mono

DEPOSITOR

MARK 9

INSTRUCTION MANUAL

In order to achieve smooth production and trouble free performance, it is recommended that the information given in this manual is studied before any operation is carried out.

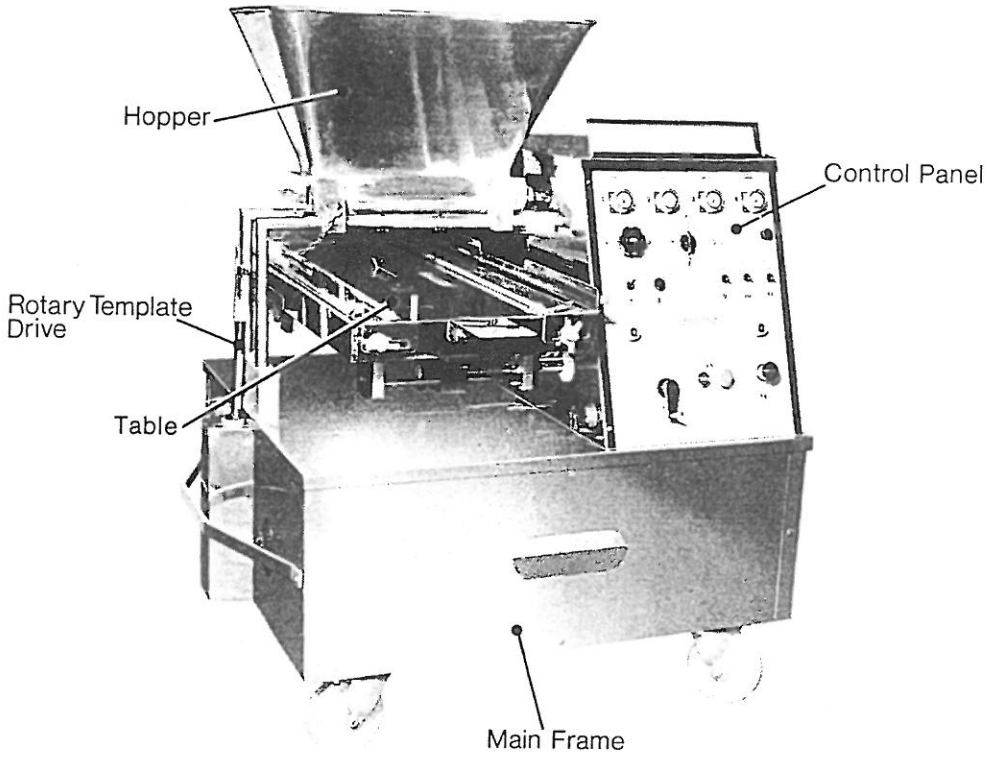
Delivery

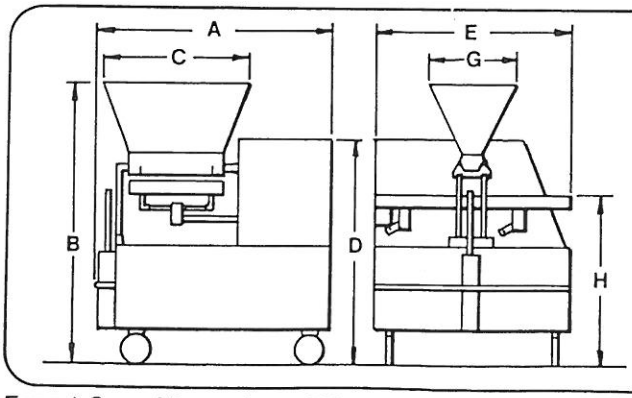
When the Depositor is received, check the packing case and unit for any damage in transit. Should there be any damage, notify the carriers immediately with a copy to Mono Equipment Ltd.,

Installation

Ensure that the depositor is connected to the correct supply as specified on machine.

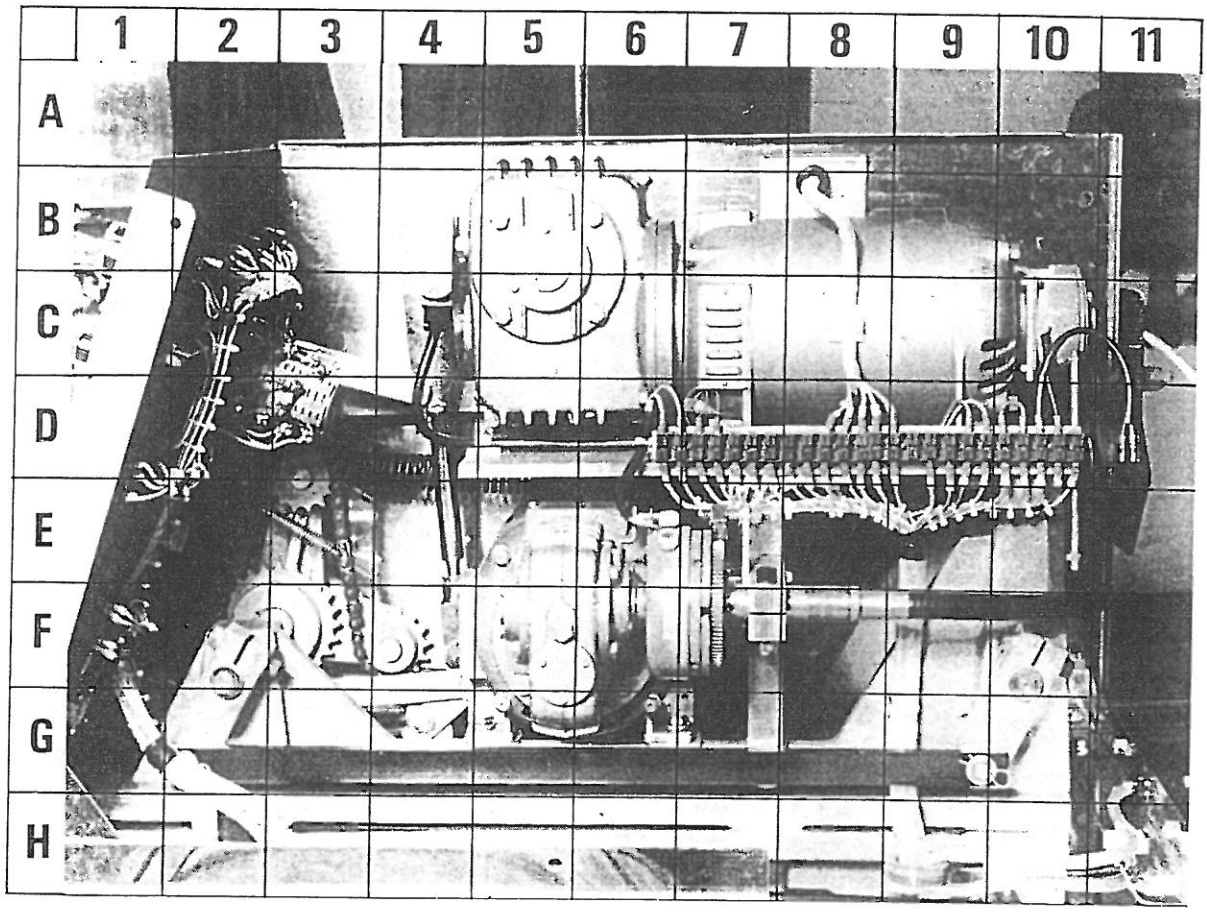
VOLTS	CYCLES	KILO WATTS	SUPPLY
220/240	50/60	2.5	13A PLUG





Dimensions	cm	in
A	110	44
B	133	53
C	69	27
D	108	43
E	92	36
G	41	16
H	87	34

Export Case Dimensions 132 cm x 112 cm x 167 cm
Gross Weight 490 Kg - 1080 lbs. Net Weight 350 Kg - 772 lbs
Serial No.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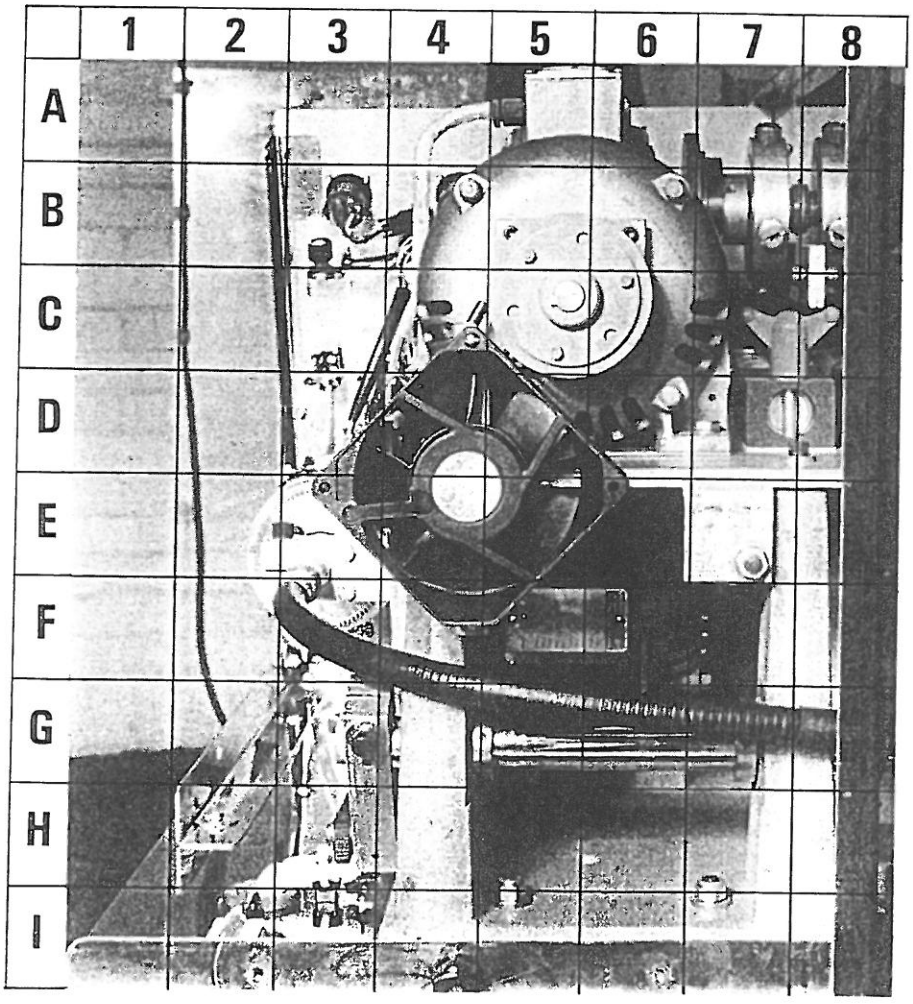
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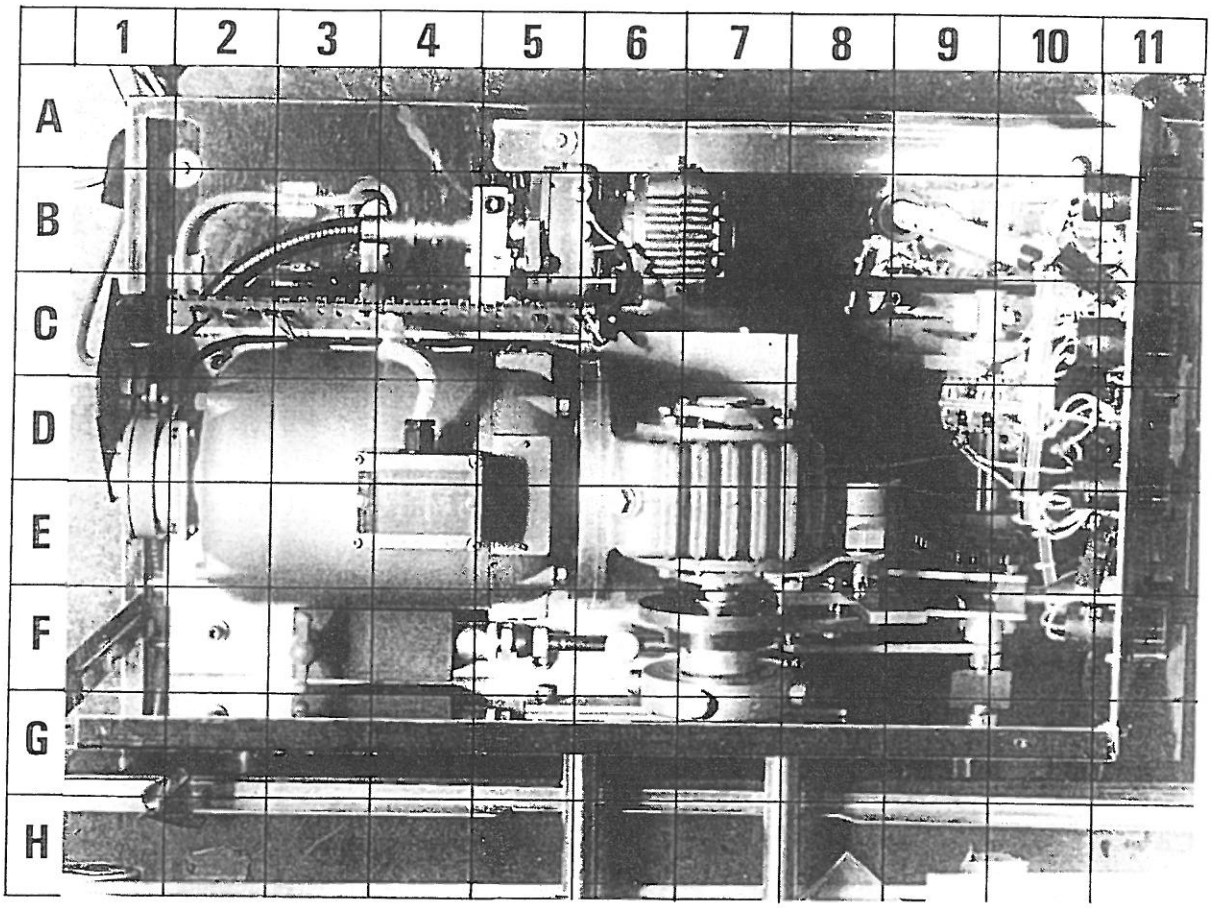
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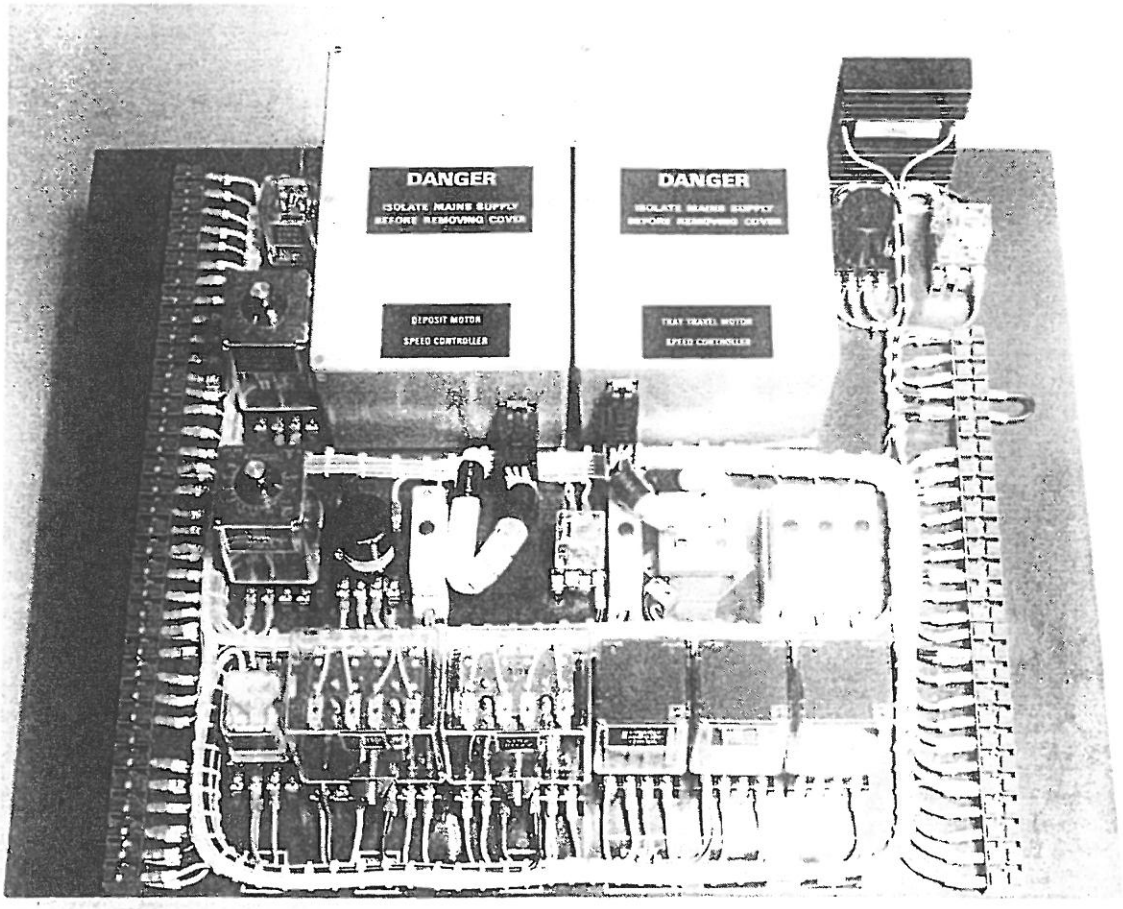
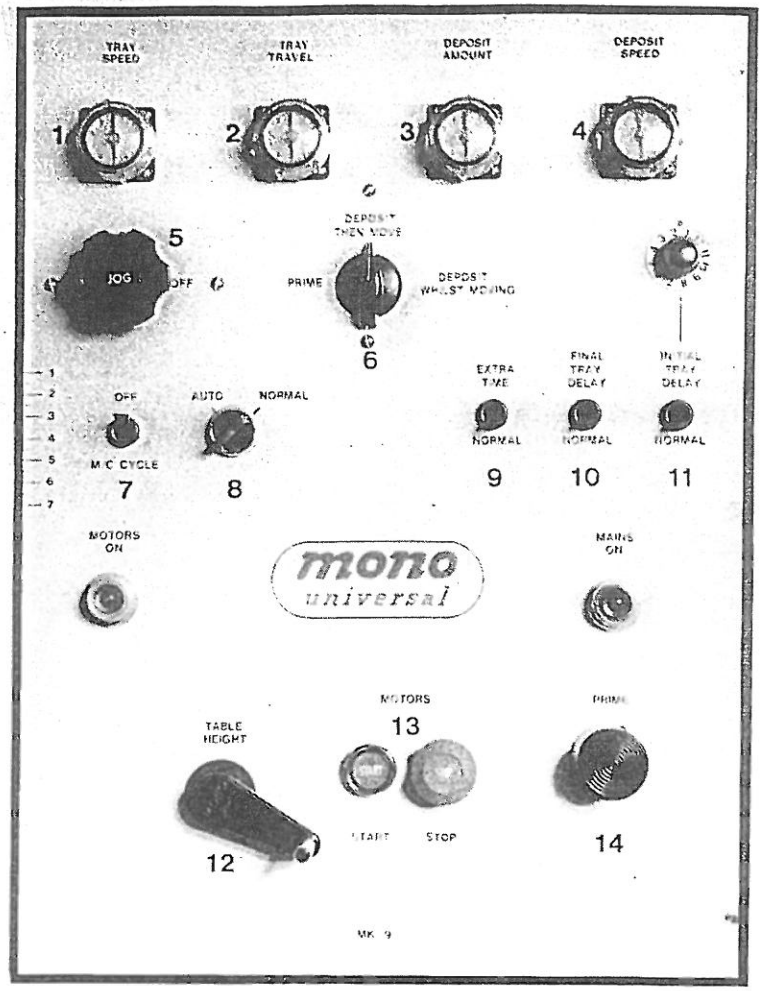

