FS SERIES

WATERPROOF BENCH SCALES

MAINTENANCE MANUAL

Maintenance-FS-v.1.b 17.12.91 PH

DUAL RANGE BENCH SCALES

A&D Company, Limited

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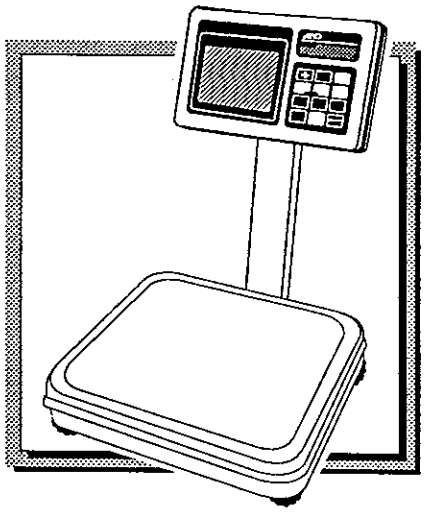


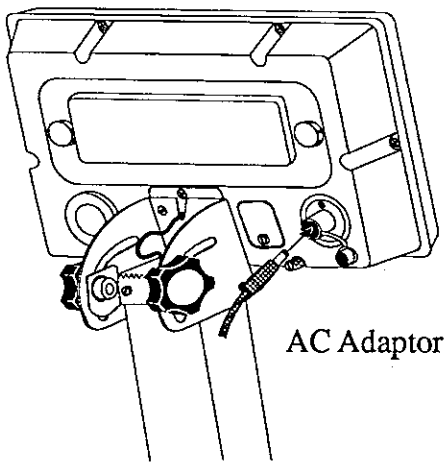
FS Series • Section A

Dis-assembly

Dis-assembly of the FS Scale

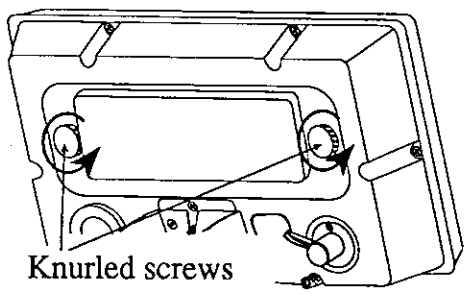
Removing the Scale Pod

1



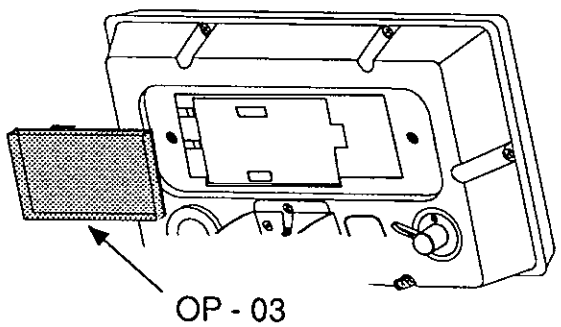
▶ Switch OFF the mains power and unplug the AC adaptor.

2



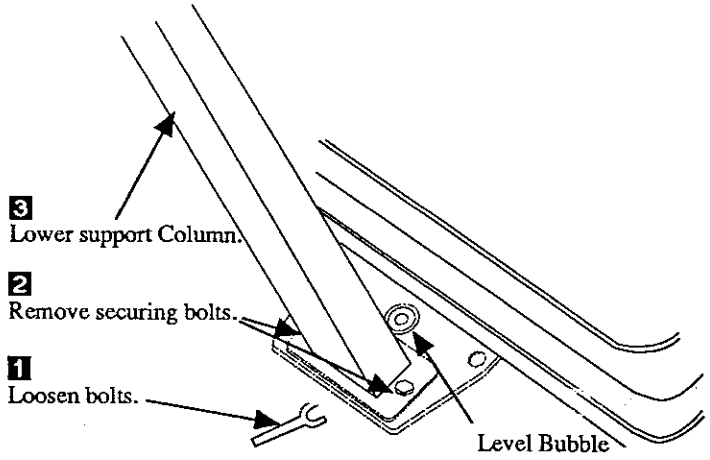
▶ Undo the battery compartment screws and remove the cover and batteries.

3



▶ Remove the option board.

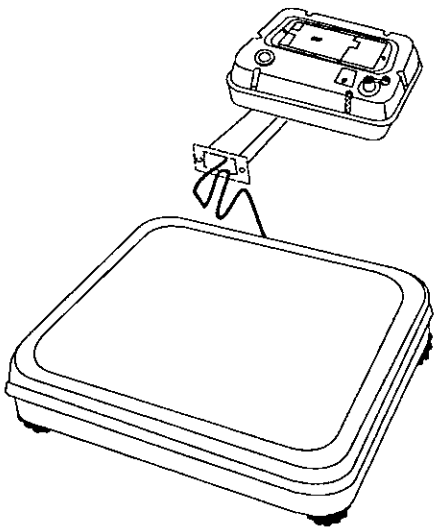
4



⚠ Support the column during this step.

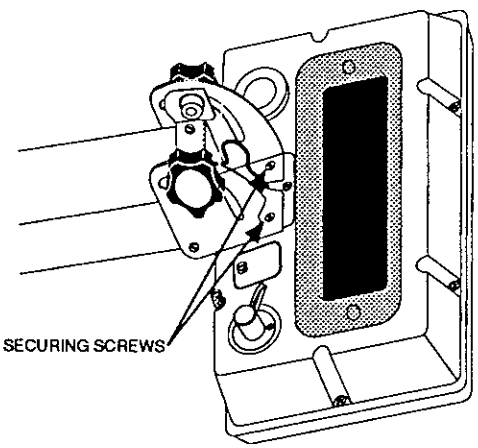
▶ Using the wrench provided with the scale undo and remove the two column supporting bolts.

5



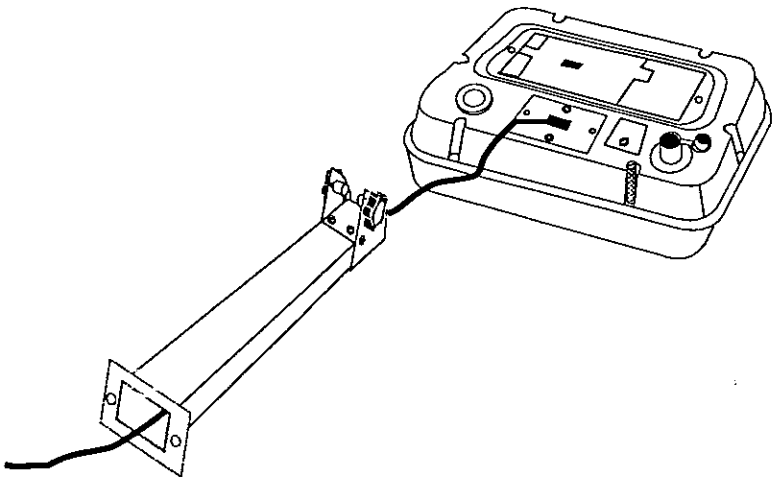
▶ Lay the column and pod face down on the bench.

6



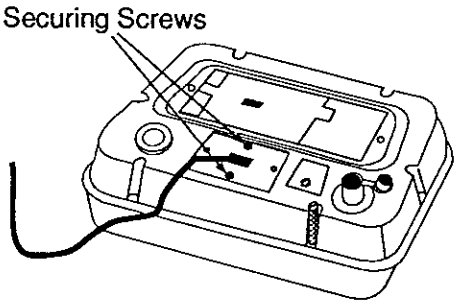
▶ Remove the 2 screws securing the Pod to the Column.

7



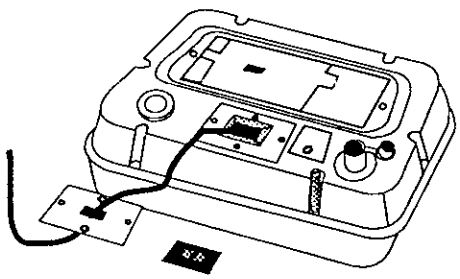
▶ Carefully pull the excess loadcell cable from the column and slide the column down the cable.

8



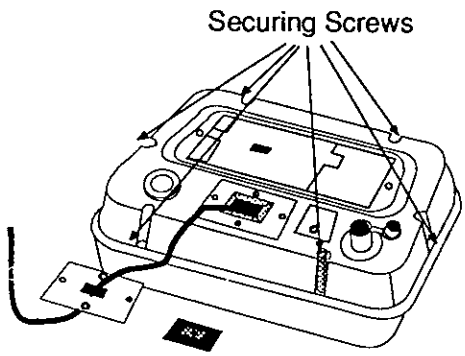
▶ Remove the 2 screws securing the cable clamp plate.

9



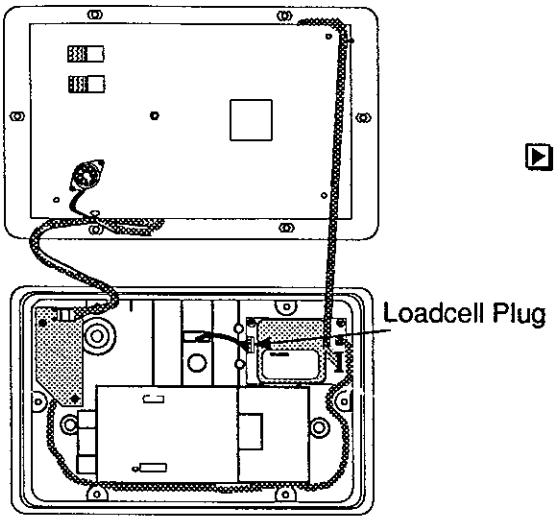
▶ Slide the plate down the loadcell cable and remove the grommet.

10



▶ Remove the 6 screws securing the pod halves together.

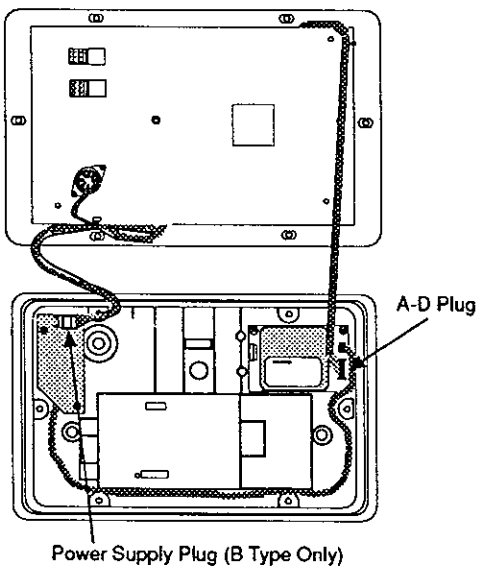
11



▣ Separate the 2 pod halves and unplug the loadcell connector from the p.c.b.

Removing the Main Logic Board

1

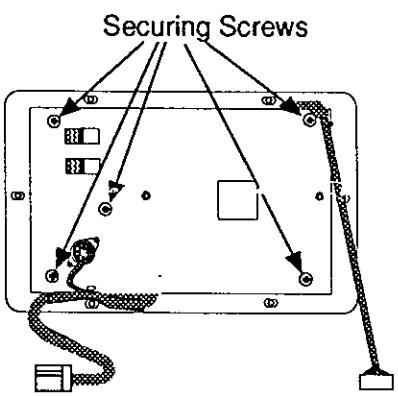


▣ Remove the A-D convertor plug.

○ 'B 'Type scale ONLY.

▣ Remove the Power Supply plug.

2

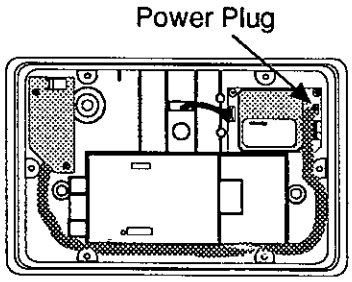


▣ Remove the 5 screws holding the board to the front panel.

▣ Lift out the board.

Removing the A-D Board

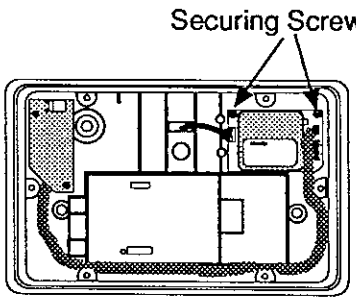
1



❍ 'B 'Type scale ONLY.

▣ Remove the Power plug.

2

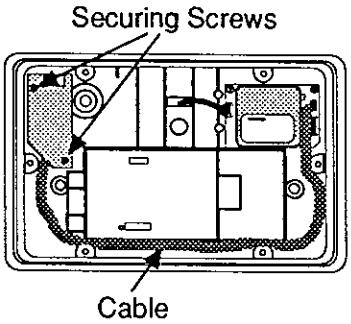


▣ Remove the 2 screws holding the board to the housing.

▣ Lift out the board.

