1	ADJ. BOLT	G91029-6	6			切 削
1	ANCHOR	G91029-5	5			切 削
1	ARM LEVER	G91029-4	4			DIE CASTING
1	SADDLE	G91029-3	3			DIE CASTING
1	O-BASE HOUSING	G91029-2	2			DIE CASTING
1	BASE HOUSING	G91029-1	1			DIE CASTING

MODEL NUMBER		MODEL NAME		SCALE	
(AFRB104, 105)		BASS BRIDGE		2/1	
APPROVED BY	CHECKED BY	DRAWING BY	DATE		
		FRITZ	1991 6 18		
		KATOH			

変更図面 91/7/2

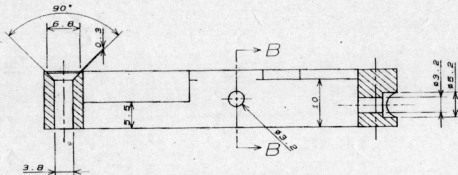
4弦用使用配号

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 X 1

5弦用使用配号

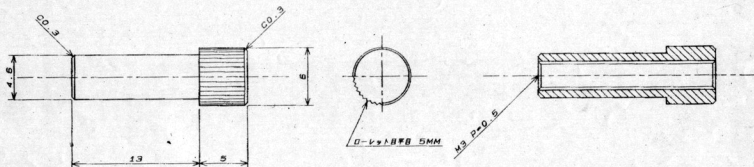
1, 3, 7, 8, 9, 10, 11, 13 X 3
1, 3, 7, 8, 9, 10, 11, 13 X 5

HOSHINO GAKKI CO., LTD. NO. 22, 3-CHOME, SHIMOKU-CHO, NIGASHI-KU, NAGOYA, JAPAN TEL: 052-931-0381 FAX: 052-932-2684	DRAWING NUMBER		PAPER
	G91029		A-3



MODEL NUMBER		MODEL NAME		SCALE
(AFRB104, D-TUNER)		D-BASE HOUSING		2/1
APPROVED BY	CHECKED BY	DRAWING BY	DATE	
		FRITZ	1991 6 18	
		KATOH		
DRAWING NUMBER			PAPER	
691029-2			A-3	

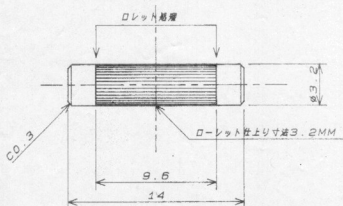
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MODEL NUMBER		MODEL NAME		SCALE
(ARF105)		FINE TUNER BOLT		4/1
APPROVED BY	CHECKED BY	DRAWING BY	DATE	
		FRITZ KATOH	1991 6 18	
HOSHINO GAKKI CO., LTD. NO. 22, 3-CHOME, SHIMOKU-CHO, NAGASHI-KU, NAGOYA, JAPAN			DRAWING NUMBER	PAPER
TEL: 052-931-0381 FAX: 052-931-2684			G91029-6	A-3

FILE: ARFBASS/F.T. BOLT, 01

面図用産量



MODEL NUMBER		MODEL NAME		APPROVED BY		CHECKED BY		DRAWING BY		SCALE	
(AFRB104, 105)		PIN						FRITZ KATOH		4/1	
DRAWING NUMBER		DATE		PAPER							
G91029-13		1991 6 26		A4							



HOSHINO GAKKI CO., LTD.