DANGER
ISOLATE MAINS SUPPLY
BEFORE REMOVING COVER
DEPOSIT MOTOR
SPEED CONTROLLER
DANGER
TRAY TRAVEL MOTOR
SPEED CONTROLLER



No.	NAME	FUNCTION
1.	Tray speed	Controls speed of tray through machine
2.	Tray travel	Varies gap between each deposit
3.	Deposit amount	Varies amount of time pump is depositing
4.	Deposit speed	Varies pump speed to suit nature of product
5.	Jog	When jog is engaged it lowers the tray between each deposit to give break between nozzle and product.
6.	Prime	Te expel air from pump gears (also aids in connecting hopper drive.)
	Deposit then move	For circular products such as cup-cakes, cream buns etc.
	Deposit whilst moving	For elongated products such as fingers, eclairs, sheeting etc.
7.	Off/ M/C cycle	Start Machine cycle
8.	Auto/Normal Switch	This switch set to normal when operating m/c manually with control No. 7. If m/c fitted with automatic tray sensor, setting this control to auto will start m/c automatically when baking tray is placed on table **(N.B. Tray sensor fitted only if specifically requested).**
9	Extra time/ Normal switch	When set in extra time this control allows approx. an additional 10 seconds to the time set on the Deposit Amount dial (Control No. 3) Extra time would only be used when sheeting. For other products, set switch to normal position.
10.	Final Tray Delay	Prevents tailing of product at end of deposit. This delay is pre-set at the factory
11.	Initial Tray Delay	Provides an initial delay to the tray ensuring that mix fills the leading edge of tray before it moves forward. This delay can be varied on the numbered dial positioned above the toggle switch. Also used for rounding front edge on eclairs and finger sponge drops.
12.	Table Height Handle	Table height can be adjusted by turning handle anti-clockwise to raise and clockwise to lower. A reference scale is located to the left of switch No. 7. It is important to set the table to the correct height in order to produce a good shaped product.
13.	Motor switches	A neon light will indicate when motors are running
14.	Prime	This control is to be used with Control No. 6 set to Prime Position. Depress knob to carry out two essential operations : (a) To allow the hopper to be pushed forward so that the female drive gear can be engaged. (b) To expel air from pump chamber and nozzles prior to production.

Setting the Depositor

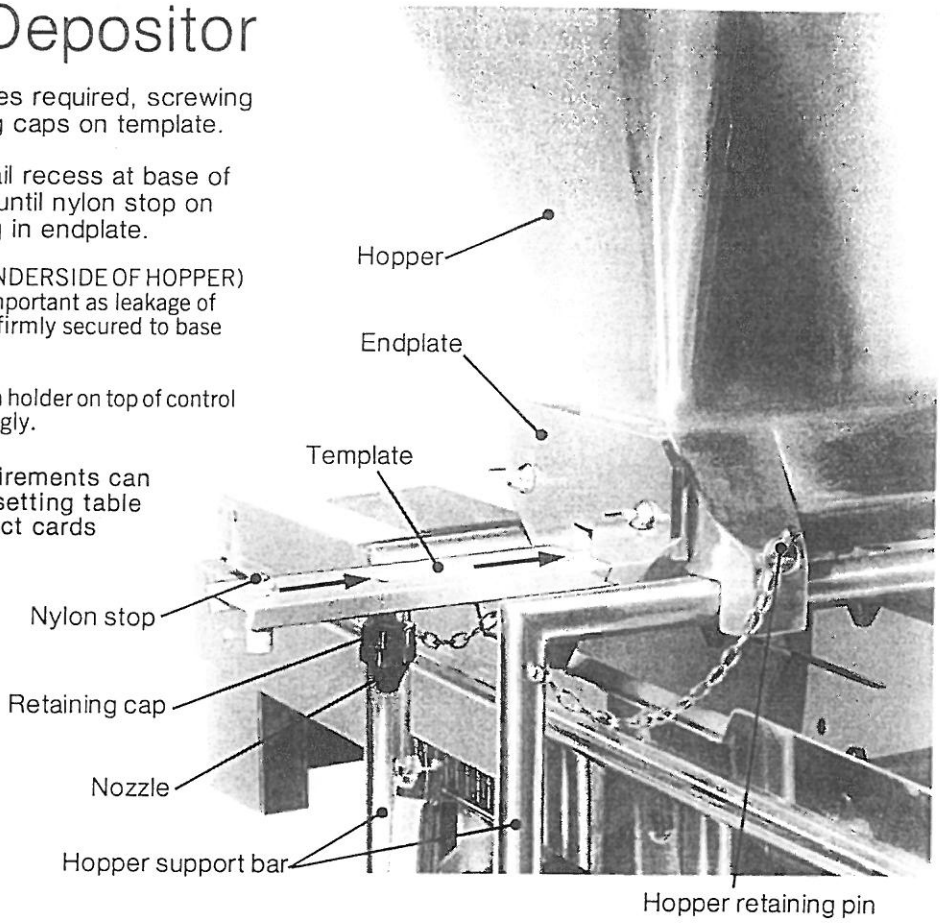
Select template and nozzles required, screwing nozzles into threaded retaining caps on template.

Place template into dovetail recess at base of hopper and push firmly home until nylon stop on template engages into housing in endplate.

TIGHTEN WING NUTS (ON UNDERSIDE OF HOPPER) TO SECURE TEMPLATE (this is important as leakage of mix could occur if template is not firmly secured to base of hopper).

Select required product card in holder on top of control panel and adjust controls accordingly.

Customers individual requirements can be recorded in the customers setting table provided or on the blank product cards supplied with the machine.

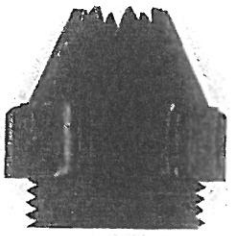


Product Control Average Setting

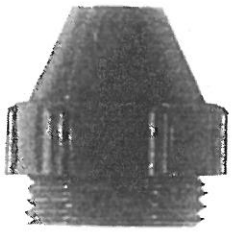
The settings shown below are sample settings only, and could vary with consistency of mix.

	MERINGUE RINGS	GENOESE (full flat sheet)	ECLAIRS	SWISS ROLL	VIENNESE FINGERS	VIENNESE SHELL	PUFFS (choux paste)	QUEEN CAKES	SPONGES	COOKIES
Average weight		7 lb		2¼				1 oz.	5 oz.	
Tray speed	899	185	167	170	110	150	820	750	900	763
Tray travel	103	583	000	210	000	10	70	40	130	63
Tray delay	15	10	8	7	8	14	14	13	16	12
Deposit then move	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes
Deposit whilst moving	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No
Deposit amount	228	530	266	120	90	135	229	123	600	175
Deposit speed	380	800	26	520	500	351	26	525	250	340
Nozzle plain	No	No	Yes	No	No	No	No	Yes	No	Yes
Nozzle star	Offset Yes	No	No	No	Yes	Yes	Yes	No	No	No
Table height ins.	4	1	1	1½	1½	2½	1½	2	4	1
Jog	ON	ON	ON	ON	ON	OFF	ON	ON	ON	ON
Template	5	⅝ slot	6	¼ slot	6	6	4	6	stg. 3	6
Initial tray delay setting	No	2	3	2½	3	1	No	No	No	No
Final tray delay	No	No	Yes	No	Yes	No	No	No	No	No
Extra time	No	No	No	Yes	No	No	No	No	No	No
Normal	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto	No	No	No	No	No	No	No	No	No	No
Rotary speed	6	No	No	No	No	No	No	No	No	No
Heated hopper temperature	No	No	No	No	No	No	No	No	No	No