Removing the Power Board

1



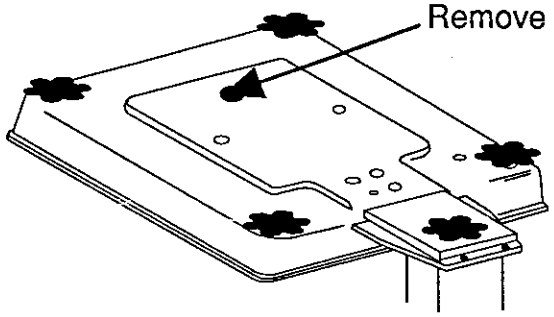
❍ 'B 'Type scale ONLY.

▣ Remove the 2 screws holding the board to the housing.

▣ Free the cable and lift out the board.

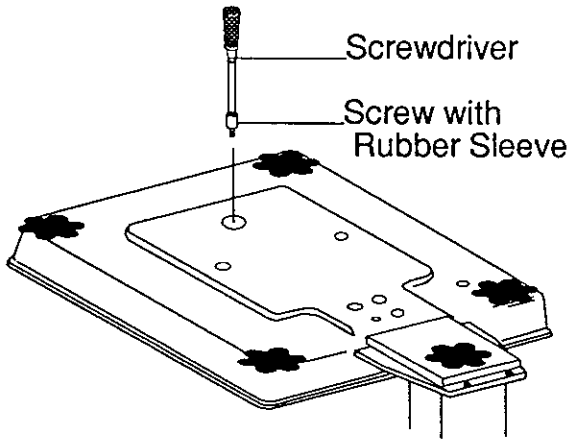
Disassembling the Basework

1



▣ Invert the scale onto a bench top and remove the rubber plug.

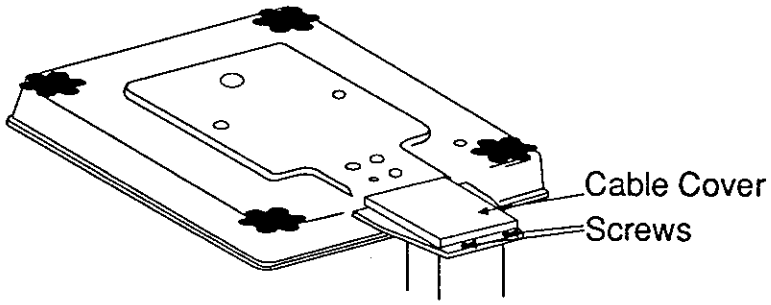
2



▣ Use a Cross Head screwdriver with a shaft diameter of approximately 5 mm to remove the pan securing screw.

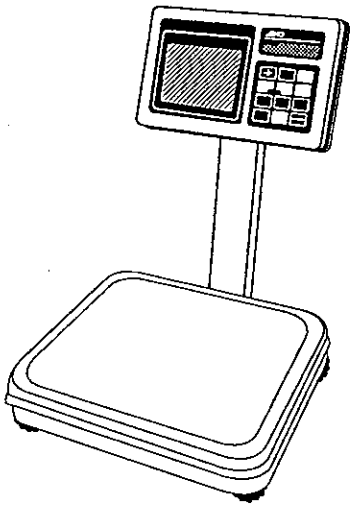
❍ Toledo Part Number C271-3 is a suitable screwdriver.

3



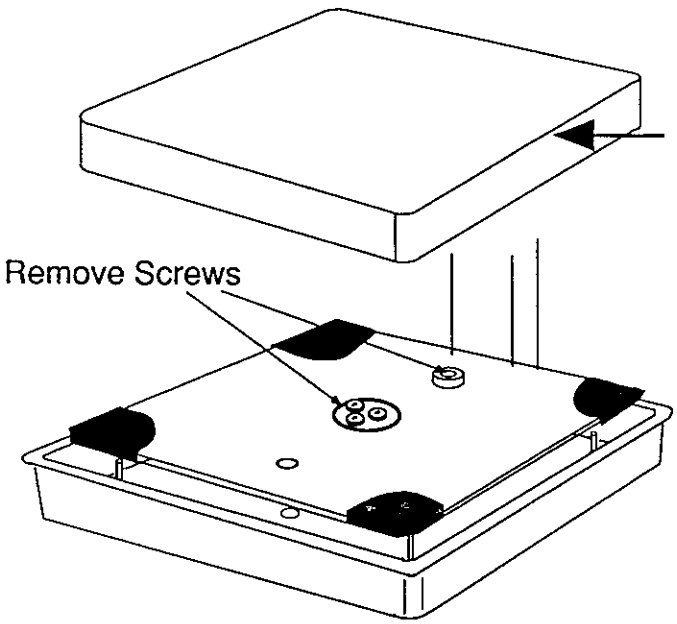
▣ Remove the 2 screws and the cable cover.

4



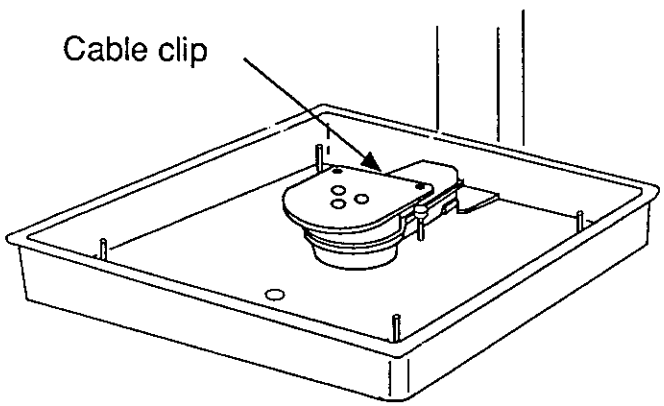
- Hold the pan and carefully turn the scale right way up.

5



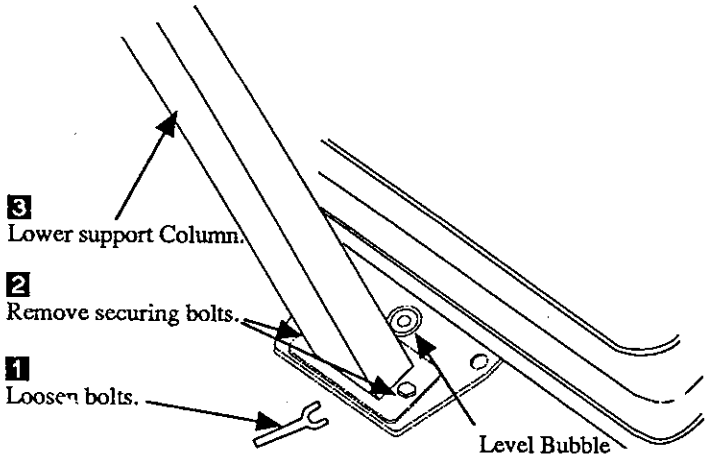
- Remove the pan and place to one side.
- Remove the screw securing the overload stop.
- Remove the overload stop & place to one side.
- Remove the 3 screws securing the load plate to the loadcell.
- Remove the load plate.

6



- Remove the loadcell cable clip and screw.

7

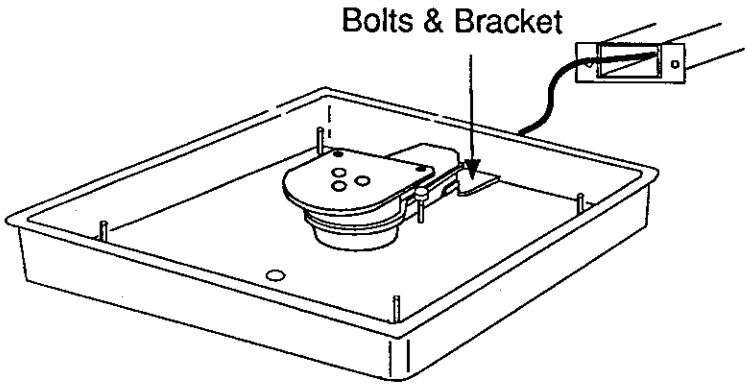


⚠ Support the column during this step.

▶ Using the wrench provided with the scale undo and remove the two column supporting bolts.

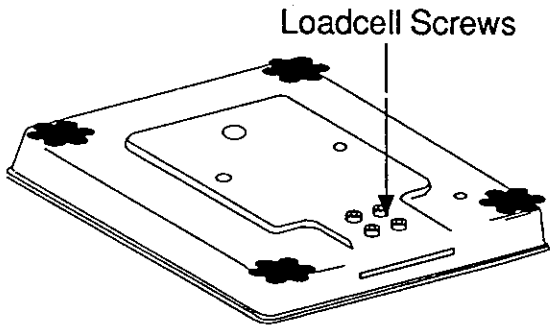
▶ Lay the column and pod onto the bench.

8



▶ Undo the 2 cap head screws and feed the column support bracket through the slot in the base and up the loadcell cable.

9

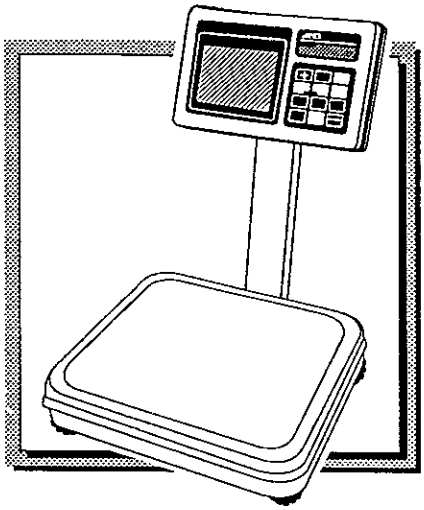


▶ Invert the base and remove the 4 cap head screws securing the loadcell to the base.

10

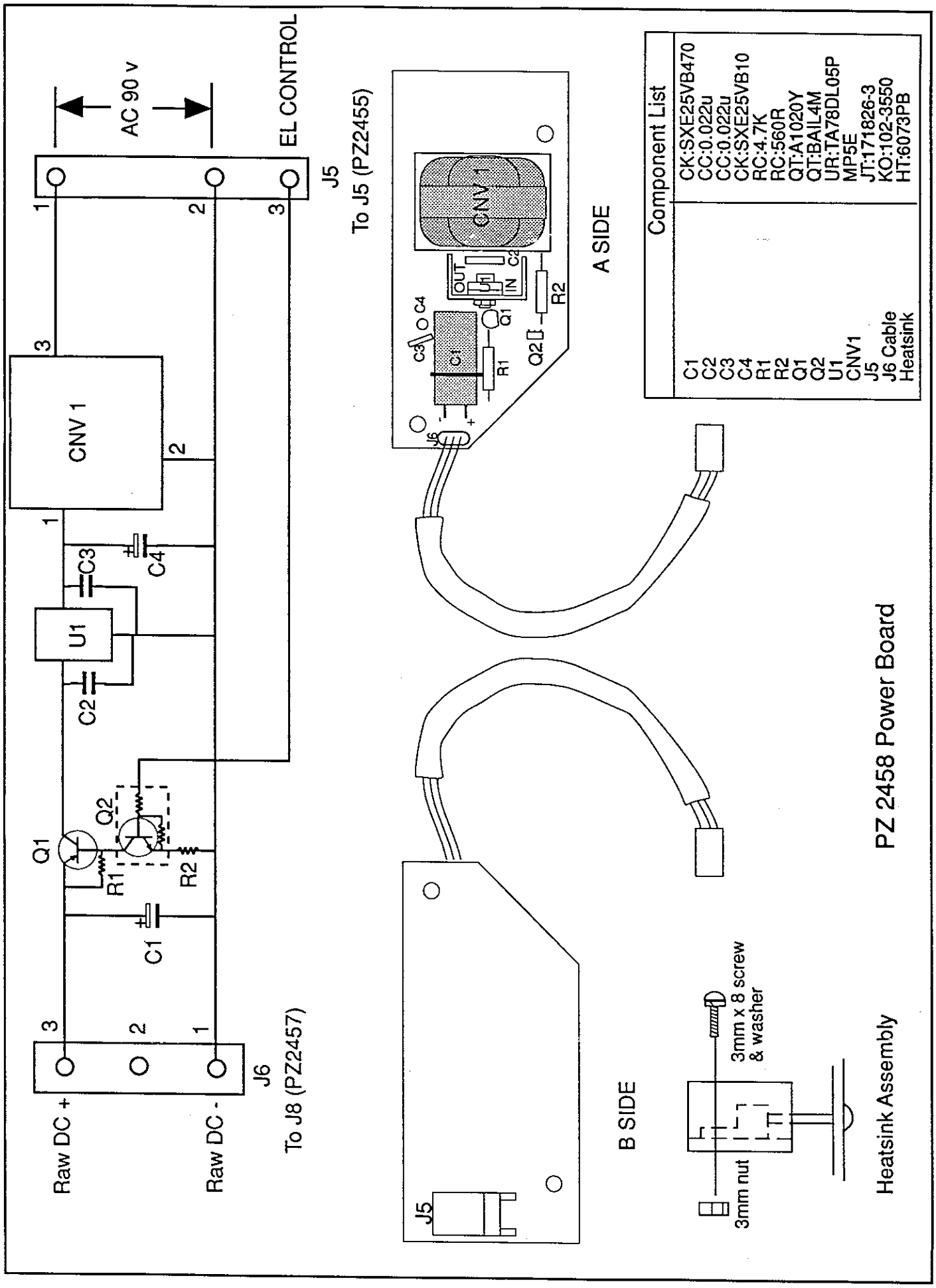
▶ If necessary remove the pod from the column and free the loadcell cable. (See start of this section).