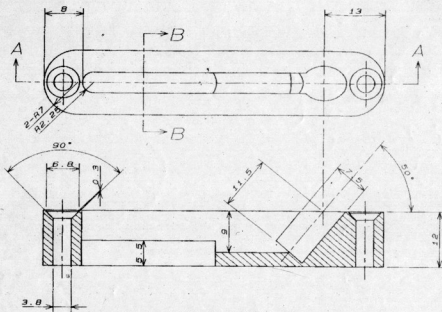
NO. 22, 3-CHOME, SHIMOKI-CHO, HIRABASHI-KU, NAGOYA, JAPAN

TEL: 052-931-0381

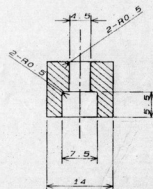
FAX: 052-931-2684

FILE: AFRBASS/PIN. 01

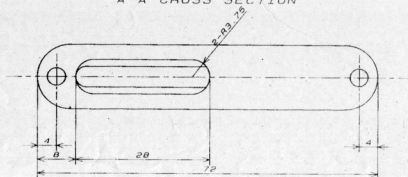
量産用図面



A-A CROSS SECTION



B-B CROSS SECTION



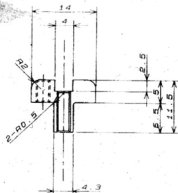
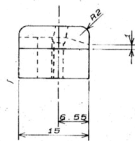
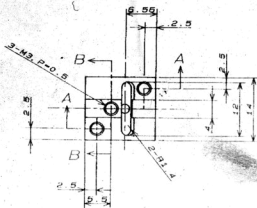
MODEL NUMBER	MODEL NAME	SCALE
(AFRB104.105)	BASE HOUSING	2/1
APPROVED BY	CHECKED BY	DRAWING BY
		FRITZ
		KATO
		DATE
		1991 6 18
		DRAWING NUMBER
		691029-1
		PAPER
		A-3

FILE: AFRBASS/HOUSING . 01

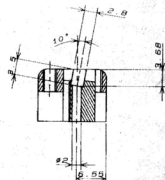


HOSHINO GAKKI CO., LTD.
NO. 22, 3-CHOME, SHIMOKU-CHU, HIGASHI-KU,
NAGOYA, JAPAN
TEL: 052-931-0301 FAX: 052-932-2684

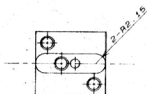
量産用図面



B-B CROSS SECTION

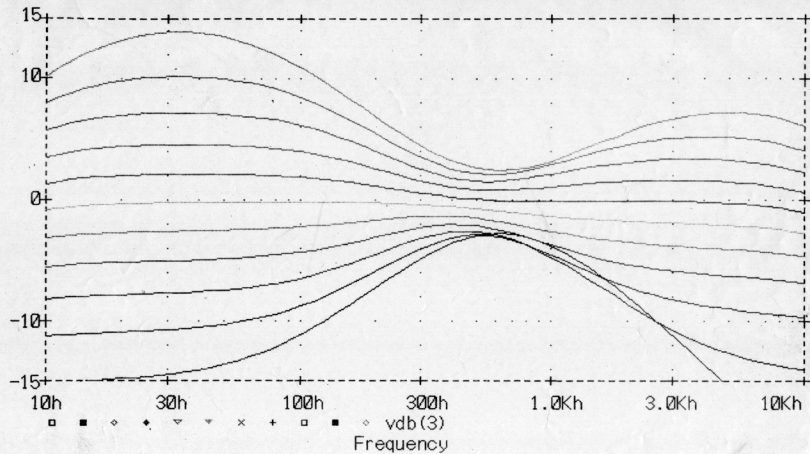


A-A CROSS SECTION



MODEL NUMBER		MODEL NAME		SCALE
(AFRB10-4, 105)		SADDLE		2/1
APPROVED BY	CHECKED BY	DRAWING BY	DATE	
		FRIITZ	1991.3.25	
		KATOH		
HOSHINO GAKKI CO., LTD.			DRAWING NUMBER	
NO. 22, 3-CHOME, SHIMOKU-CHO, NAGOYA, JAPAN			691029-3	
TEL. 052-931-0301			FAX. 052-932-2684	
			A-3	

FILE: AFRBASS/SADDLE_01



0)Exit 1)Log 3)Auto-range 4)Set range : 0

ARTFIELD BASS

EQ シミュレーション

VR = 50K

C IN = 2.2M

C NF = 33P

'91/06/29