Templates and Nozzles



Star



Plain

8 across

7 across

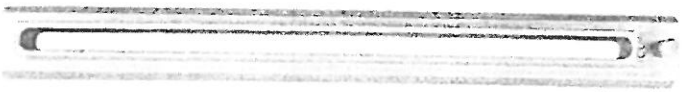
6 across

5 across

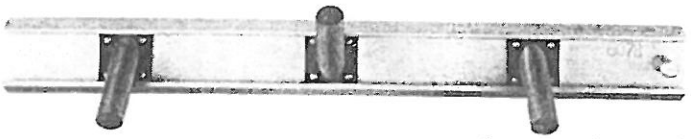
4 across

3 across

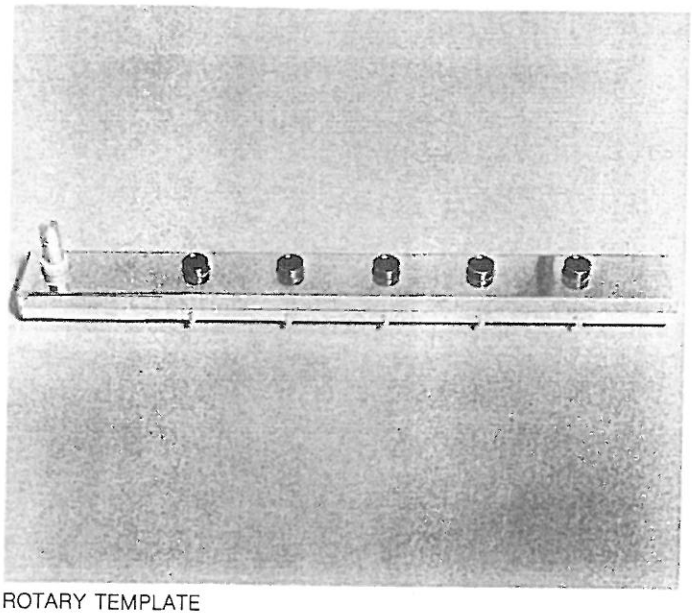
¼" slotted



½" slotted

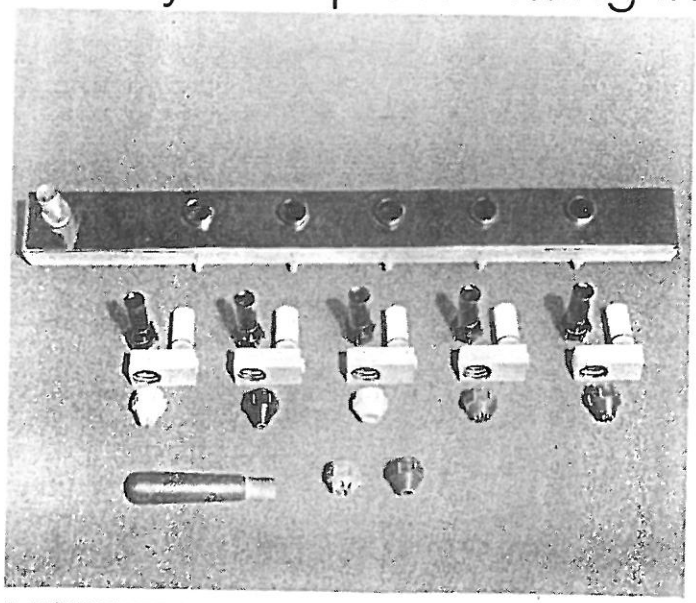


3 across staggered

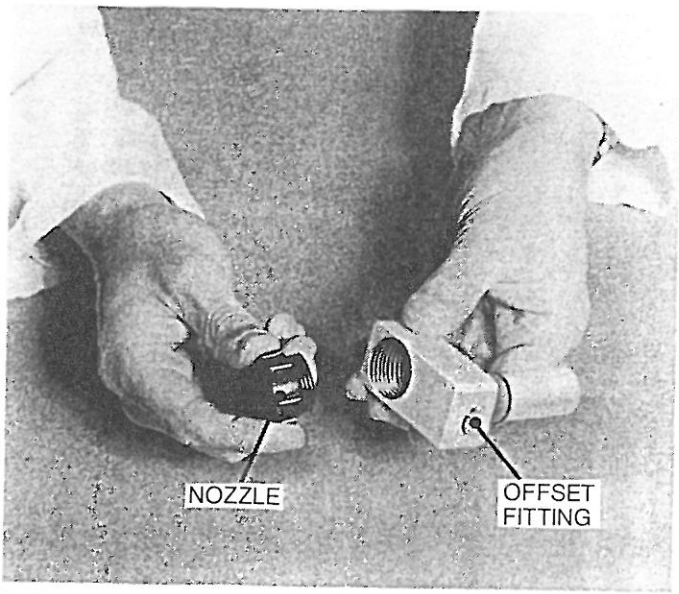


ROTARY TEMPLATE

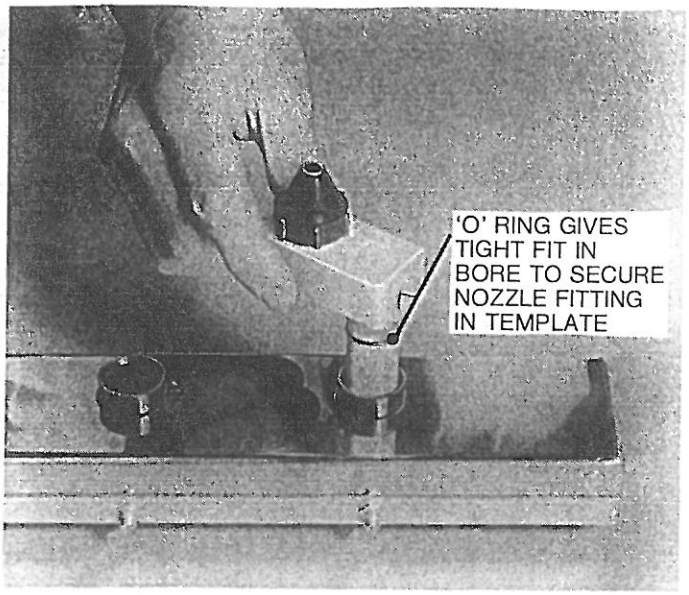
Rotary Template Fitting Instructions



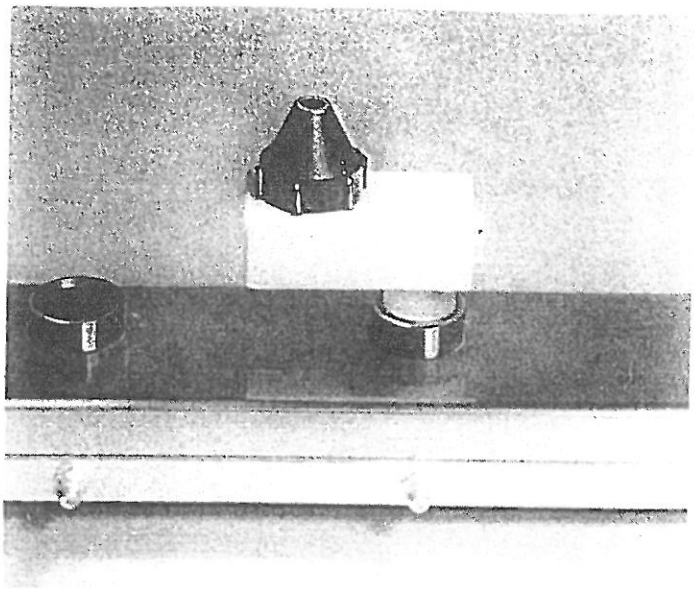
1 ROTARY TEMPLATE COMPLETE WITH RANGE OF NOZZLES, PLUS NOZZLE FITTINGS. ALSO SHOWN IS HAND TOOL FOR PUSHING NOZZLE FITTING OUT OF TEMPLATE.



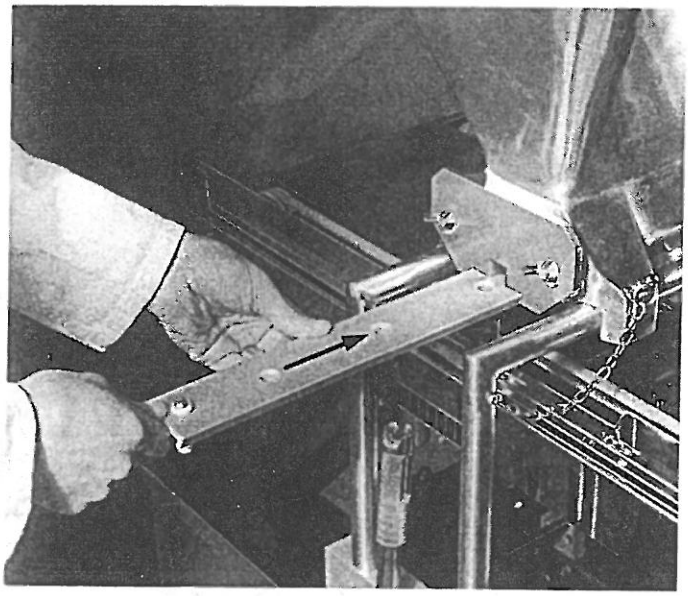
2. SHOWS NOZZLE BEING OFFERED TO OFFSET FITTING. THIS TYPE OF FITTING IS USED FOR MANUFACTURE OF CIRCULAR PRODUCTS (e.g. meringue nests).



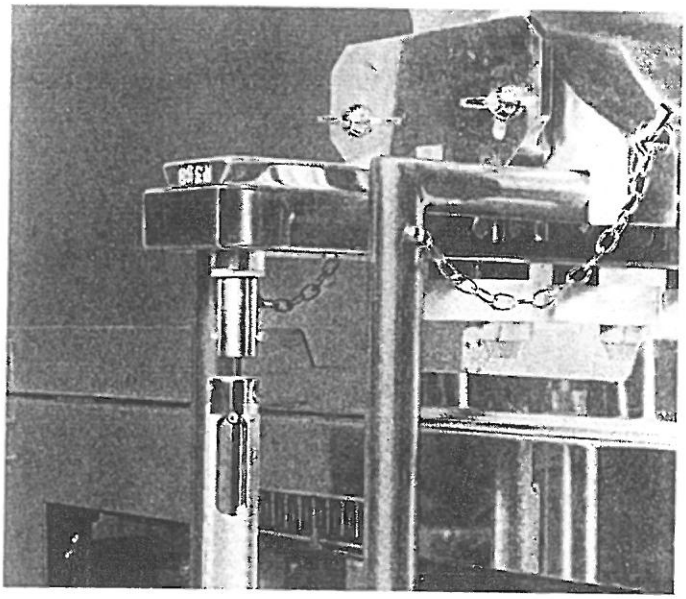
3. OFFSET FITTING COMPLETE WITH NOZZLE BEING INSERTED INTO TEMPLATE.



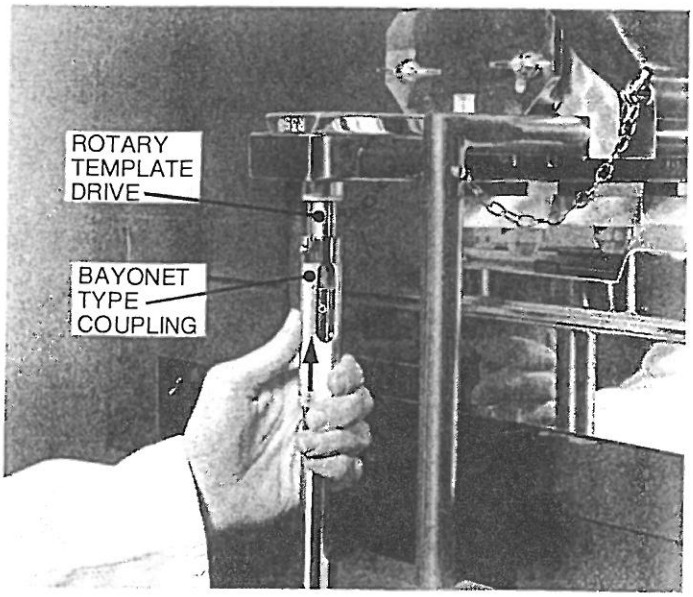
4. OFFSET FITTING (WITH NOZZLE) FULLY INSERTED INTO TEMPLATE.



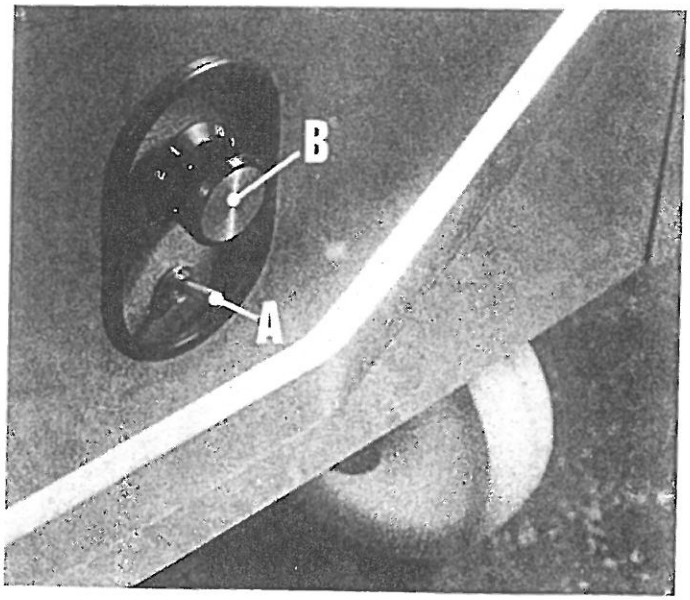
5. TEMPLATE BEING FITTED TO HOPPER.
MATING SURFACE MUST BE CLEAN TO ENSURE GOOD SEAL OTHERWISE LEAKING WILL OCCUR.



6. TEMPLATE FITTED TO HOPPER
MAKE SURE TEMPLATE IS SECURED FIRMLY TO HOPPER BY TIGHTENING THE FOUR WINGNUTS ON UNDERSIDE OF HOPPER.



7. BAYONET TYPE COUPLING FROM ROTARY DRIVE SHAFT BEING ATTACHED TO THE ROTARY TEMPLETE DRIVE.



8. CONTROLS FOR THE ROTARY TEMPLATE.
THESE ARE SITUATED IMMEDIATELY BEHIND THE BUMPER BAR.
'A' ON-OFF SWITCH.
'B' VARIABLE SPEED ADJUSTER.

Customers Setting

Average weight										
Tray speed										
Tray travel										
Tray delay										
Deposit then move										
Deposit whilst moving										
Deposit amount										
Deposit speed										
Nozzle plain										
Nozzle star										
Table height										
Jog										
Template										
Initial tray delay setting										
Final tray delay										
Extra time										
Normal										
Auto										
Rotary speed										
Heated hopper temperature										

Operation

Fill hopper with mix.

It is recommended that when heavier batters containing fat are used, the inside of the hopper is coated with thin vegetable oil. For lighter mixes, such as meringues, use water.

The oil or water will help the mix to settle and also act as a seal between mix and hopper to prevent air being sucked in.

Place small tray (provided) under hopper to catch initial deposit when priming

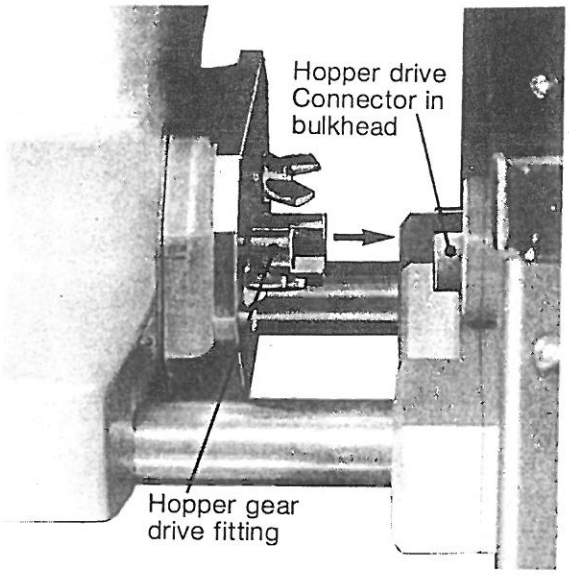
Press Motor Start switch No. 13 (neon light will indicate motor running).

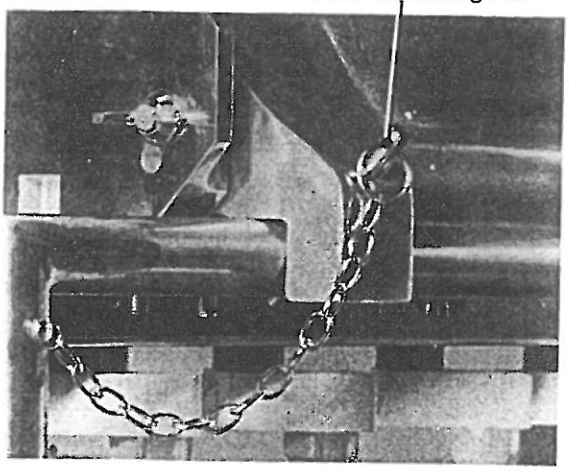
Turn deposit selector switch No. 6 to prime position.

Press prime knob No. 14 and push hopper toward bulkhead thus engaging hopper gear drive fitting with hopper drive connector.

Ensuring hopper drive fittings are fully engaged insert hopper retaining pins.

Continue holding down prime knob to carry out priming operation i.e. removing any air pockets from pump chamber and nozzles. The Depositor is now ready for use.