▶ Remove the loadcell by feeding the cable through the column and then through the slot in the basework.



FS Series • Section B

Power Board


PZ 2458 Power Board
A SIDE
B SIDE
Component List
C1
C2
C3
C4
R1
R2
Q1
Q2
U1
CNV1
J5
J6 Cable
Heatsink
CK:SXE25VB470
CC:0.022u
CC:0.022u
CK:SXE25VB10
RC:4.7K
RC:560R
QT:A1020Y
QT:BAIL4M
UR:TA78DL05P
MP5E
JT:171826-3
KO:102-3550
HT:6073PB
AC 90 v
EL CONTROL
J5
To J5 (PZ2455)
CNV 1
U1
C1
C2
C3
C4
Q1
Q2
R1
R2
Raw DC +
Raw DC -
J6
To J8 (PZ2457)
3mm x 8 screw
& washer
3mm nut
Heatsink Assembly

Description of Operation

General

Raw D.C. voltage is supplied to this board via connector J6. This voltage will come from the internal batteries or from an external A.C. adaptor. The voltage will be about 8 Volts with the backlighting ON.

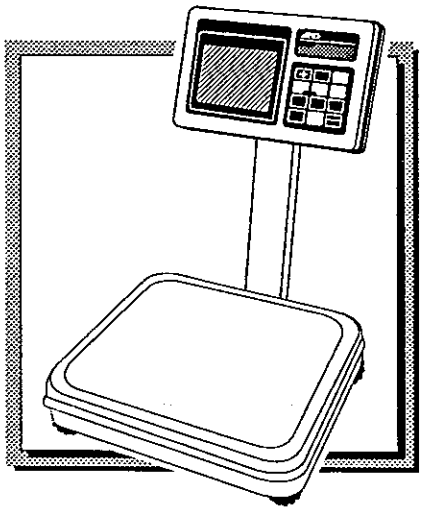
The circuit will, under the control of the microprocessor, generate an A.C. voltage, of about 90 Volts, to supply the back lighting element.

Q1 / Q2 act as a switch to control the voltage supplied to U1. This switch responds to the microprocessor command appearing at J5 - 3. Regulator U1 provides a 5 Volt D.C. supply to the Convertor CNV1. The convertor changes the input 5 Volt D.C. to an A.C. Voltage of about 90 Volts. This voltage is supplied via connector J5 - 3 to the Main Board PZ 2455 and thus to the backlighting element.

Typical Circuit Voltages

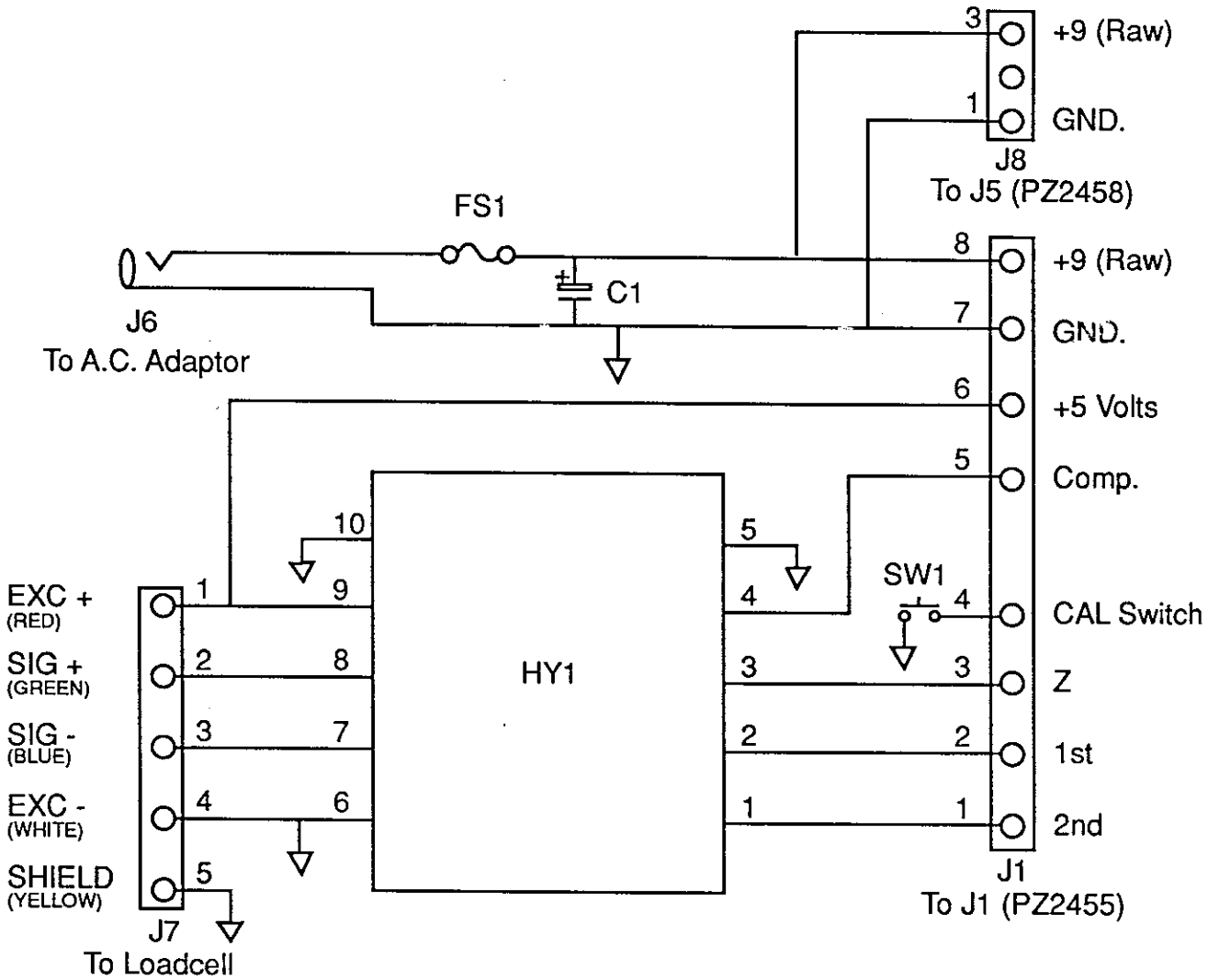
From (+ Terminal)	To (- Terminal)	Voltage	Comments
J6 - 3	J6 - 1	8 Volts D.C.	Backlighting ON
J6 - 3	J6 - 1	13 Volts D.C.	Backlighting OFF *
CNV1 - 1	CNV1 - 2	+ 5 Volts D.C.	Backlighting ON
J5 - 1	J5 - 2	90 Volts A.C.	Backlighting ON

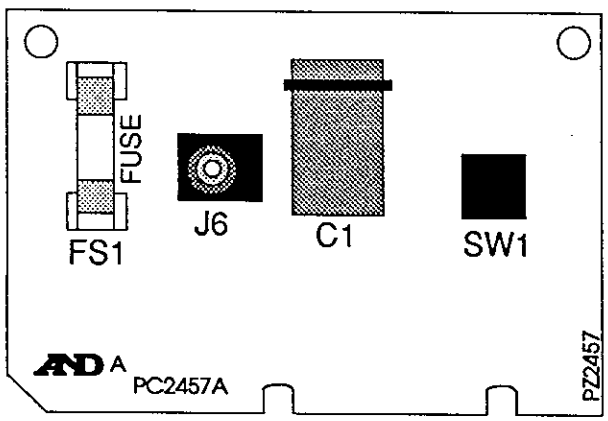
* A.C. Adaptor Supply



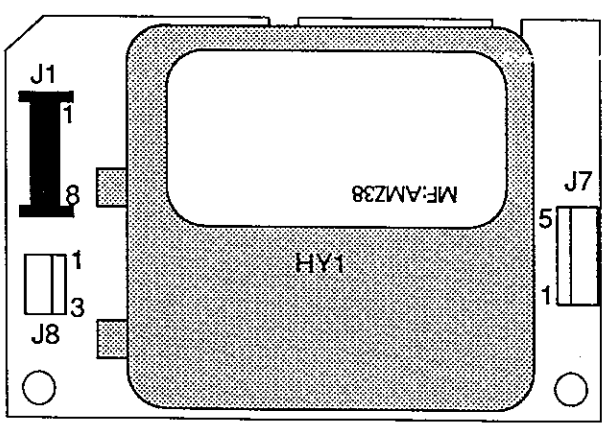
FS Series • Section C

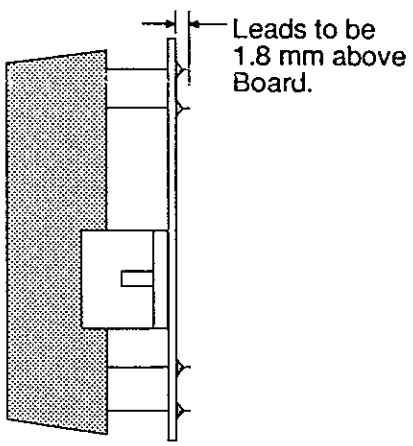
Analog Board





Component List	
J1	JT:172429-8
J6	JE:0486-01-010
J7	JT:171825-5
J8	JT:171825-3
HY1	AMZ 38
SW1	SK:TMI-01/0010
C1	CK:SXE25VB470
FS1	FS:EAWK-500mA





Description of Operation

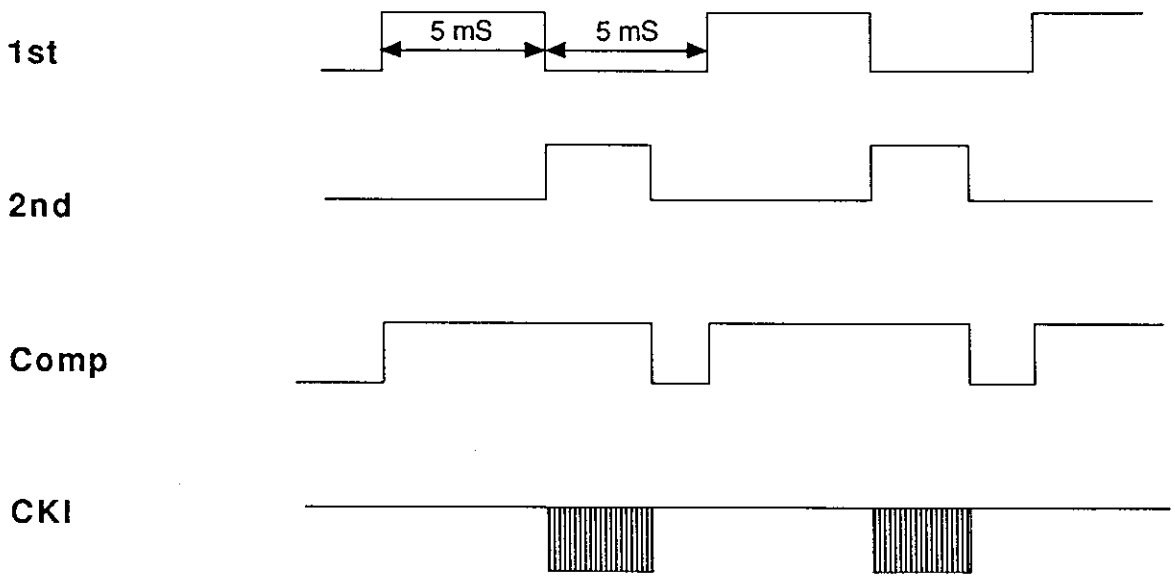
General

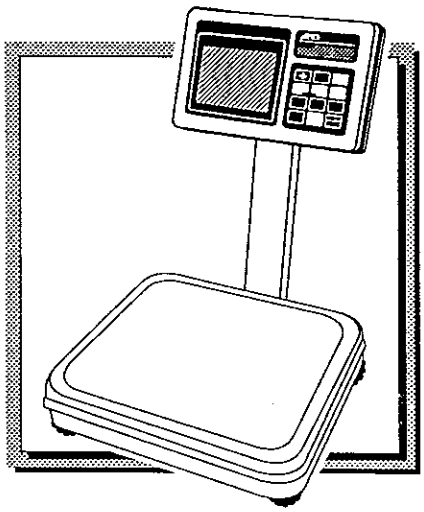
The Analog board connects to the loadcell and to the microprocessor on the main board. It's function is to compare the analog signal from the loadcell with a reference voltage and provide a Comparison signal to the micrprocessor. The comparison is performed in the AMZ 38 hybrid convertor and is controlled by the input signals Z, 1st and 2nd generated by the microprocessor.