Maintenance

Electrical

Check motor brushes every 500 hrs. as indicated by time lapse indicator on electrical base panel

General

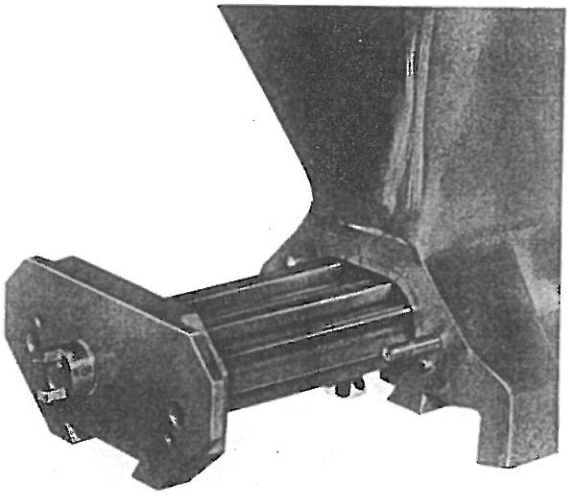
One of the most important points of maintenance is cleanliness. Machine should be cleaned regularly by using a damp cloth

IMPORTANT — USING EXCESSIVE WATER MAY DAMAGE ELECTRICAL SYSTEM

DO NOT USE ANY FORM OF CAUSTIC DETERGENT

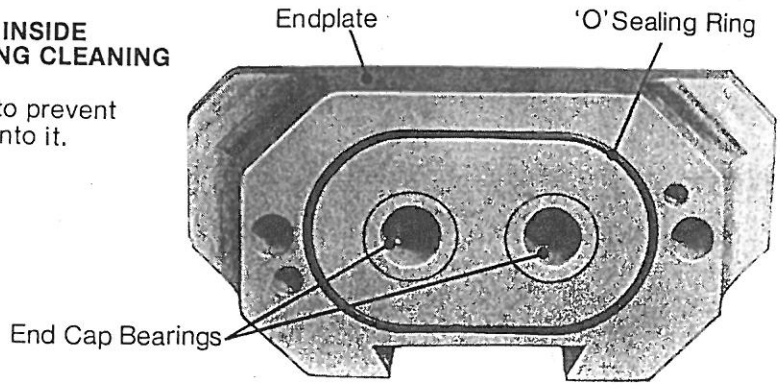
All components such as hopper, gears, template, nozzles, etc. can be disassembled for thorough cleaning.

To remove the pump gear, the hopper must be detached completely from the machine. Unscrew the wing nuts holding the drive endplate to the hopper and then withdraw the endplate with pump gear attached.



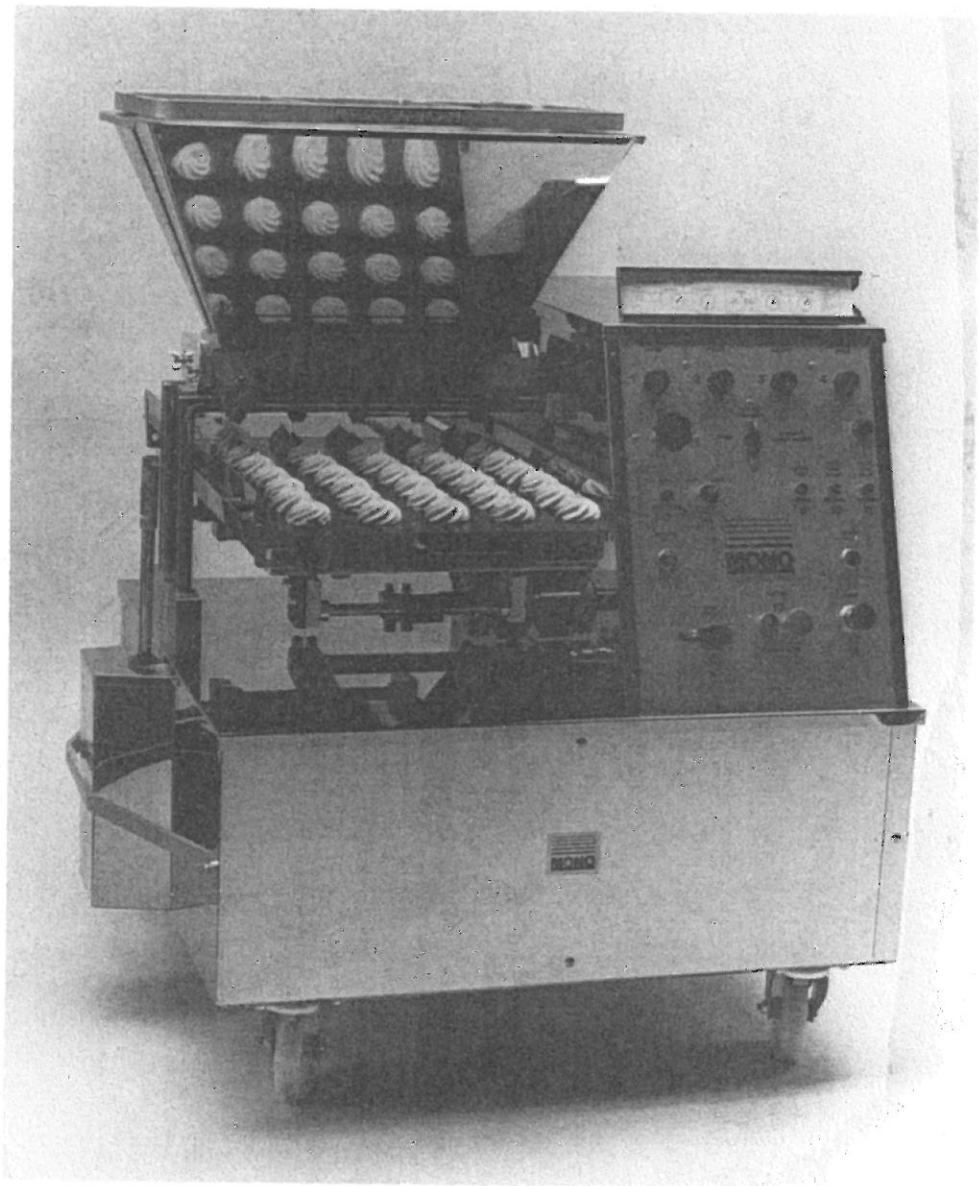
NOTE — ENSURE THE 'O' SEALING RING ON THE INSIDE FACE OF THE ENDPLATE IS NOT DAMAGED DURING CLEANING

Care must be taken when cleaning the hopper to prevent damage. Do not drop or allow foreign matter to fall into it.



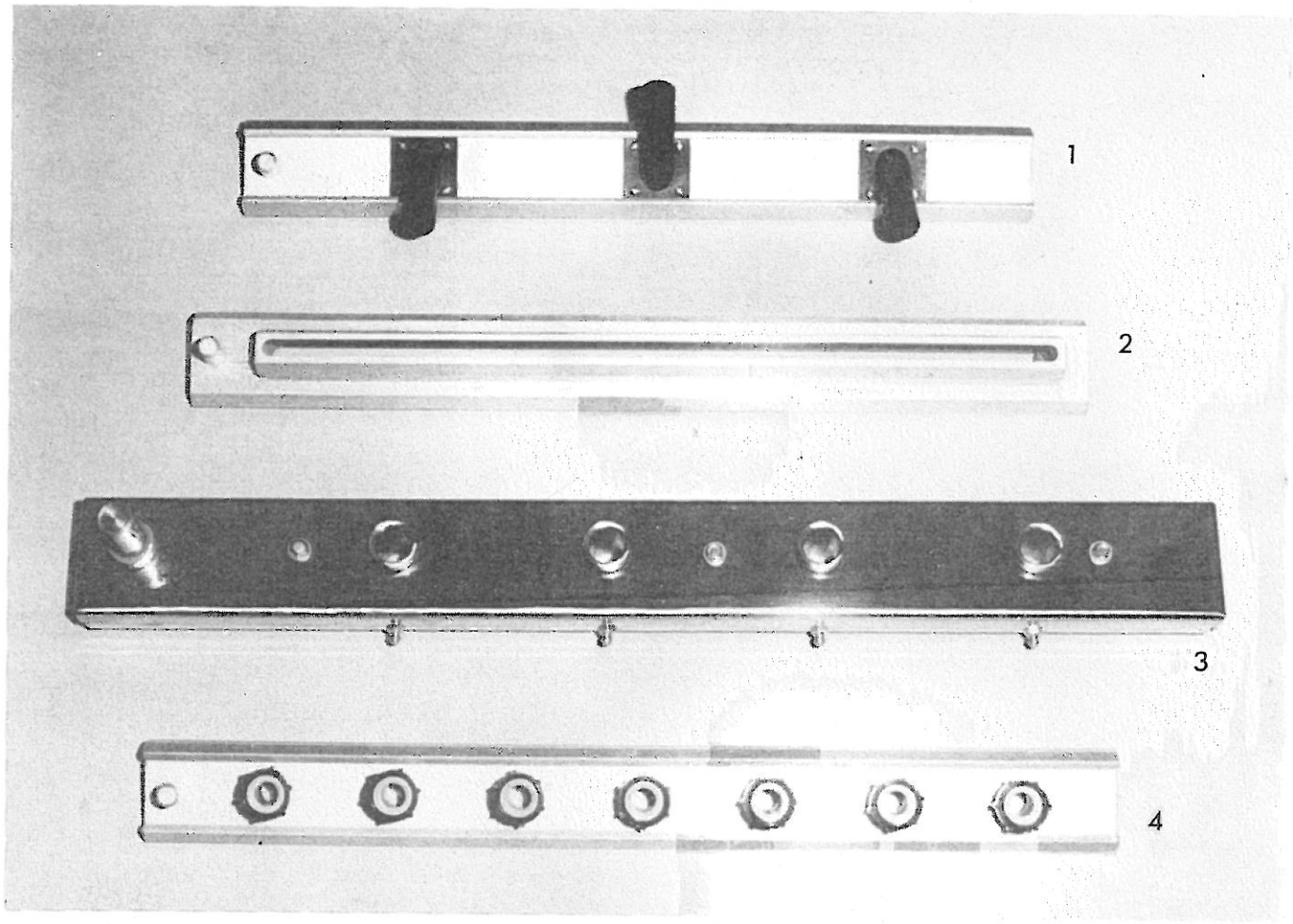
Fault Finder

	FAULT	PROBABLE CAUSE	REMEDY
1	"Mains on" Light Not illuminated	Blown fuse in mains supply to machine	Replace with new fuse
2	"Motor on" Light Not illuminated	1. Deposit motor circuit breaker tripped out 2. Safety guard limit switch faulty 3. Main relay not energized or faulty relay contacts	1. Reset deposit motor circuit breaker 2. Replace safety guard limit switch 3. Replace main relay with new
3	Motors On Light illuminated, Fan does not run	1. Tray travel motor circuit breaker tripped out 2. Faulty contacts on main relay	1. Reset tray travel motor circuit breaker 2. Replace main relay with new
4	Rotary switch in Prime position Machine will not prime when prime button is pressed	1. Check if forward Reverse relay and stop relay are energizing by checking for supply to relay coils when prime button is pressed a. If no supply on coils b. If supply on coils	a. Faulty Prime Button b. Faulty forward/reverse and/or stop relays
5	Forward/Reverse relays energize but Deposit motor will not run when Prime Button is pressed	1. Deposit speed potentiometer faulty 2. Faulty deposit speed controller	1. Replace with new deposit speed potentiometer 2. Replace with new deposit speed controller
6	Rotary Switch in deposit then move position, Auto/Normal switch in Normal position Machine will not cycle, but continuous tray travel	1. Check that "Timer" circuit breaker has not tripped out 2. If "Timer" Circuit breaker continually trips out, faulty timer	1. Reset "Timer" Circuit Breaker 2. Replace with new Timer
7	Rotary switch in deposit whilst moving position Deposit cycle, no tray travel and fan does not work	1. Tray travel circuit breaker tripped out 2. Faulty tray travel speed controller causing circuit breaker to trip out/or fan	1. Reset tray travel circuit breaker 2. Replace with new tray travel speed controller/or Fan
8	Continuous deposit No tray travel	1. Faulty deposit amount timer 2. Faulty deposit amount Potentiometer	1. Replace with new deposit amount timer 2. Replace with new deposit amount Potentiometer
9	One deposit cycle no tray travel	1. Faulty contacts on stop relay 2. Check for live supply on terminal 21 on left hand side of base panel if live at 21, faulty tray travel speed controller	1. Replace stop relay 2. Replace tray travel speed controller
10	Machine does one deposit cycle and then continuous tray travel	1. Faulty tray travel timer 2. Faulty tray travel Potentiometer	1. Replace with new tray travel timer 2. Replace with new tray travel Potentiometer
11	No deposit cycle but forward/reverse /stop relays cycle and tray travel cycles	1. Field fuse inside of deposit speed controller blown	1. Replace with new fuse
12	One deposit cycle then continuous tray travel	1. Faulty tray travel timer 2. Faulty tray travel Potentiometer	1. Replace with tray travel timer 2. Replace with tray travel Potentiometer
13	Continuous deposit continuous tray travel	1. Faulty Deposit amount timer 2. Faulty deposit amount Potentiometer	1. Replace with new deposit amount timer 2. Replace with new deposit amount Potentiometer
14	No deposit But forward/Reverse relay and stop relay cycle, but continuous tray travel	1. Field fuse inside of deposit speed controller blown	1. Replace with new fuse
15	Continuous deposit with extra time switched in	1. Faulty extra time Potentiometer	1. Replace with new extra time Potentiometer
16	Forward/Reverse stop relay energize but deposit speed erratic and sometimes stops	1. Faulty deposit motor speed controller or Deposit motor overloaded.	1. Replace with new deposit motor speed controller
17	Machine does not cycle, but continuous tray travel	1. "Timers" circuit Breaker tripped out 2. If timer circuit still trips out, there is a faulty timer	1. Reset timer circuit breaker 2. Replace with new timer
18	Tray travel does not stop instantly and tray travels on slowly then stops in deposit position then move.	1. Dynamic breaking fuse inside of tray travel speed controller blown	1. Replace with new fuse
19	No initial tray delay	1. Faulty Initial tray delay toggle switch 2. Faulty initial tray delay timer 3. Faulty initial tray delay Potentiometer	1. Replace with new initial tray delay toggle switch 2. Replace with new initial tray delay timer 3. Replace with new initial tray delay Potentiometer
20	No final tray delay	1. Faulty final tray delay toggle switch 2. Faulty final tray delay timer	1. Replace with new tray delay toggle switch 2. Replace with new final tray delay timer
21	With "Extra time" switch in extra time position No extra time	1. Faulty extra time toggle switch 2. Faulty extra time Potentiometer	1. Replace with new extra time toggle switch 2. Replace with new extra time Potentiometer