The board also has the A.C. adaptor socket J6 which connects the supply voltage, via the fuse FS1, to the main board.

Timing Diagram

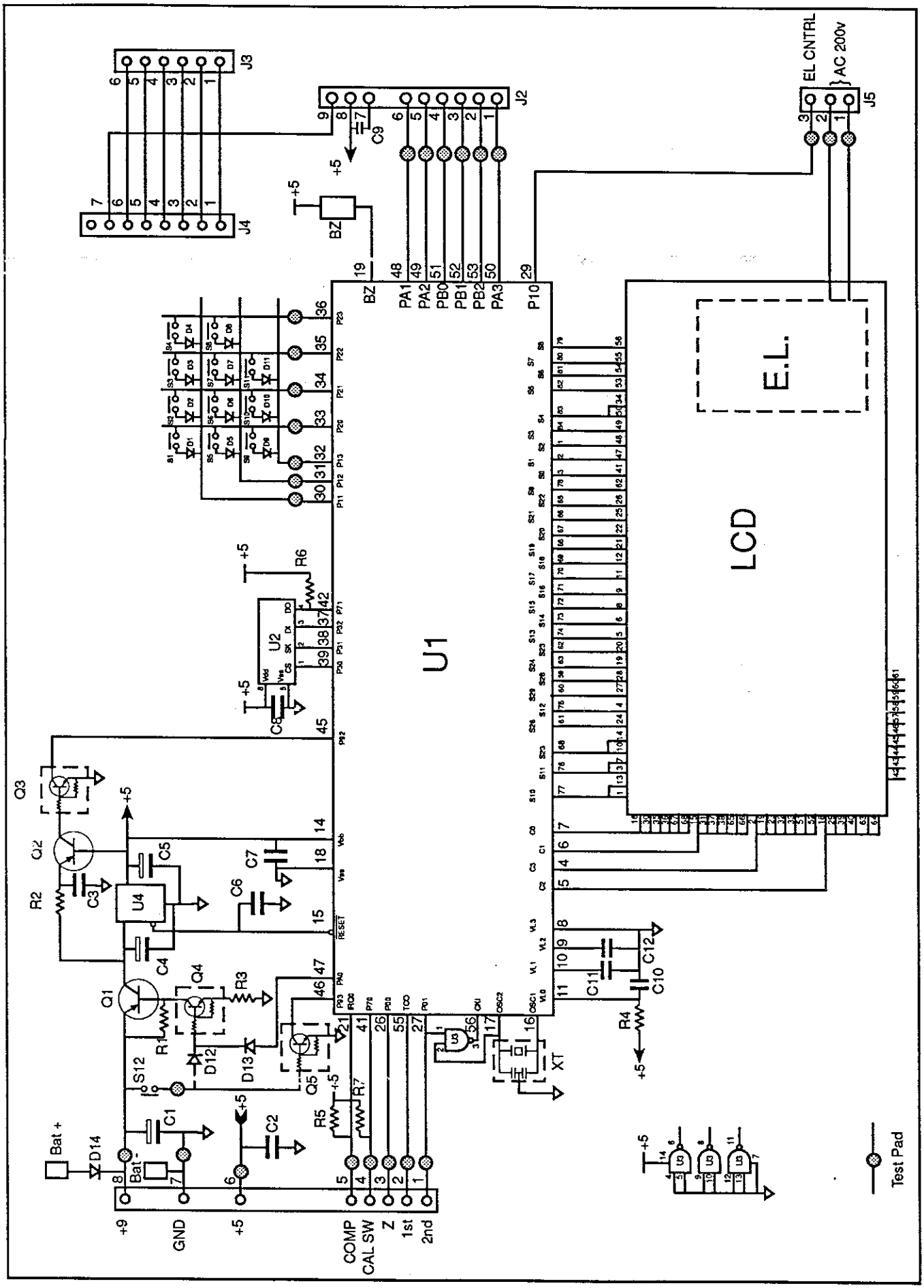
A/D Signal	Comments
1st	First integration signal - Inverts every 5 mS.
2nd	Second integration signal - rises after the first fall and then stays high for a time proportional to the load cell output.
Comp	Comparator output signal - rises with 1st's rise and falls with 2nd's fall.
Z	Zero integration signal - used to check for offset voltage drift of the first stage OP-amp. This signal is normally low. If the weight is stable then the output will be high for 0.4 sec each 3.2 sec.
CAL sw	Normally High. If CAL switch is pressed then signal goes low.
CKI	A/D counter clock input - if 2nd is high then this is a 4MHz clock.

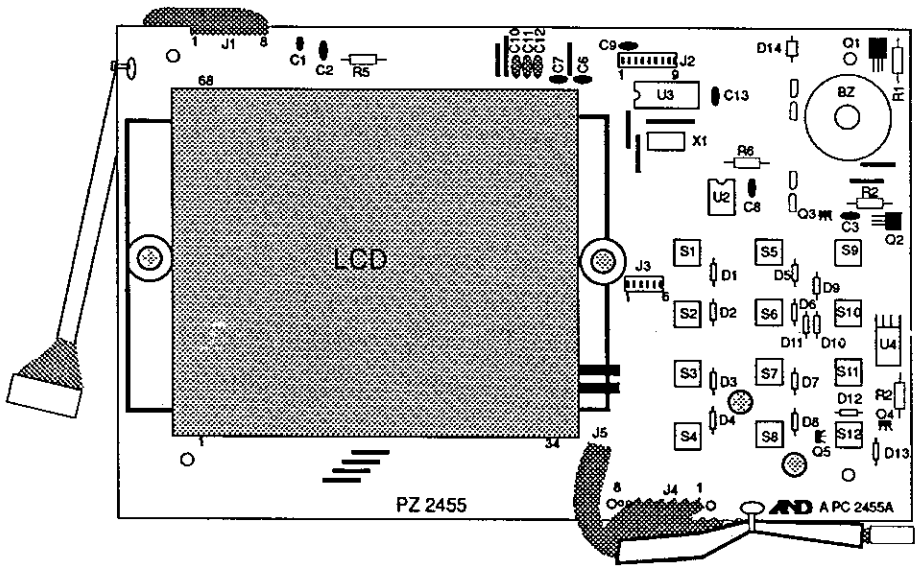


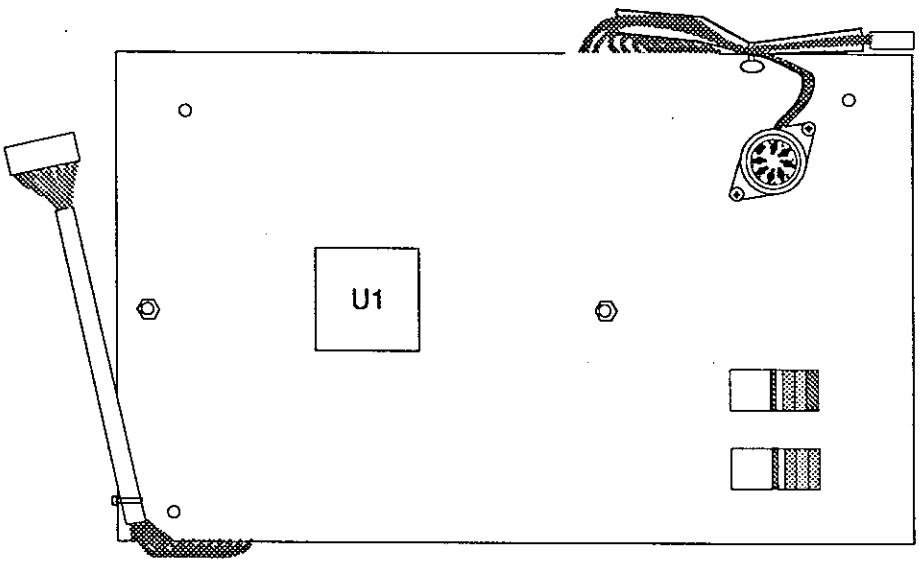


FS Series • Section D

Main Board


J3
J4
J2
J5
EL CNTRL
AC 200v
+5
C9
BZ
PA1
PA2
PB0
PB1
PB2
PA3
P10
U1
LCD
E.L.
U2
R6
C8
Q3
Q2
R2
C3
U4
C5
C7
C6
C4
Q1
Q4
R3
R1
D12
D13
Q5
S12
R7
R5
C1
C2
D14
Bat +
Bat -
XT
C11
C12
C10
R4
Test Pad
+9
GND
+5
COMP
CAL SW
Z
1st
2nd


LCD
PZ 2455
A PC 2455A
J1
J2
J3
J4
J5
U2
U3
U4
BZ
X1
C1
C2
C3
C6
C7
C8
C9
C10
C11
C12
C13
R1
R2
R5
R6
Q1
Q2
Q3
Q4
Q5
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12


U1

COMPONENT LIST

Circuit Reference	Part Number
U1	UC:MN158851-XWA
U2	UC:RP93C46
U3	UC:HC00
U4	UR:C2255H
Q1,Q2	QT:A1015Y
Q3,Q4,Q5	QT:BAIL4M
D1 to D13	DI:ISS133
D14	DI:AL01Z
S1 to S12	SK:TMI-01/0010
XT	XT:EFO-FC4004A3
BZ	ET:KBS-20DB-4P-0
LCD	ED:FRD-10289
EL	ED:ELD503-W *
R1,R5,R6	RC:NAT100K
R2,R4	RC:NAT4.7K
R3	RC:NAT5.6K
R7	RC:NAT47K
C1,C4	CT:IVR33
C2,C3,C6 to C9	CC:FK16Y5V1H104
C5	CK:SXE25VB10
C10,C11,C12	CC:0.01u
J1	KO:440-8S15
J2	JT:174074-9
J3	JT:174074-6

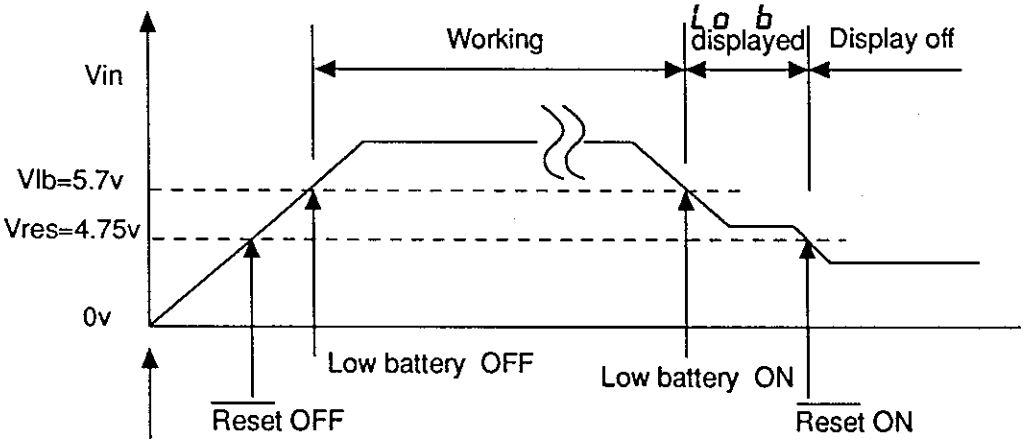
* FS-B ONLY *

Description of Operation

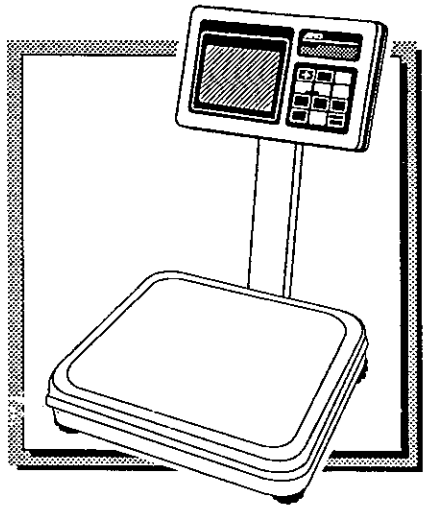
General

This board contains the microprocessor, the Liquid Crystal Display, the Operator Keyboard and the Power Supply circuitry.

The processor, U1, will normally be OFF and the scale will be using minimal power. When the ON/OFF key, S12, is pressed transistor Q5 will turn ON and provide a LO input to the processor at pin 46. Transistors Q4 and Q1 will turn ON and regulator U4 will provide power to the processor while the button is pressed. When the button is released the power will be held on by an output from the processor on pin 47. U4, in conjunction with C6, provides a reset signal to pin 15. Transistors Q2 and Q3 detect the voltage difference between Vin and Vout of U4. If this difference is less than 0.7v then Q3 provides a low battery signal to the processor on pin 45.
The E^2PROM, U2, provides non-volatile memory for calibration data etc.
The NAND gate, U3(a), allows the processor to count clock pulses, via the CKI input, during the second stage of the A to D conversion.
The keypad input is read as a 3 x 4 matrix by the processor.
The buzzer BZ is sounded by a 4096 Hz clock on pin 19.
An output from the processor, on pin 29, is used to switch the backlighting on and off (FS-B models only).



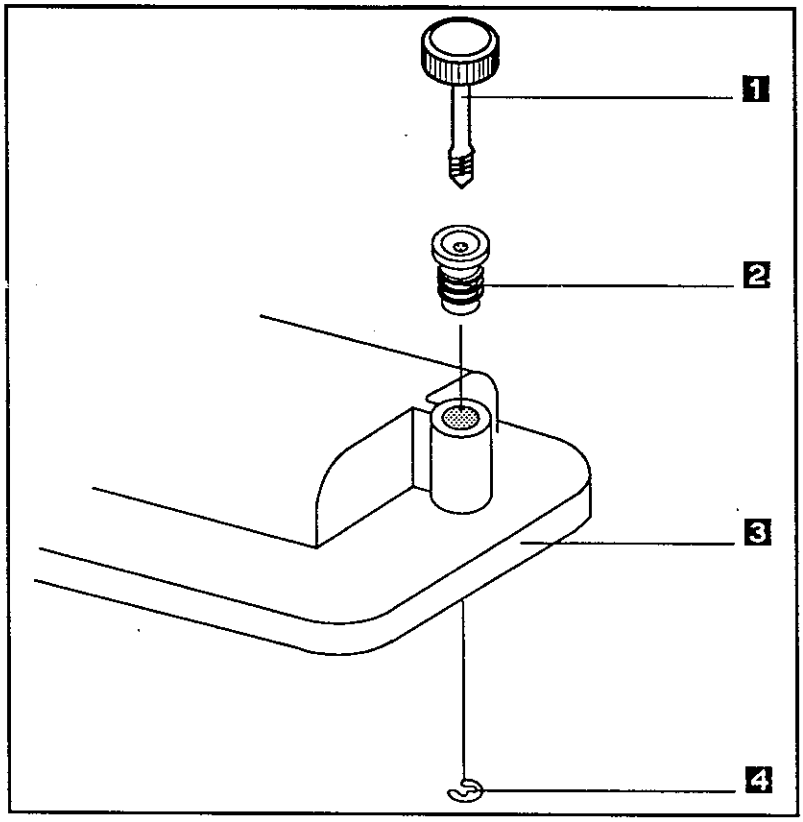
Vin = 6.5 to 12 volts
Vout = 5.0 +/- 0.25 volts
Vres = Vo -0.25 +/- 0.05 volts
Vlb = Vo+0.7+/- 0.01 volts



FS Series • Section E

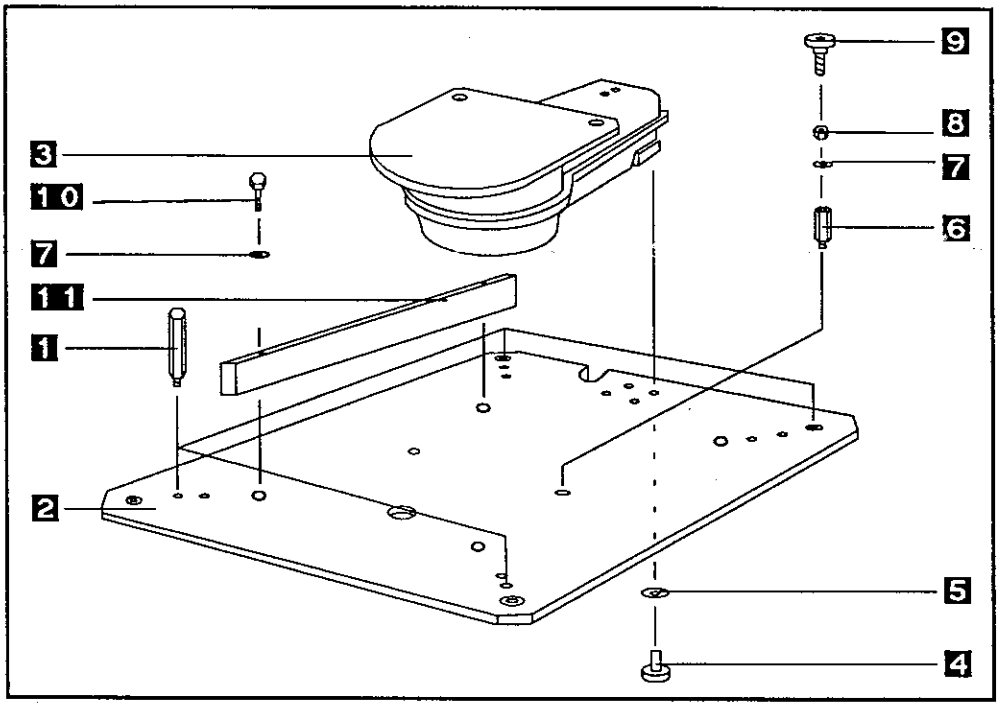
Parts Locate

Battery Box Assembly



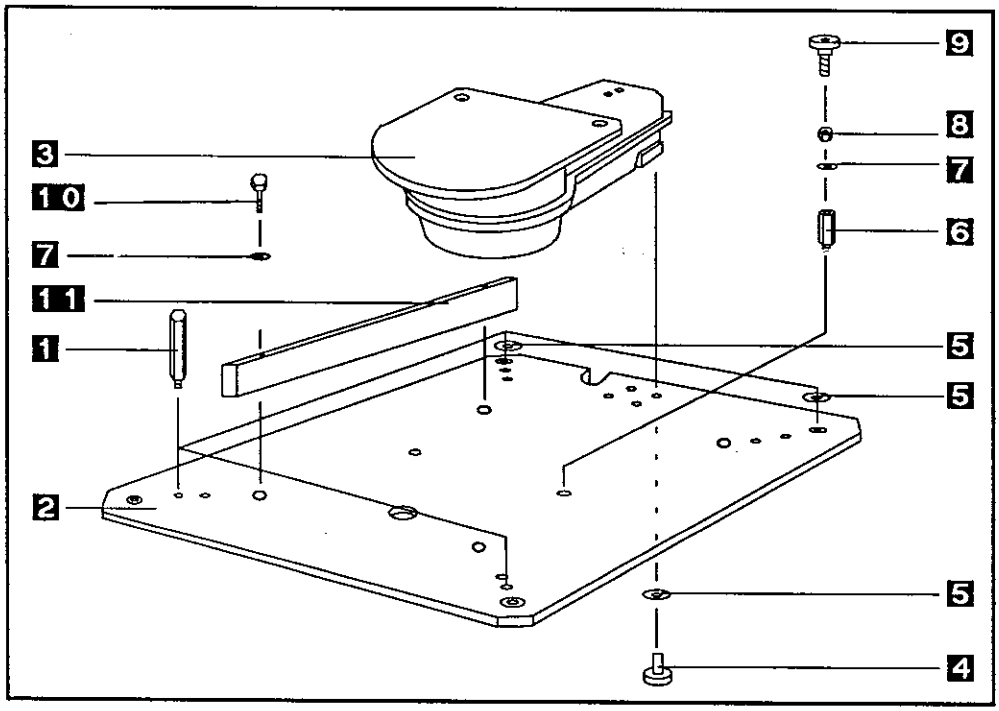
REF.	Part Number	Description
1	MC27051.005	Battery Box Screw
2	MM27048.021	Battery Box Screw Spacer
3	MC27024.020	BATTERY Box
4	MA10:ECLIP	E Clip - FS Battery Box

FS-6kg Baseplate Assembly



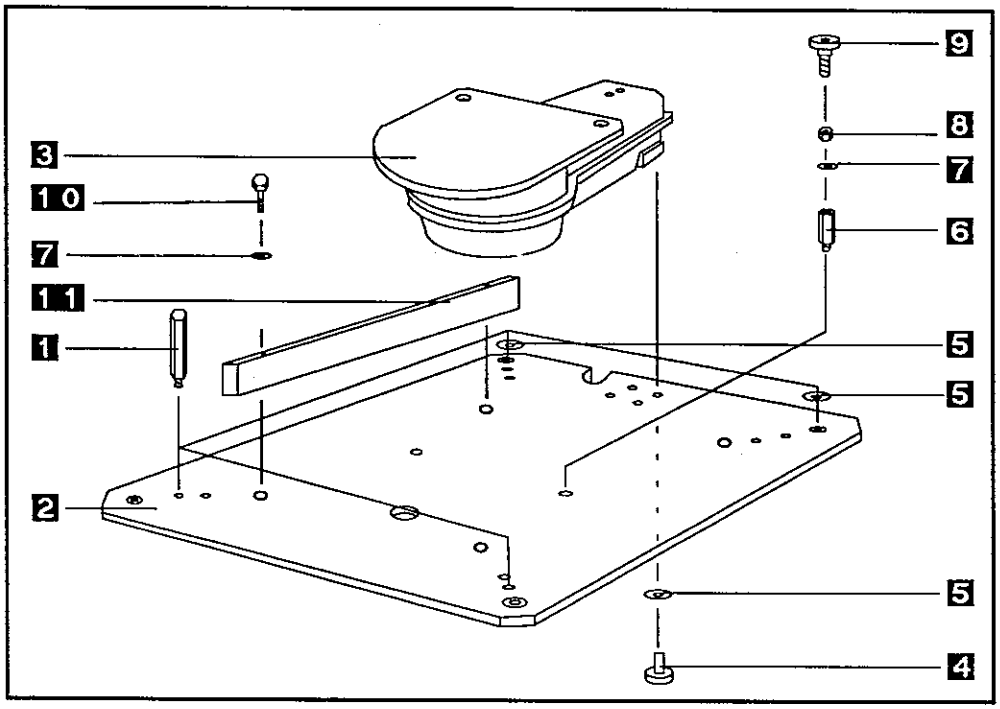
REF.	Part Number	Description
1	MC07624.005	Corner Overload Stop -6 kg
2	MM07609.000	Base Plate Complete With Nutserts
3	05035100	Load Cell FS-LC6k
4	FSM060001	M6 x 30mm Skt Hd Cap Screw S/S
5	FWM060002	M6 Washer - 14mm OD x 1.2mm S/S
6	MC07661.005	Centre Overload Stop - Female
7	FWM050001	M5 Washer - 11.5mm OD x 0.8mm S/S
8	FNM050001	M5 Full Nut : S/S
9	MC07629.005	Centre Overload Screw - Male

FS-15kg Baseplate Assembly



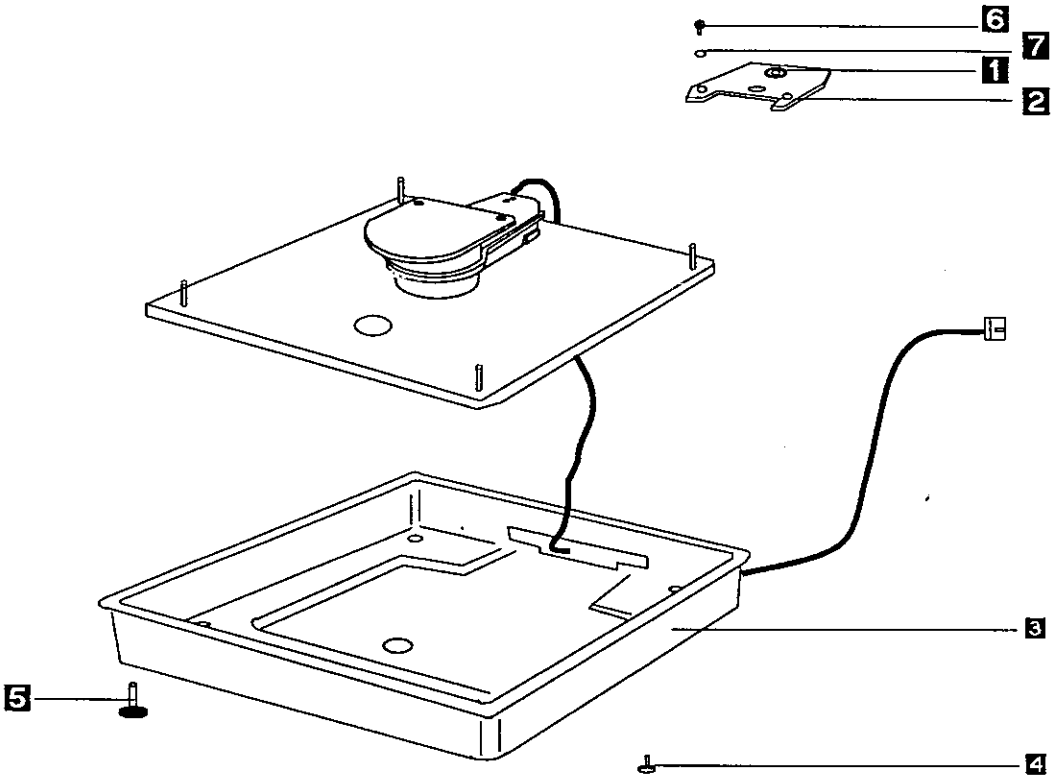
REF.	Part Number	Description
1	MC07625.005	Corner Overload Stop - 15 kg
2	MM07609.000	Base Plate Complete With Nutserts
3	05035200	Load Cell FS-LC15k
4	FSM060001	M6 x 30mm Skt Hd Cap Screw S/S
5	FWM060002	M6 Washer - 14mm OD x 1.2mm S/S
6	MC07662.005	Centre Overload Stop - Female
7	FWM050001	M5 Washer - 11.5mm OD x 0.8mm S/S
8	FNM050001	M5 Full Nut : S/S
9	MC07629.005	Centre Overload Screw - Male