Spare parts for the

MK 9 CAKE DEPOSITOR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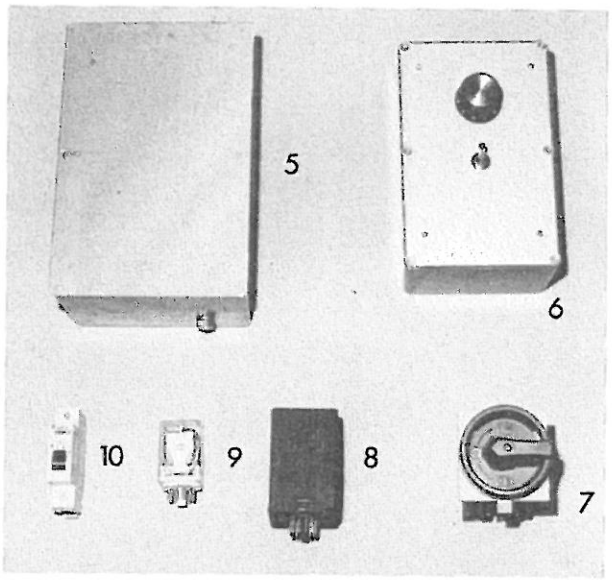
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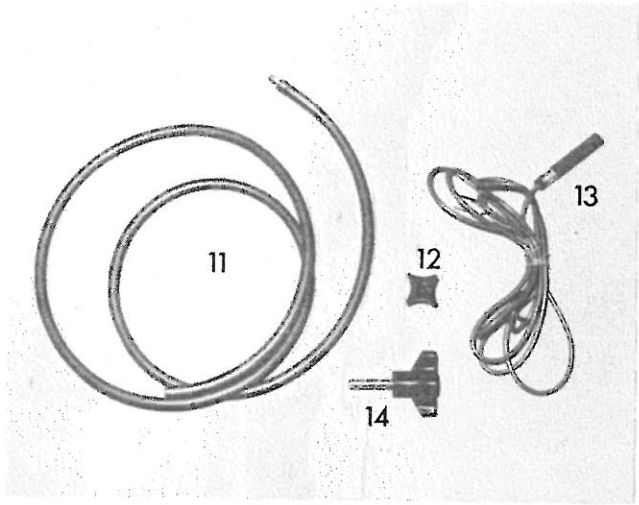
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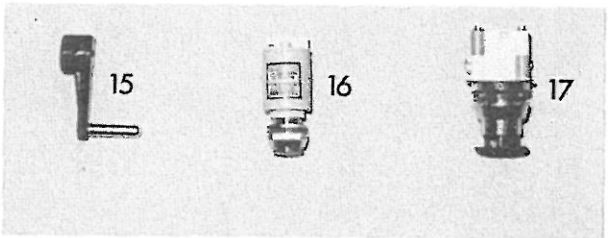
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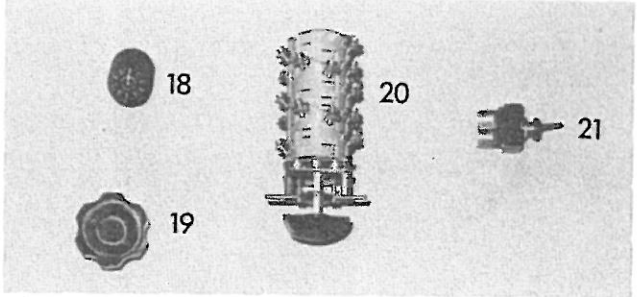
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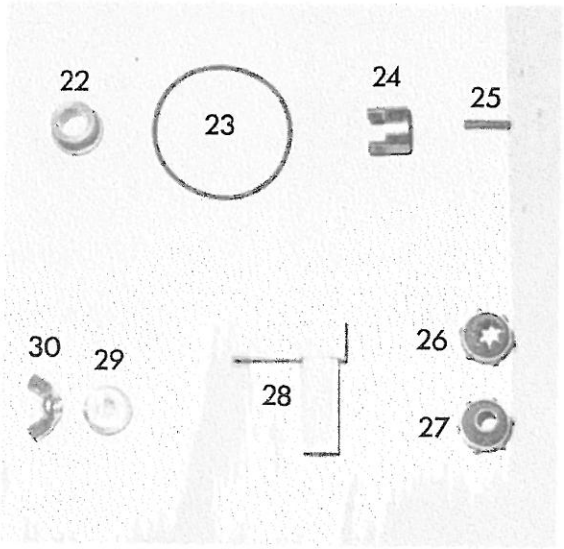
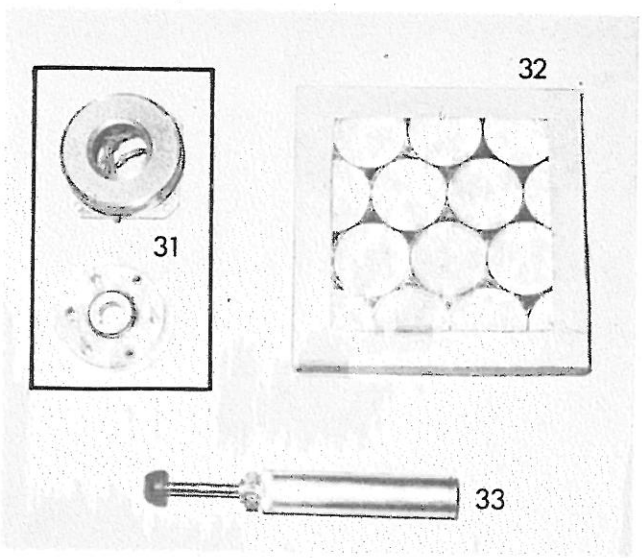




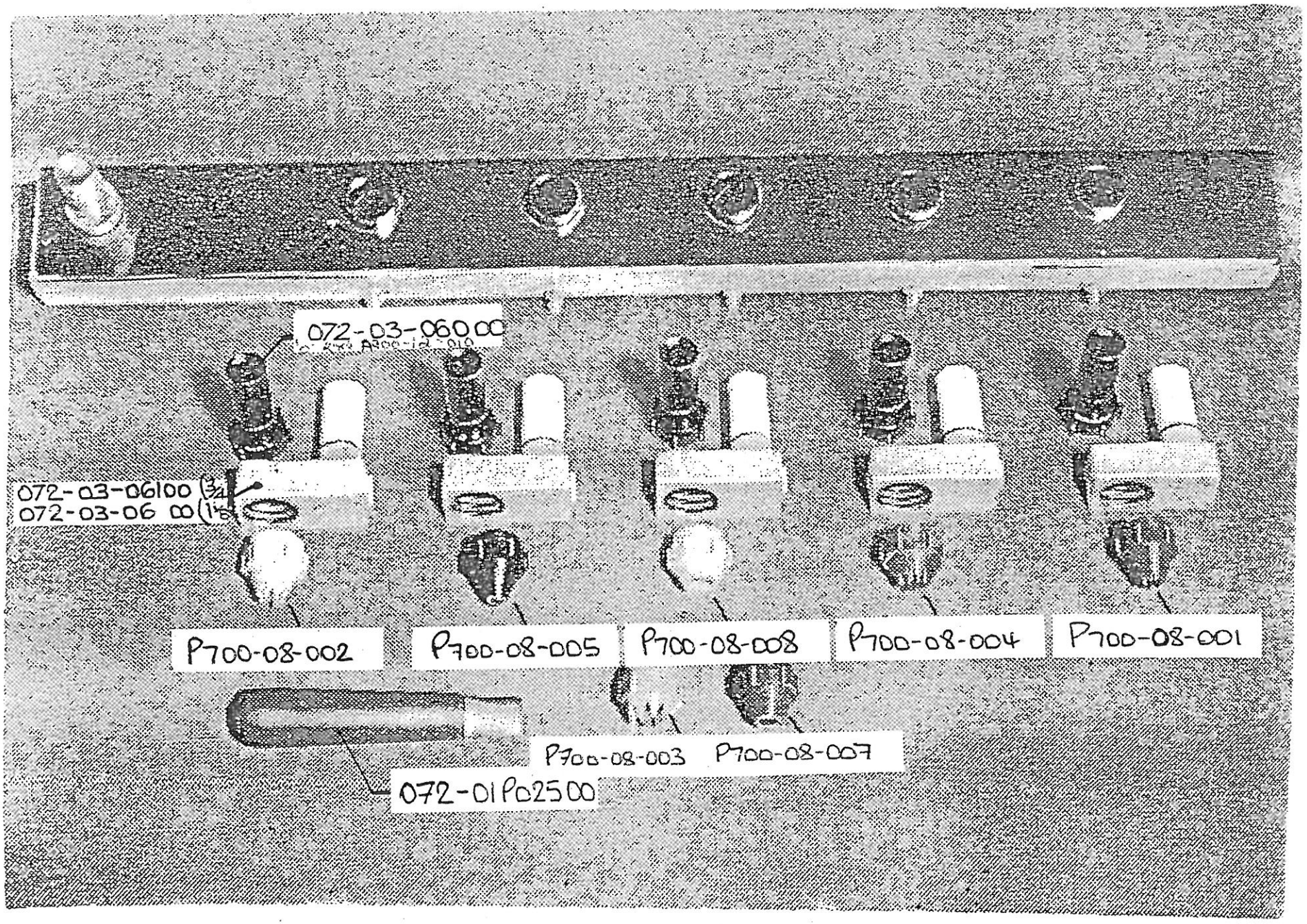
ITEM NO.	DESCRIPTION	PART NO.
1	Staggered template	*
2	Sheeting template	*
3	Rotary template	*
4	Standard template	*
5	Deposit speed controller	B876-80-001
	Tray travel controller	B876-80-002
6	Rotary head speed controller	B876-80-003
7	Mains interlock switch	B807-07-007
8	Deposit amount timer	B819-34-006
	Tray travel timer	B819-34-007
	Initial tray delay timer	B819-34-008
	Auto/start timer	B819-34-009
	Final tray delay timer	B819-34-010
9	Mains relay	B822-37-009
10	Micro circuit breaker 1 amp	B872-22-001
	2 amp	B872-22-002
	10 amp	B872-22-005
11	Round belt	A900-21-055
12	Thumb screw	P700-04-008
13	Auto/start sensor	B801-99-001
14	Thumb screw	P700-04-006
15	Handle	P700-07-012
16	Main 'on' indicator	B894-43-001
	Motor 'on' indicator	B894-43-002
17	Prime button	B808-12-001
18	Deposit tray speed potentiometer	B880-59-001
	Deposit amount/tray travel potentiometer	B880-59-002
19	Handle	P700-07-014
20	Rotary switch	B805-07-006
21	Toggle switch/machine cycle	B816-07-003
22	Extra time/initial tray delay	B816-07-002
	End cap bush	072-07D01100
23	End cap 'O' ring	A900-12-009
24	Hopper drive adaptor	072-07D03000
25	Hopper drive adaptor securing pin	A900-01-009
26	Star nozzle	*
27	Plain nozzle	*
28	Offset nozzle	*
29	Template clamping cone	072-07D01500
30	Template clamping wing nut	A900-04-041
31	Deposit motor break unit	B912-31-001
32	Air filter	A900-30-001
33	Damper	A900-29-001

*Prices available on application (dependant on size and type)

ORDERING SPARE PARTS

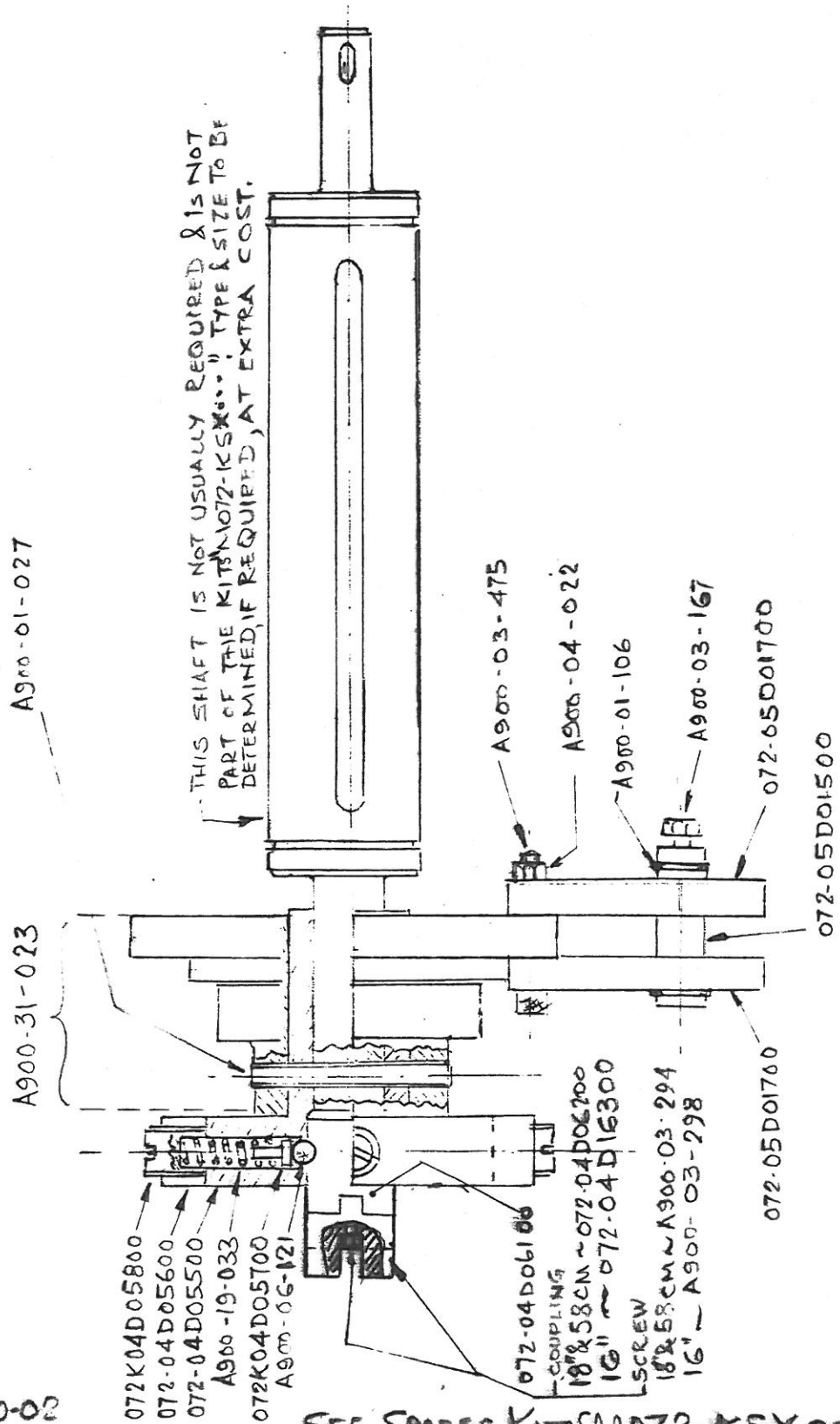
When ordering spare parts, always supply the following information.