FS- 30kg Baseplate Assembly



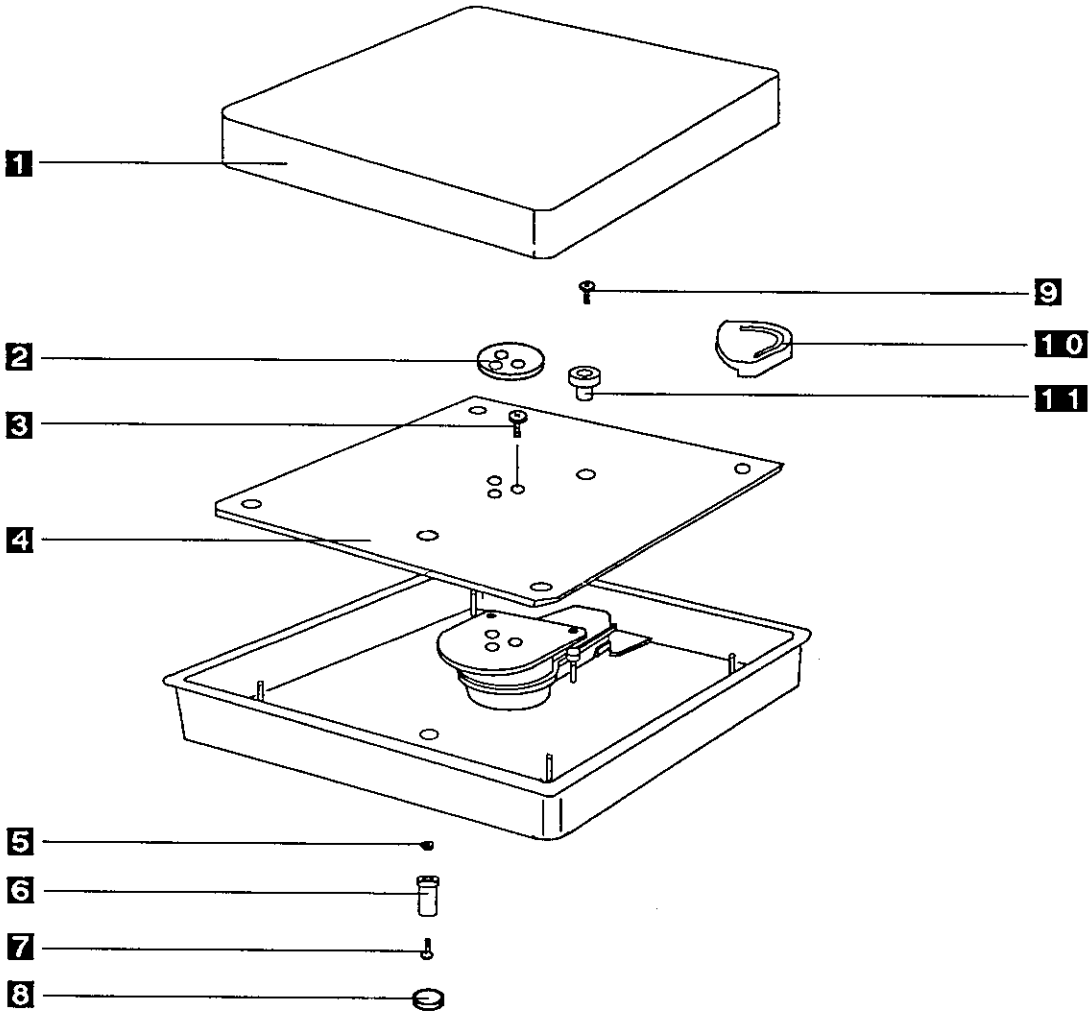
REF.	Part Number	Description
1	MC07626.005	Corner Overload Stop - 30 kg
2	MM07609.000	Base Plate Complete With Nutserts
3	05035300	Load Cell FS-LC30k
4	FSM060001	M6 x 30mm Skt Hd Cap Screw S/S
5	FWM060002	M6 Washer - 14mm OD x 1.2mm S/S
6	MC07662.005	Centre Overload Stop - Female
7	FWM050001	M5 Washer - 11.5mm OD x 0.8mm S/S
8	FNM050001	M5 Full Nut : S/S
9	MC07629.005	Centre Overload Screw - Male
10	FWM050001	M5 x 25 Bolt
11		Reinforcement Bar

Base Cover Assembly



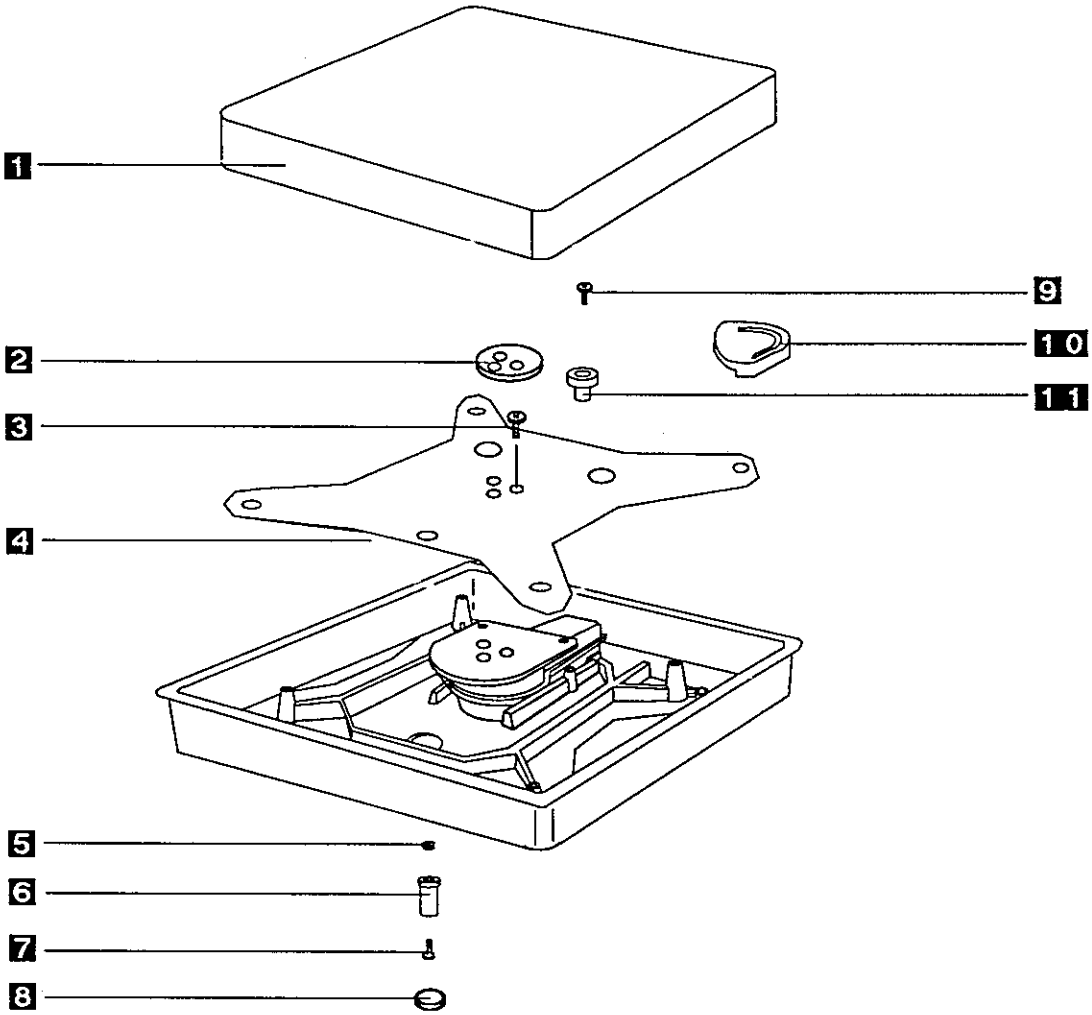
REF.	Part Number	Description
1	MM07635.000	Level Vial Assembly
2	MM07618.005	Column Support Bracket : Complete
3	MC07606.005	Base Cover
4	FSM040002	M4 x 6 mm Pan Head Screw
5	MA07:B48285	Foot Screw (M8)
6	FSM060002	M6 x 12 mm Skt Head Cap Screw
7	FWM060003	M6 Washer - Spring S / S

Load Pan Assembly



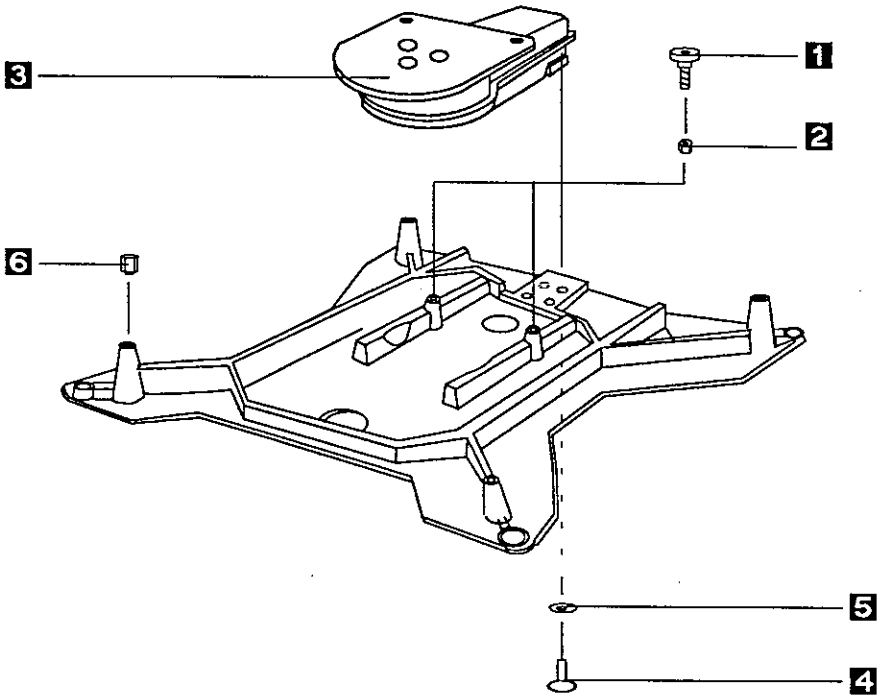
REF.	Part Number	Description
1	MC07669.005	Platform
2	MC07654.021	Centre Pad
3	FSM060003	M6 x 35 CSK Skt Head Screw : S / S
4	MC07642.014	Platform Support Plate
5	FNM030001	M3 Full Nut : S / S
6	MC07666.020	Screw Guide
7	FSM030001	M3 x 10 mm Pan Head X/Rec Mt Screw : S/S
8	MA10:NO.5601	Cap Grommet (MG-1)
9	FSM040003	M4 x 12mm Csk Head X/Rec Mt Screw : S/S
10	MC07651.021	Corner Pad
11 *	MC07661.005	Centre Overload Stop - FS6K
11 *	MC07662.005	Centre Overload Stop - FS15K / FS30K
		* Select For Scale Capacity

Load Pan Assembly - Casting



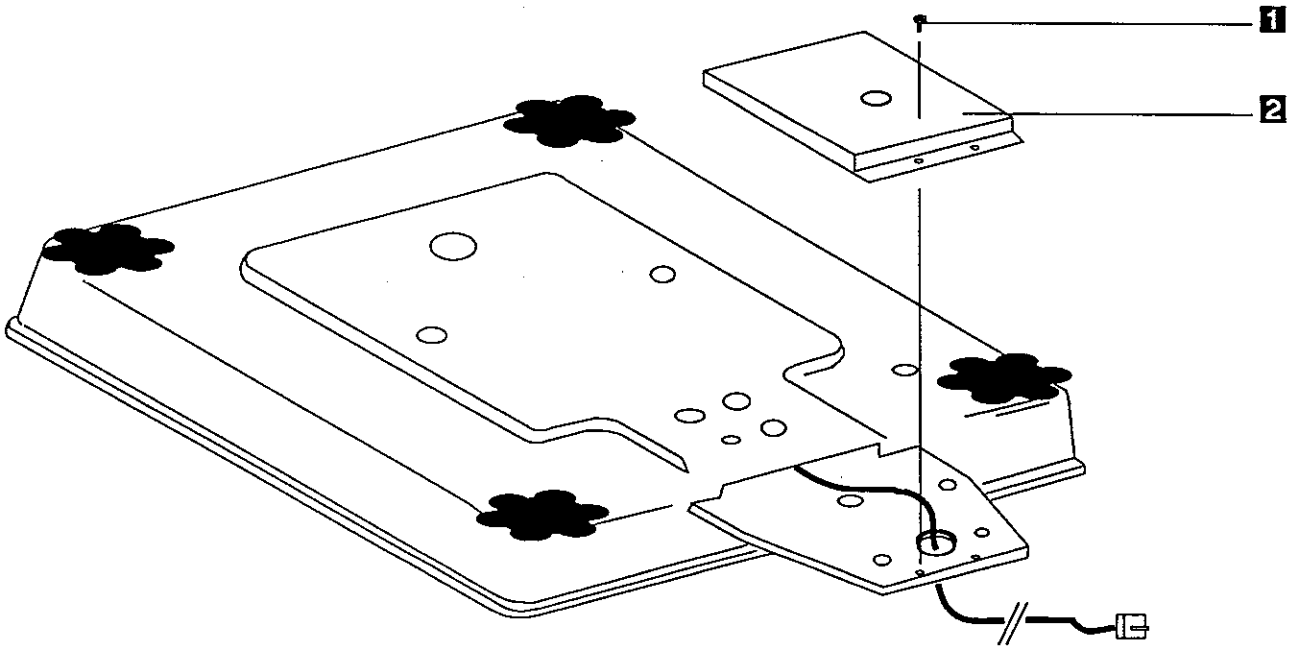
REF.	Part Number	Description
1	MC07669.005	Platform
2	MC07654.021	Centre Pad
3	FSM060003	M6 x 35 CSK Skt Head Screw : S / S
4	MC07642.014	Platform Support Plate
5	FNM030001	M3 Full Nut : S / S
6	MC07666.020	Screw Guide
7	FSM030001	M3 x 10 mm Pan Head X/Rec Mt Screw : S/S
8	MA10:NO.5601	Cap Grommet (MG-1)
9 !	FSM040003	M4 x 12mm Csk Head X/Rec Mt Screw : S/S
10	MC07651.021	Corner Pad
11 ! *	MC07661.005	Centre Overload Stop - FS6K
11 ! *	MC07662.005	Centre Overload Stop - FS15K / FS30K
		* Select For Scale Capacity.

Base Plate Assembly - Casting



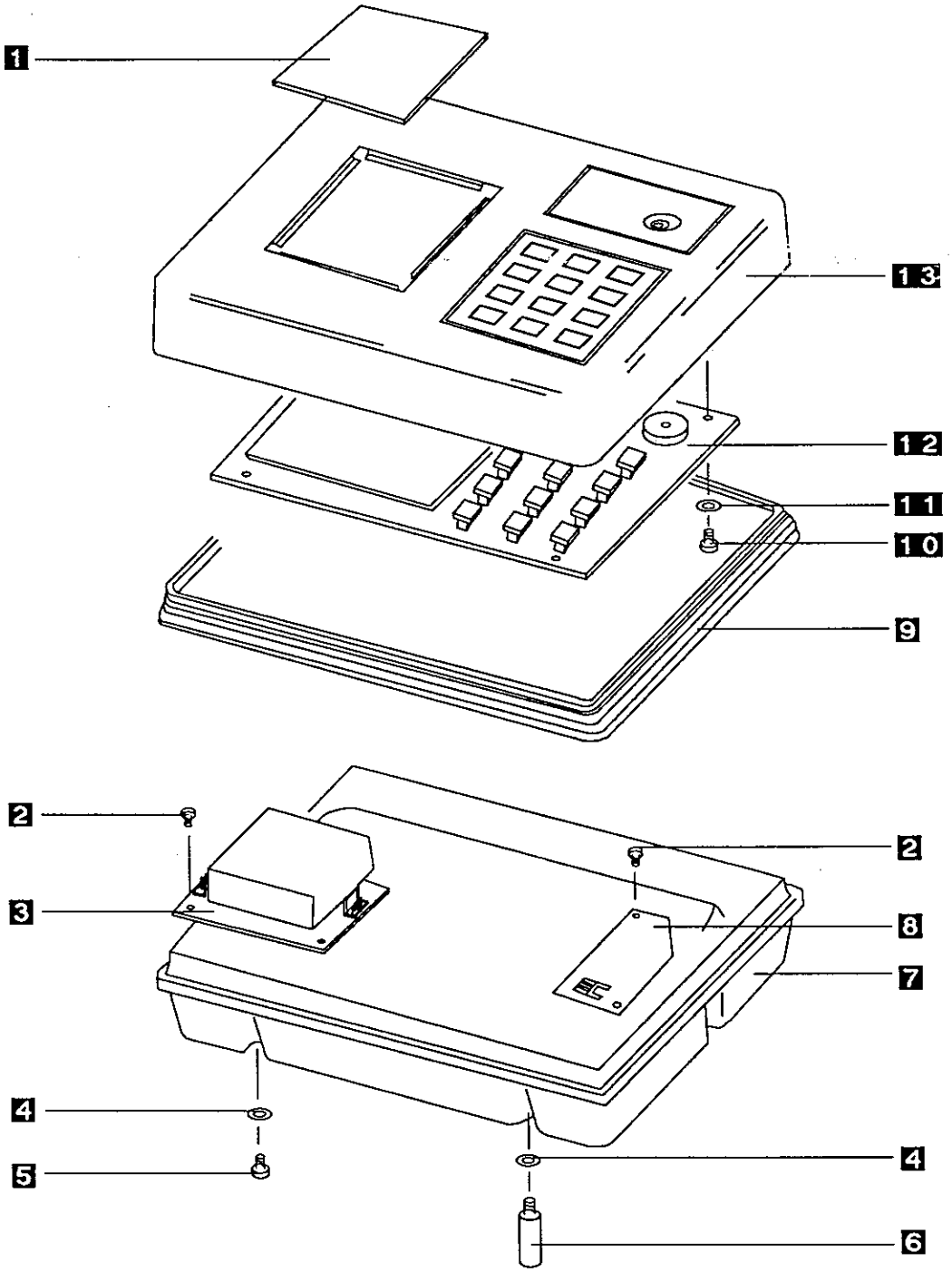
REF.	Part Number	Description
1	MC07629.005	Centre Overload Scew - Male
2	FNM050001	M5 Full Nut - S/S
3 *	05035100	Loadcell FS - LC6k
3 *	05035200	Loadcell FS - LC15k
3 *	05035300	Loadcell FS - LC30k
4	FSM060001	M6 x 30mm Skt. Hd. Cap Screw S/S
5	FWM060002	M6 Washer - 14mm OD x 1.2mm S/S
6 *	MC07624.005	Cornerload Stop - 6kg
6 *	MC07625.005	Cornerload Stop - 15kg
6 *	MC07626.005	Cornerload Stop - 30kg
		* Select according to scale capacity

Cable Cover Assembly



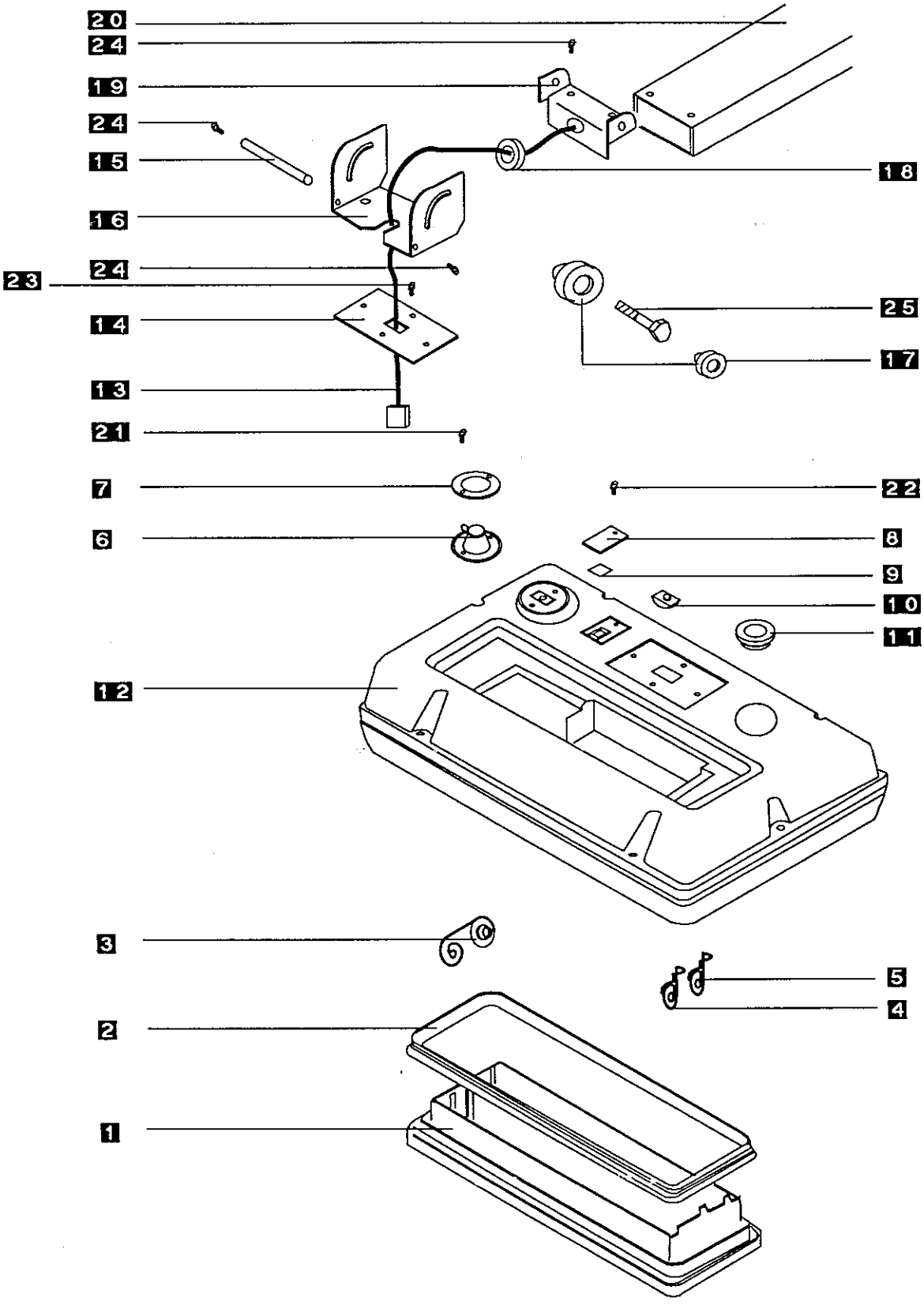
REF.	Part Number	Description
1	FSM030002	M3 x 5 mm Pan Head X/Rec M/T Screw : S/S
2	MM07620.005	Cable Cover With Nutsert

Indicator Pod Assembly

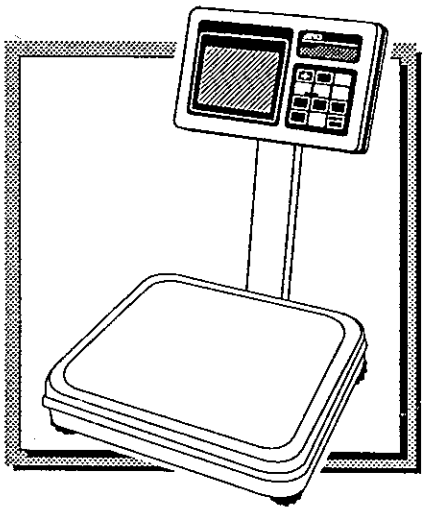


REF.	Part Number	Description
1	MC27080.020	Display Window
2	FSI04AB0001	4AB x 1/4" Pan Head X/Rec S/T Screw :ZP
3	EA7PZ:2457	Analog Board
4	MC27084.021	O Ring
5	FSM030010	M3 x 8 mm Mush Head X/Rec MT Screw : S/S
6	MC27062.005	Sealing Screw - Long
7	MC27021.020	Under Case
8	EA7PZ:2458	Power Board - 'B' type only
9	MC27059.021	Upper Case Seal
10	FSM030003	M3 x 6 mm Pan Head X/Rec MT Screw : ZP
11	FWI01080001	M3 Spring Washer
12	EA7PZ:2455A	Main Board for FS - A *
	EA7PZ:2455B	Main Board for FS - B *
13	MC27054.000	Upper Case Unit
		* Select According To Model