1. Name of machine
2. Machine serial number
3. Part number


072-03-06000
072-03-06100 (3/4
072-03-06 00 (1"
P700-08-002
P700-08-005
P700-08-008
P700-08-004
P700-08-001
P700-08-003
P700-08-007
072-01P02500

MK9 ACCESSORIES (ELECTRICAL)

AUTO START RELAY	B822-37-003
AUTO START TIMER	B819-34-009
INITIAL TRAY DELAY TIMER	B819-34-008
DEPOSIT AMOUNT TIMER	B819-34-006
TRAY TRAVEL TIMER	B819-34-007
FINAL TRAVEL DELAY TIMER	B819-34-010
FORWARD /REVERSE RELAY	B822-37-008 (MM4P)
STOP RELAY	B822-37-008 (MM4P)
BRAKE RELAY	B912-93-001
STOP/START NO1 MAIN RELAY	B822-37-009
STOP/START NO2 MAIN RELAY	B822-37-009
TRAY TRAVEL RELAY	B822-37-001
TIMER BASE FOR CS58/60	B819-36-002
TIMER CIRCUIT BREAKER	B872-22-001
HOPPER GUARD SWITCH (EARLY MK9)	B818-11-001
HOPPER GUARD SWITCH (HONEYWELL)	B827-84-002/001
MM4P RELAY BASE	B822-36-007
DEPOSIT SPEED CONTROLLER (3/4 & 1HP NECO)	M072-KSA001
DEPOSIT SPEED CONTROLLER (POWERDRIVE)	M072-KSA002
DEPOSIT SPEED CONTROLLER (ROSSI)	M072-KSA005



FOR METRIC FASTENERS SEE DRG Nº M072-05D060-02

SEE SPARES KITS { M072-KSX001 · (18"& 58cm M/Cs)
M072-KSX021 (16" M/C)

MACHINING, ▽ COARSE FINISH (N9), ▽▽ MEDIUM FINISH (N8), ▽▽▽ FINE FINISH (N7), G. GROUND FINISH (N6)

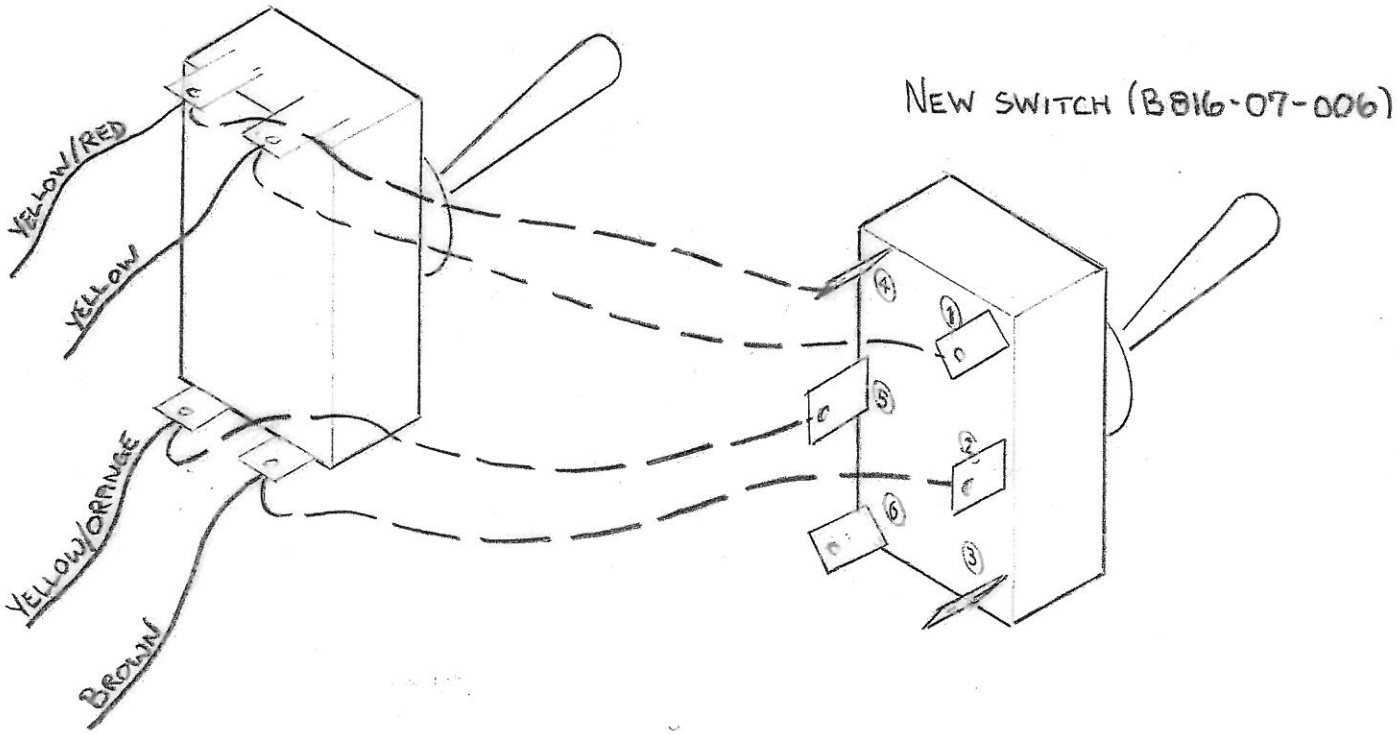
OPEN TOL. 150 & BELOW ± ·5, OVER 150 ± 1·0 | DECIMAL DIMS. 75 & BELOW ± ·25, 75 TO 300 ± ·4, 300 TO 600 ± ·5, OVER 600 ± 1·0

Title: ARRGT OF SPRAG COUPLING & SLIPPING CLUTCH (IMPERIAL FASTENERS)

MONO EQUIPMENT LIMITED
MONO EQUIPMENT LTD
QUEENSWAY.
SWANSEA INDUSTRIAL ESTATE
FFORESTFACH. SWANSEA SA5 4EB

No. Req'd:	Drawn:	Drawing No. M072-05D060-00	Change —
Material:	Date 27-7-92		
Finish:	Scale NTS		

OLD SWITCH (B816-07-003)



NOTE:

REMOVE ONE WIRE AT A TIME FROM OLD SWITCH AND REPLACE ON INDICATED TERMINALS ON NEW SWITCH.

REMOVE ALL BURRS & SHARP EDGES - ON SHEET METAL PARTS, EXTERNAL CORNERS TO BE SAFETY RADIUSED 2mm UNLESS STATED OTHERWISE

MACHINING, ∇ COARSE FINISH (N9), ∇∇ MEDIUM FINISH (N8), ∇∇∇ FINE FINISH (N7), G. GROUND FINISH (N6)

OPEN TOL, 150 & BELOW ± ·5, OVER 150 ± 1·0 | DECIMAL DIMS, 75 & BELOW ± ·25, 75 TO 300 ± ·4, 300 TO 600 ± ·5, OVER 600 ± 1·0

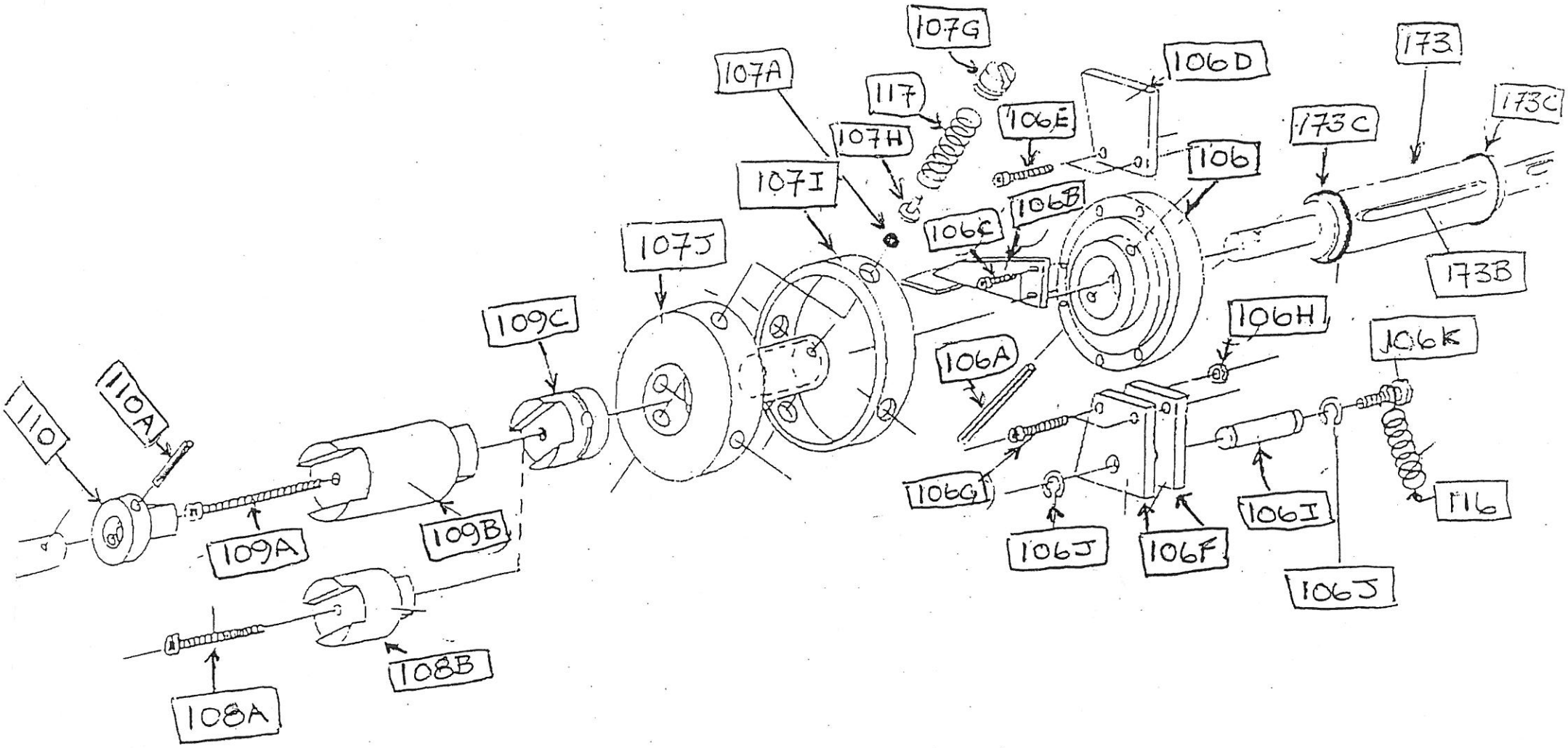
Title: Mk 9 DEPOSITOR. REPLACEMENT OF MACHINE CYCLE SWITCH		MONO EQUIPMENT LIMITED	MONO EQUIPMENT LTD. QUEENSWAY, SWANSEA INDUSTRIAL ESTATE, FFORESTFACH, SWANSEA SA5 4EB
No. Req'd: —	Drawn: S. Phillips		
Material: —	Date: 7-2-95	Drawing No. M072-08-08000	Change —
Finish: —	Scale: N.T.S.		

OZALID (UK) LTD

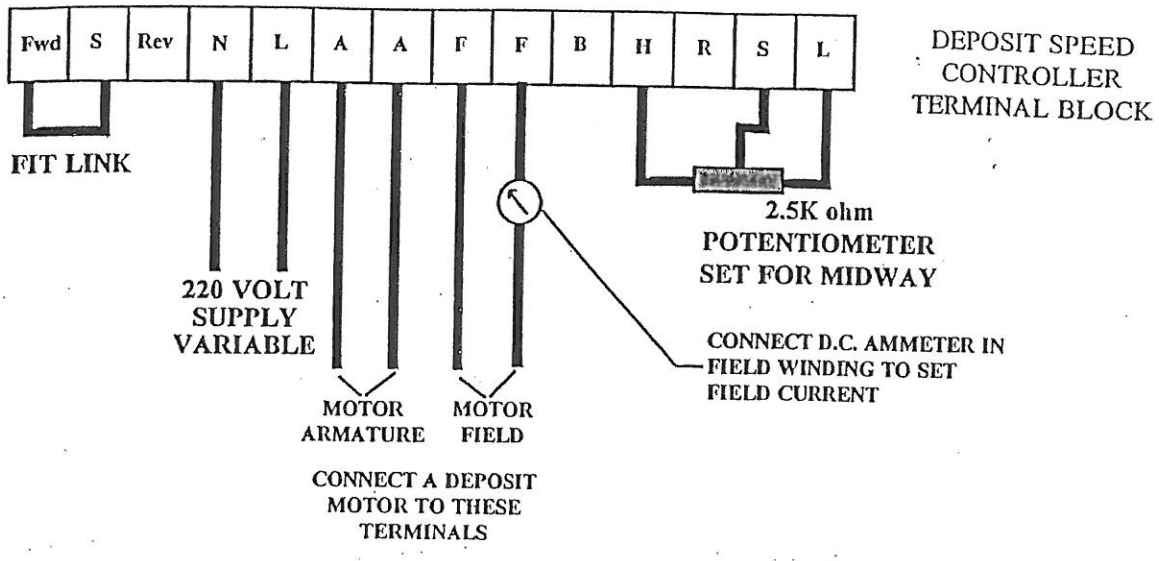
5413-993 A4 104/

SPARE PARTS FOR CLUTCH ON MK9

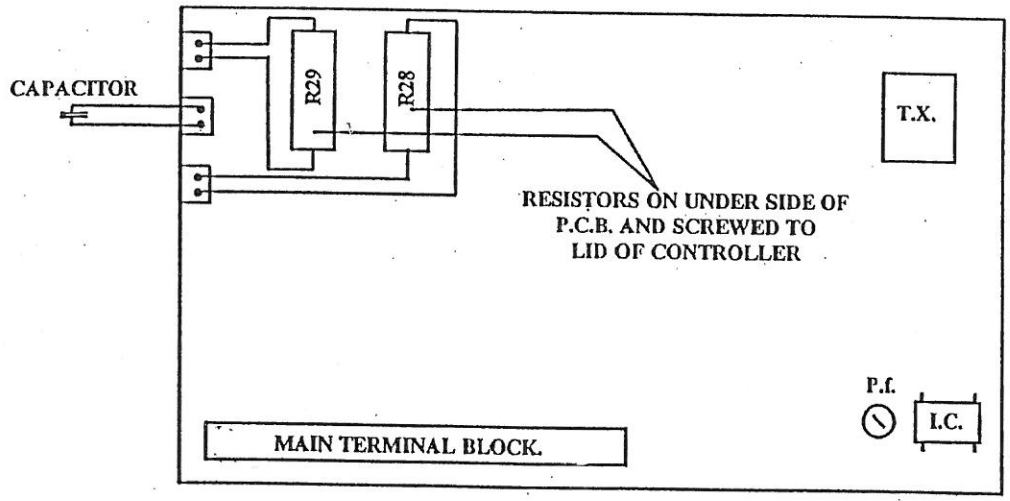
ITEM NUMBER	PART NUMBER
106	A900-31-023
106A	A900-01-027
106B	072-04D06400
106C	A900-03-302
106D	P700-03-030
106E	A900-03-302
106F	072-05D01700
106G	A900-03-475
106H	A900-04-022
106I	072-05D01500
106J	A900-01-106
106K	A900-03-167
107A	A900-06-121
107G	072K04D05800
107H	072K04D05700
107I	072-04D05600
107J	072-04D05500
108A	A900-03-295
108B	072-04D06200
109A	A900-03-299
109B	072-04D16300
109C	072-04D06100
110	072-07D03000
110A	A900-01-009
116	A900-19-021
117	A900-19-033
173	072-04D13100
173A	A900-01-189
173B	072-04D13900
173C	A900-01-116
173D	A900-05-159


107G
107A
117
106D
173
107H
106E
173C
173C
107I
106
106B
106C
107J
173B
109C
106H
106A
106K
110
110A
106G
106I
116
109A
109B
106J
106F
106J
108B
108A

MK9 DEPOSITOR SPEED CONTROLLER CONNECTIONS FOR SETUP PROCEDURE FOR TYPE 540 OR TYPE 430 AND SPEED CONTROLLER LAYOUT



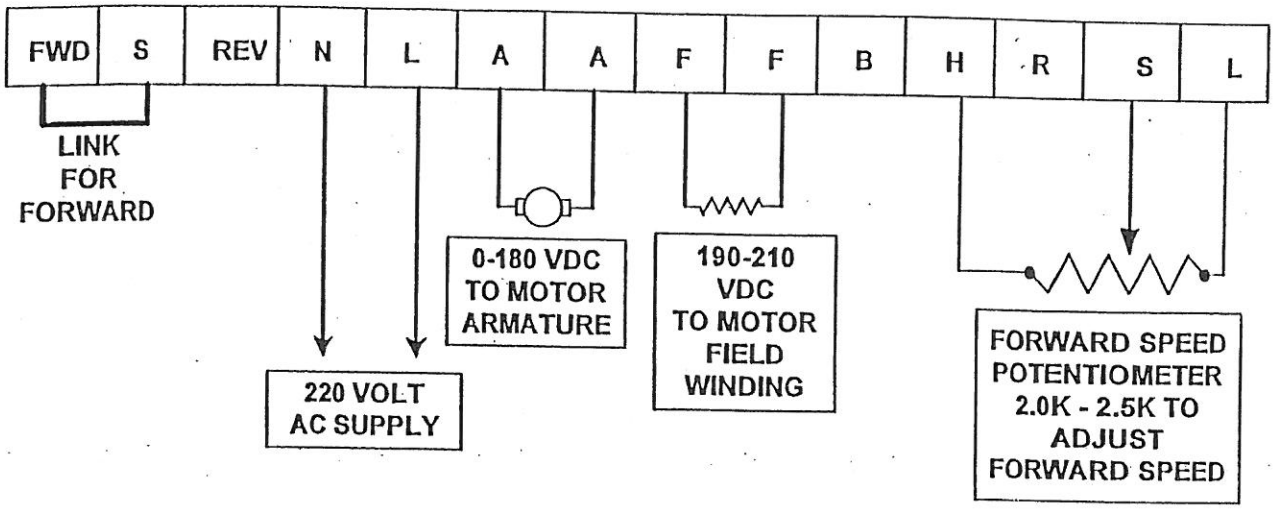
DEPOSIT SPEED CONTROLLER LAYOUT



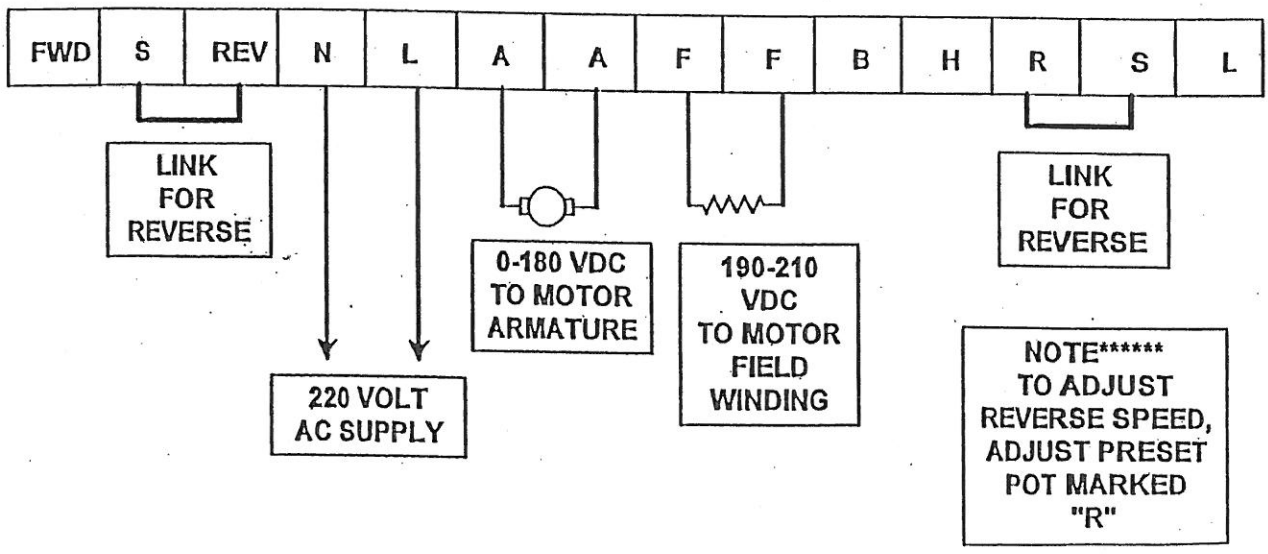
TYPE 430 R28 = 22 OHM, R29 = 47 OHM

TYPE 540 R28 = 10 OHM, R29 = 22 OHM

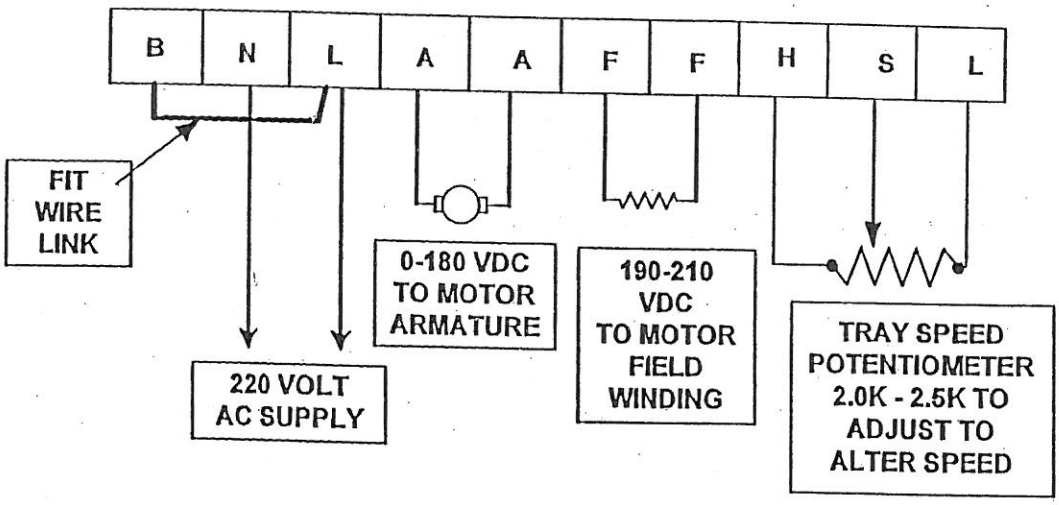
TO TEST FORWARD OPERATION OF MK9 DEPOSIT SPEED CONTROLLER CONNECT AS BELOW



TO TEST REVERSE OPERATION OF MK9 DEPOSIT SPEED CONTROLLER CONNECT AS BELOW



TO TEST OPERATION OF MK9 TRAY
SPEED CONTROLLER CONNECT AS BELOW



SETTING UP & DRILLING FOR FITTING ADAPTER PLATE

1) NOTE THE POSITION AND COLOUR CODING OF THE EXISTING WIRING AND THE VALUE (2k or 100k ohms) OF THE BOURNE POTENTIOMETER(S) BEING REPLACED.

2) USING THREE OF THE M3.5 SCREWS AND NUTS THROUGH HOLES `B', FIT AN ADAPTER PLATE EITHER SIDE OF THE EXISTING ALUMINIUM PANEL. (the body diameter of the screws make contact with the perimeter of the large hole and centralises the adapter plate). SET TRUE, MARK OFF AND DRILL FOUR 4mm CORNER HOLES.

3) REMOVE THE INSIDE ADAPTER PLATE AND FIT THE OUTER ONE WITH FOUR SCREWS, WASHER AND NUTS - CHECK TO DIAGRAM THAT HOLE `A' IS ON THE LEFT AND COUNTERSINKS FACING OUTWARDS.

4) REPEAT (1) to (3) AT THE OTHER POSITIONS AS REQUIRED.

INSTALLING THE POTENTIOMETER(S)

5) DISCARD THE THIN STEEL LOCKNUT AND LOCKWASHER FITTED TO THE POTENTIOMETER BY THE MAKER AND HIS INSTRUCTION SHEET WHICH IS SUPERSEDED BY THE FOLLOWING NOTES.

6) TURN THE POTENTIOMETER SHAFT (BY HAND) FULLY ANTI-CLOCKWISE.

7) FIT THE M10 SPACING WASHER ONTO THE FRONT OF THE POTENTIOMETER AND INSERT IT INTO THE ADAPTER PLATE. FIT THE LOCATING WASHER OVER THE PROJECTING SHAFT AND SEAT THE NARROWEST END LUG INTO HOLE `A' - SEE DIAGRAM.

8) FIT THE BRASS MOUNTING NUT - RIM FORWARDS SEE DIAGRAM. ENSURE THAT THE RIM ENTERS SNUGLY THROUGH THE LOCATING WASHER AND INTO THE SIZED HOLE IN THE ADAPTER PLATE. ALSO MAKE SURE THAT THE M10 SPACING WASHER REMAINS IN PLACE WHILST THIS IS BEING DONE. WHEN ALL THIS IS SATISFACTORY TIGHTEN THE BRASS NUT SECURELY WHILE CHECKING THAT THE WIRING TERMINALS ARE POSITIONED TO YOUR CHOICE.

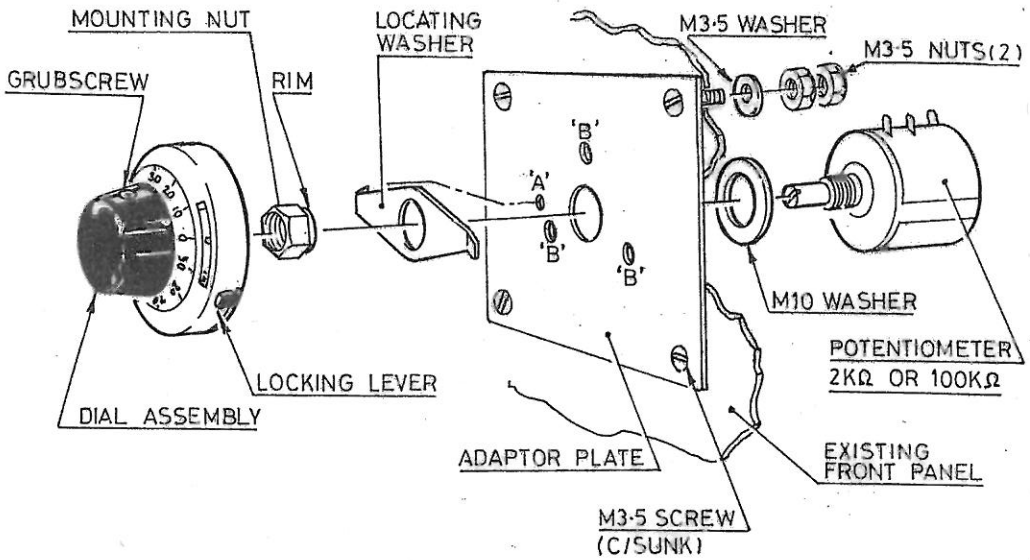
9) RECHECK OPERATION (6).

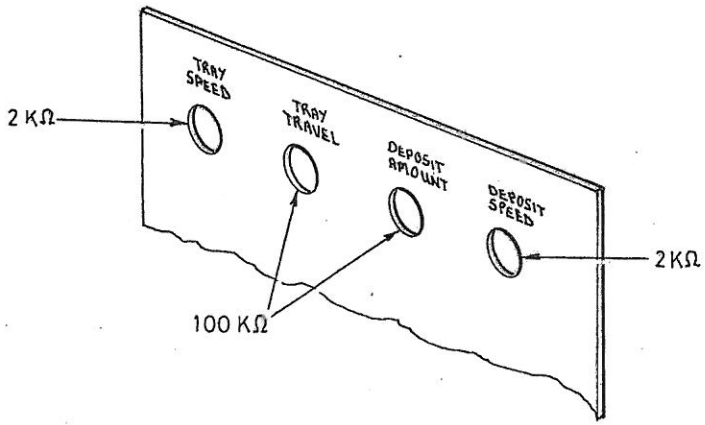
10) WITH THE DIAL LOCKING LEVER IN THE `OFF' (UP) POSITION, SLIP THE DIAL ONTO THE POTENTIOMETER SHAFT BUT DO NOT APPLY ANY UNDUE PRESSURE AND MAKE SURE THE WIDE END LUG OF THE LOCATING WASHER SEATS IN THE SLOT IN THE BACK OF THE DIAL.

11) HOLD DIAL LIGHTLY AGAINST THE ADAPTER PLATE AND TURN THE DIAL KNOB ANTI-CLOCKWISE UNTIL THE ZERO OF THE OUTER SCALE IS IN THE CENTRE OF THE WINDOW - NOW CONTINUE TURNING VERY SLOWLY UNTIL THE INNER SCALE READS APPROXIMATELY `20' AT THE INDEX LINE.

12) TIGHTEN THE GRUB SCREW ONLY LIGHTLY UNTIL A SLIGHT DRAG IS FELT BETWEEN THE KNOB AND THE SHAFT OF THE POTENTIOMETER WHEN CONTINUING TO TURN ANTI-CLOCKWISE TOWARDS `10' ON THE INNER SCALE. NOW TURN VERY SLOWLY MORE, UNTIL BOTH ZEROS LINE UP WITH THE INDEX LINE. TIGHTEN THE GRUB SCREW FIRMLY.