Indicator Assembly



REF.	Part Number	Description
1	MC27024.020	Battery Box
2	MC27027.021	Battery Box Seal
3	MA04:B47799	Twin Coil Spring
4	MA04:B47801A	Coil Spring (-)
5	MA04:B47800A	Coil Spring (+)
6	MC27030.021	Cable Boot
7	MC27033.005	Boot Retaining Plate
8	MC27036.005	Cal Switch Cover
9	MC50347.000	Cal Switch Seal
10	MC11517.021	Cable Grommet
11	MC27045.021	Cap
12	MC27021.020	Under Case
13		Load Cell Cable
14	MC11519.005	Grommet Retaining Plate
15	MC11510.005	Indicator Bracket Axis
16	MC11513.005	Indicator Bracket
* 17	MA10:SK-34	Screw Knob
18	MA10:NO.5602	Cap Grommet (MG-2)
19	MM11504.000	Column Cap Complete With Nutserts
20	MC11501.005	Column - FS
21	FSM030005	M3 x 8 mm Self Tapping Screw
22	MC27065.005	Sealing Screw - Short
23	FSM040004	M4 x 8 mm Csk Head X/Rec MT Screw :S/S
24	FSM040005	M4 x 8 mm Pan Head X/Rec MT Screw :S/S
* 25	FSM060004	M6 x 16 mm Hex Head Set Screw :S/S
		* Later models these parts combined



FS Series • Section F

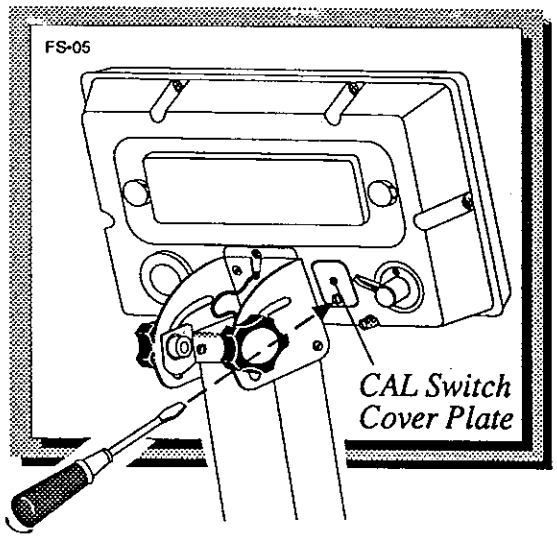
Initialisation

Characteristic Settings

The FS scale may be set up to suit differing market requirements by use of the characteristic [functions.

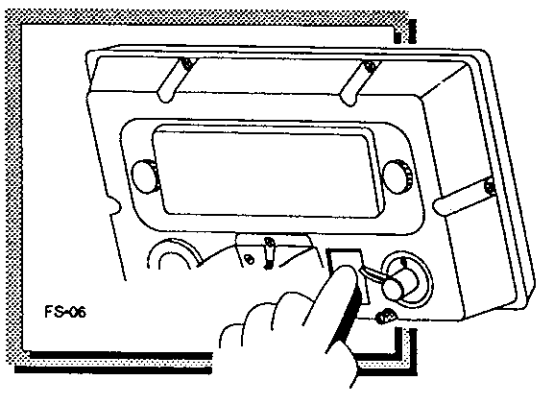
To amend the settings use the procedure below.

1



▶ Locate and remove the CAL switch cover

2

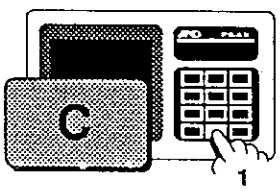


▶ Press the [CAL] switch.

○ The display will show

[kg

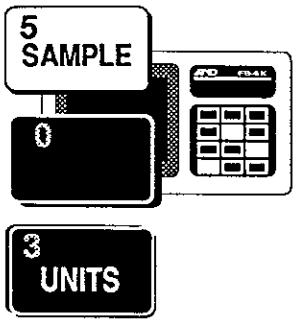
3



▶ Press the [C] key.

○ The kg will disappear from the display.

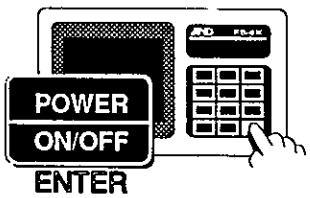
4



▶ Press the [5], [0], [3] keys in turn.

○ The weight display will show 503.

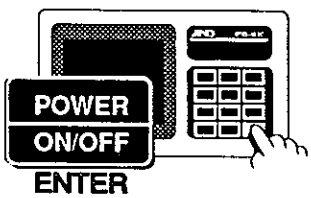
5



▶ Press the [POWER ON/OFF] key.

○ The display will show C 1 0.

6



▶ Use the numeric keys to set the required value - see the table below, and press the [POWER ON/OFF] key.

○ The display will show C 2 0.

▶ Continue in this way until all the C funtions have been set.

The Characteristic Settings

C 1	Model Selection.
C 2	Metric / Imperial Selection.
C 3	Must be set to 2
C 4	Must be set to 0
C 5	Must be set to 0
C 6	Country Code.

C1 Capacity

This characteristic sets the scale capacity or allows selection of the Test Mode.

0	FS 6K
1	FS 15K
2	FS 30K
3	Test Mode

C2 Metric / Imperial

This characteristic sets the scale measurement unit.

0	Metric
1	Imperial

C3 Factory Only Facilities

This characteristic must be set to 2.

0	**Factory Use Only**
1	**Factory Use Only**
2	This value must be selected
3	**Factory Use Only**

C4 Factory Only Facilities

This characteristic must be set to 0.

0	This value must be selected
1	**Factory Use Only**

C5 Factory Only Facilities

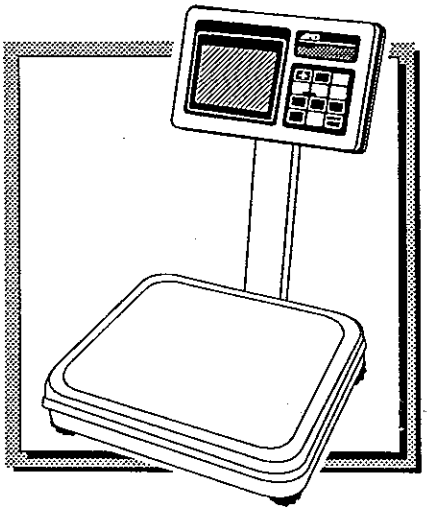
This characteristic must be set to 0.

0	This value must be selected
1	**Factory Use Only**

C6 Country Selection

This characteristic sets the scale to match the local market requirements.

0	Japan / U.S.A.
1	Australia
2	Europe



FS Series • Section G

Recommended Spare Parts

Distributor Items

Qty.	Part Number	Description
1	05035100	Load Cell FS-LC6k
1	05035200	Load Cell FS-LC15k
1	05035100	Load Cell FS-LC30k
3	MC27024.020	Battery Box
5	MC27027.021	Battery Box Seal
3	MC27030.021	Cable Boot
1	MC27035.005	Boot Retaining Plate
3	MC27036.005	Calibration Switch Cover
5	MC27045.021	Cap
5	MC27051.005	Battery Box Screw
5	MC27059.021	Upper Case Seal
5	MC27062.005	Sealing Screw - Long
5	MC27065.005	Sealing Screw - Short
5	MC27080.020	Display Cover
10	MC27084.021	O'Ring BS006
5	MM27048.021	Battery Box Screw Spacer
1	EA7PZ:2455A	Main Board Unit - FSKA
1	EA7PZ:2455B	Main Board Unit - FSKB
1	EA7PZ:2457	Analog Board Unit - FS
1	EA7PZ:2458	Power Board Unit - FSKB
12	ECEB:C-1.5V	Battery - C Size
3	MA10:ECLIP	E Clip - FS Battery box
5	MC07651.021	Corner Pad
2	MC07654.021	Centre Pad
5	MC07666.005	Screw Guide
5	MC11510.005	Indicator Bracket Axis
5	ECFS:EAWK-500	500 mA Fuse

Service Center Items

Qty.	Part Number	Description
2	MC11513.005	Indicator Bracket
10	MC11517.021	Cable Grommet
2	MC11519.005	Grommet Retaining Plate
5	MC11596.000	Spanner Set
2	MC27021.020	Under Case
5	MC27024.020	Battery Box
10	MC27027.021	Battery Box Seal
10	MC27030.021	Cable Boot
2	MC27033.005	Boot Retaining Plate
5	MC27036.005	Cal Switch Cover
10	MC27045.021	Cap
20	MC27051.005	Battery Box Screw
2	MC27054.000	Upper Case Unit
5	MC27059.021	Upper Case Seal
5	MC27062.005	Sealing Screw - Long
5	MC27065.005	Sealing Screw - Short
10	MC27080.020	Display Cover
25	MC27084.021	O'Ring BS006
5	MC50361.000	Label Basework Capacity FS6K
5	MC50363.000	Label Basework Capacity FS15K
5	MC50365.000	Label Basework Capacity FS30K
5	MC50381.000	Label Model Identification FS6KA
5	MC50382.000	Label Model Identification FS6KB
5	MC50386.000	Label Model Identification FS15KA
5	MC50387.000	Label Model Identification FS15KB
5	MC50391.000	Label Model Identification FS30KA
5	MC50392.000	Label Model Identification FS30KB
5	MC50399.000	Label FCC Label
5	MC50431.000	* Label Sheet FS-6K (Metric Version) *
5	MC50432.000	* Label Sheet FS-6KEG (Imperial Version) *
5	MC50433.000	* Label Sheet FS-15K (Metric Version) *
5	MC50434.000	* Label Sheet FS-15KEG (Imperial Version) *
5	MC50435.000	* Label Sheet FS-30K (Metric Version) *
5	MC50436.000	* Label Sheet FS-30KEG (Imperial Version) *
2	MM07609.000	Base Plate Complete With Nutserts
2	MM07618.005	Column Support Bracket : Complete
2	MM07620.000	Cable Cover Complete With Nutserts
2	MM11504.000	Column Cap Complete With Nutserts
20	MM27048.021	Battery Box Screw Spacer
3	05035100	Load Cell FS-LC6K
3	05035200	Load Cell FS-LC15K
3	05035300	Load Cell FS-LC30K
3	EA7PZ:2455A	Main Board Unit - FSKA
3	EA7PZ:2455B	Main Board Unit - FSKB
3	EA7PZ:2457	Analog Board Unit - FS
3	EA7PZ:2458	Power Board Unit - FSKB
60	ECEB:C-1.5V	Battery C-Size
20	FNM050001	M5 Full Nut :S/S - 8mm A/F

20	FSI04AB0001	4AB x 1/4" Pan Head X/Rec S/T Screw :ZP
20	FSI04AB0002	4AB x 3/8" Pan Head X/Rec S/T Screw :S/S
20	FSM030001	M3 x 10mm Pan Head X/Rec MT Screw :S/S
20	FSM030002	M3 x 5mm Pan Head X/Rec MT Screw :S/S
20	FSM030003	M3 x 6mm Pan Head X/Rec MT Screw :ZP
20	FSM030004	M3 x 8mm Pan Head X/Rec MT Screw :S/S
20	FSM030006	M3 x 6mm Csk Head X/Rec MT Screw :ZP
20	FSM040002	M4 x 6mm Pan Head X/Rec MT Screw :S/S
20	FSM040003	M4 x 12mm Csk Head X/Rec MT Screw :S/S
20	FSM040004	M4 x 8mm Csk Head X/Rec MT Screw :S/S
20	FSM040005	M4 x 8mm Pan Head X/Rec MT Screw :S/S
20	FSM060001	M6 x 30mm Skt Head Cap Screw :S/S
20	FSM060002	M6 x 12mm Skt Head Cap Screw :S/S
20	FSM060003	M6 x 35mm Csk Skt Head Screw :S/S
20	FSM060004	M6 x 16mm Hex Head Set Screw :S/S
20	FWI0180001	Washer -1/8" x 1/32" x 1/32" Spring :S/S
20	FWI0180002	Washer - 1/8" Nylon
20	FWI0180003	Washer - 1/8" Flat :S/S
20	FWM050001	M5 Washer - 11.5mm OD x 0.8mm :S/S
20	FWM060002	M6 Washer - 14mm OD x 1.2mm :S/S
20	FWM060003	M6 Washer - Spring :S/S
5	FXM080001	M8 Nutsert
10	MA10:ECLIP	E Clip -FS Battery Box
2	MC07606.005	Base Cover
2	MC07612.114	Base Plate
5	MC07615.005	Base Nutsert
2	MC07618.105	Column Support Bracket
2	MC07621.005	Cable Cover
5	MC07624.005	Corner Overload Stop -FS6K
5	MC07625.005	Corner Overload Stop -FS15K
5	MC07626.005	Corner Overload Stop -FS30K
5	MC07629.005	Center Overload Screw - Male
5	MM07635.000	Level Vial Assembly
2	MC07642.014	Platform Support Plate
20	MC07651.021	Corner Pad
5	MC07654.021	Center Pad
2	MC07661.005	Center Overload Stop -FS6K
2	MC07662.005	Center Overload Stop -FS15K/FS30K
5	MC07666.020	Screw Guide
2	MC07669.005	Platform
2	MC11501.005	Column - FS
5	MC11510.005	Indicator Bracket Axis
20	ECFS:EAWK-500	Fuse 500mA
		* Select According to Country