13) NOTE - IMPORTANT, NOW THAT INSTALLATION IS COMPLETE DO NOT ATTEMPT TO OVER-RIDE THE STOPS OF THE POTENTIOMETER WHICH CORRESPOND TO `0' AND `10' ON THE OUTER WINDOW SCALE. DAMAGE TO THE UNIT OR/AND ITS WIRING WILL RESULT. (SETTINGS `11' TO `14' ARE NOT APPLICABLE)

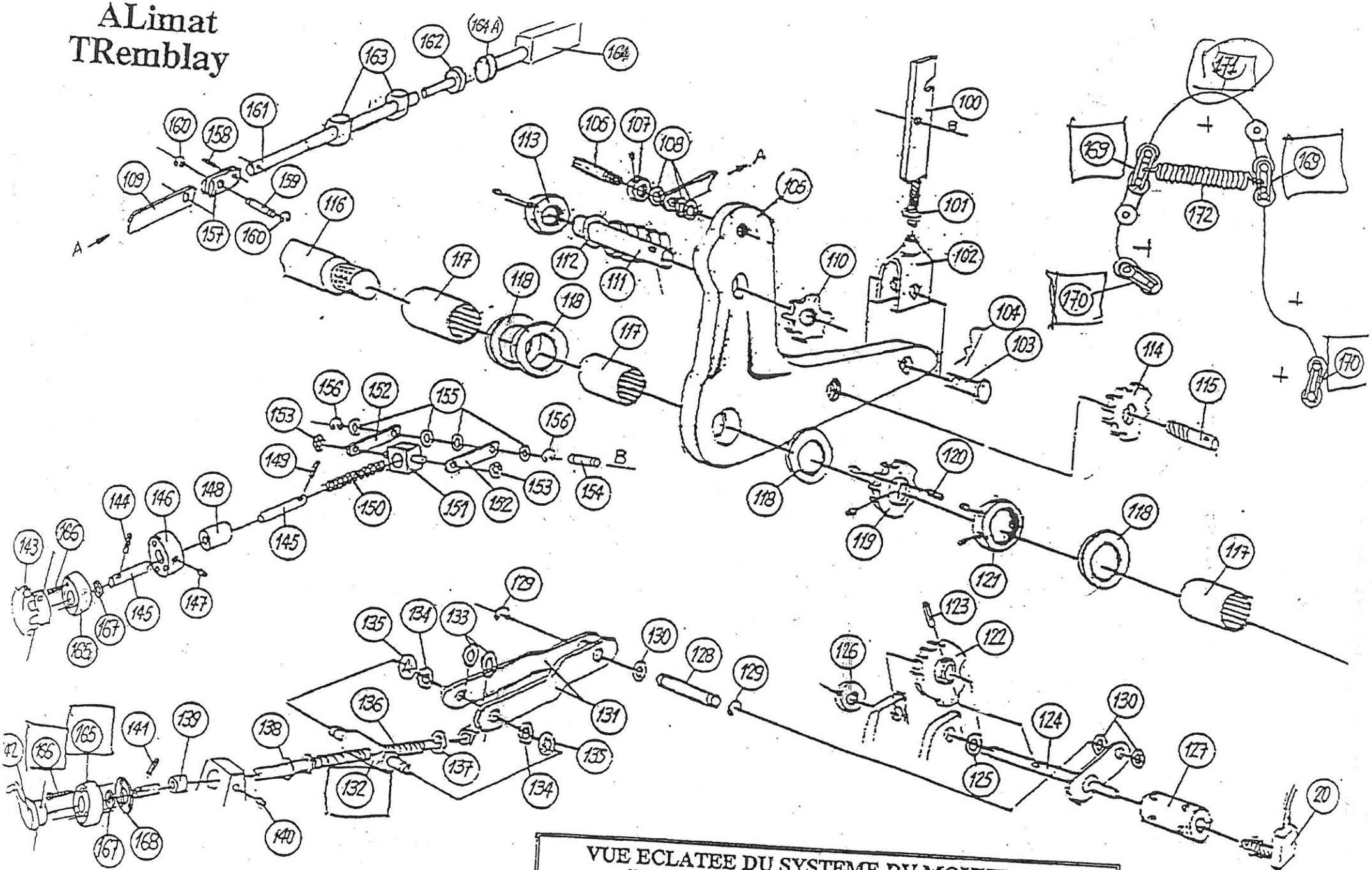




REPLACEMENT KIT FOR 2KΩ B880-59-001 ~ M072-KSX024
" " " " 100KΩ B880-59-002 ~ M072-KSX025

MACHINING, ▽ COARSE FINISH (N9), ▽▽ MEDIUM FINISH (N8), ▽▽▽ FINE FINISH (N7), G GROUND FINISH (N6)			
OPEN TOL, 150 & BELOW ± .5, OVER 150 ± 1.0		DECIMAL DIMS, 75 & BELOW ± .25,75 TO 300 ± .4,300 TO 600 ± .5, OVER 600 ± 1.0	
Title: MK 9 DEPOSITOR BOURNE POTENTIOMETER REPLACEMENT WITH R.S. TYPE		MONO EQUIPMENT LIMITED	MONO EQUIPMENT LTD., QUEENSWAY, SWANSEA INDUSTRIAL ESTATE, FFORESTFACH, SWANSEA SA5 4EB
No. Req'd —	Drawn: S. Phillips		
Material: —	Date: 10-1-95		
Finish: —	Scale: —	Drawing No. M072-04-26000	Change —

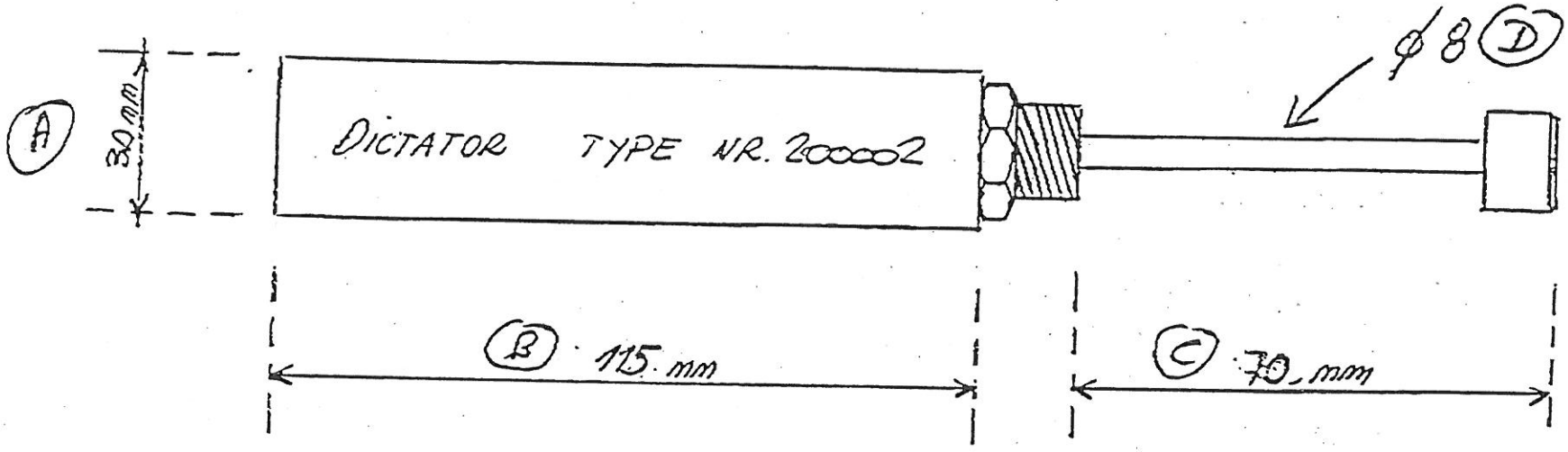
ALimat
TRemblay



VUE ECLATEE DU SYSTEME DU MOUVEMENT
DE TABLE MONO MASTER MK9/MK10

AMORTISSEUR DE TABLE

VALISE AG

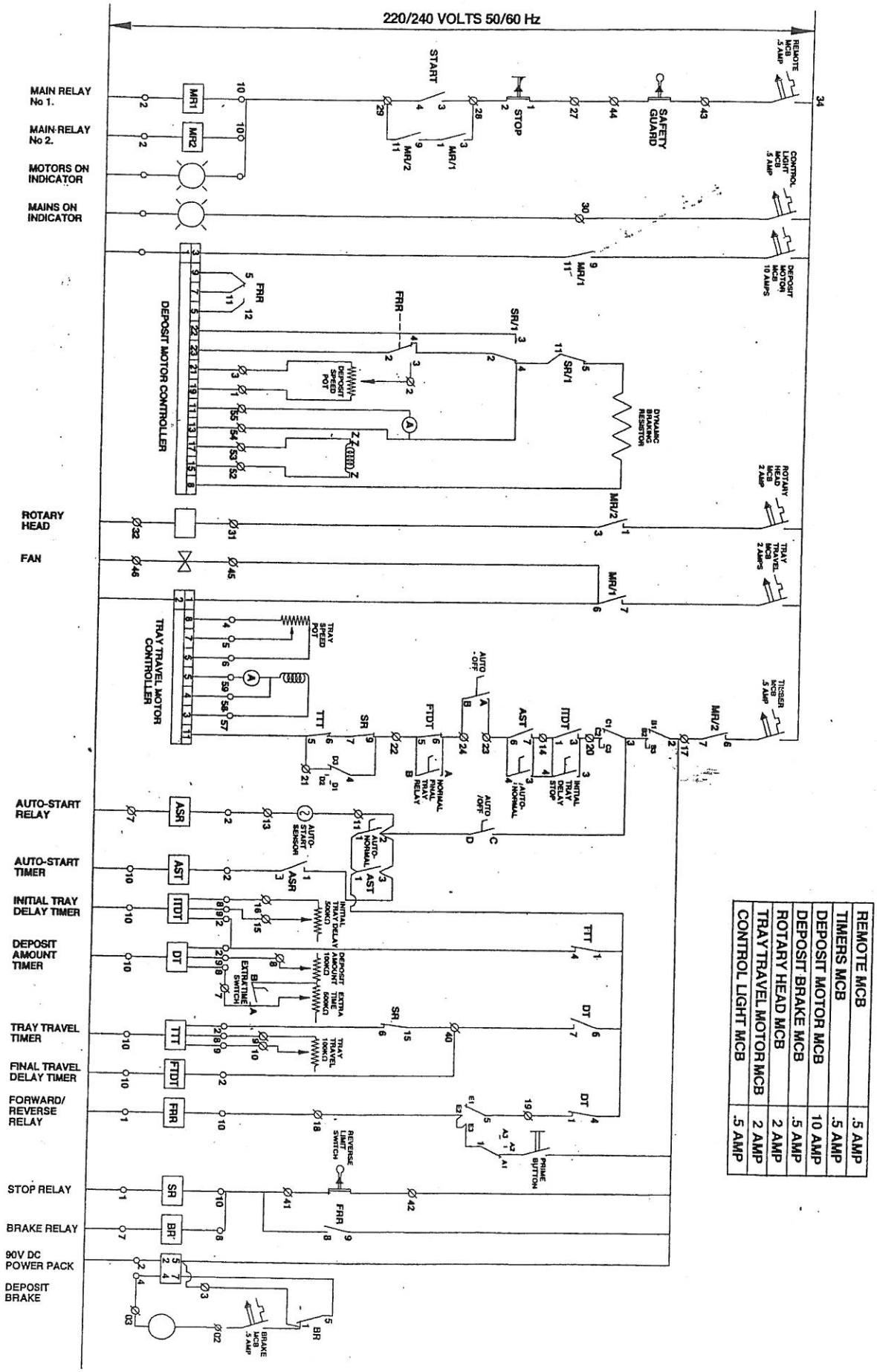


DAMPER UNIT REF CODE A900-29-006 ✓ +1

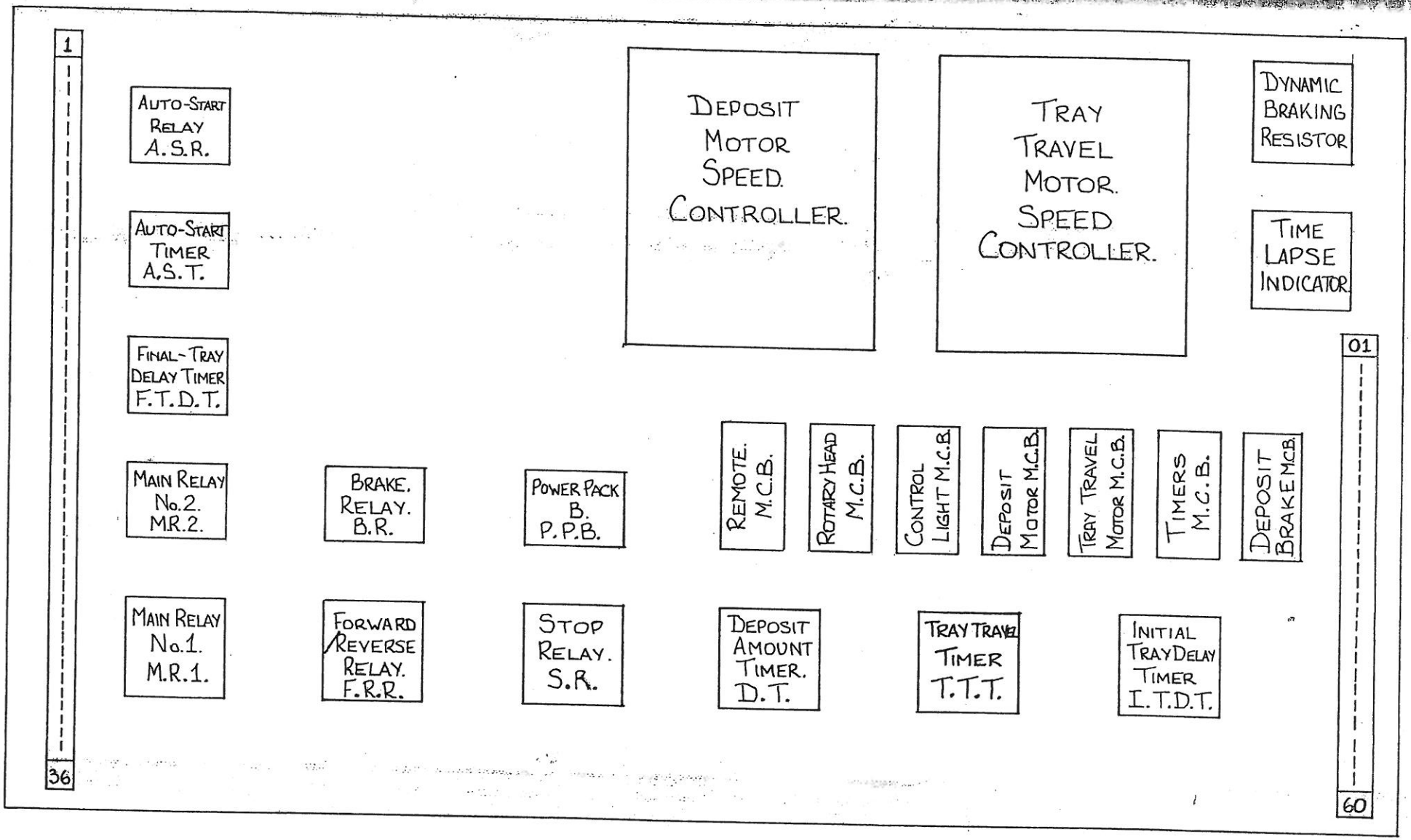
LOCATING BRACKET CODE 072-05-14000 +1

FIXING SCREW CODE A900-03-244 X1

MONO
EQUIPMENT LIMITED



REMOTE MCB	.5 AMP
TIMERS MCB	.5 AMP
DEPOSIT MOTOR MCB	10 AMP
DEPOSIT BRAKE MCB	.5 AMP
ROTARY HEAD MCB	2 AMP
TRAYTRAVEL MOTOR MCB	2 AMP
CONTROL LIGHT MCB	.5 AMP



PE ✓

MACHINING. ▽ COARSE FINISH (N9). ▽▽ MEDIUM FINISH (N8). ▽▽▽ FINE FINISH (N7). G. GROUND FINISH (N6)

OPEN TOL. 150 & BELOW ± .5, OVER 150 ± 1.0 | DECIMAL DIMS. 75 & BELOW ± .25.75 TO 300 ± .4.300 TO 600 ± .5, OVER 600 ± 1.0

Title: COMPONENT LAYOUT for BASE PANEL MK 9 DEPOSITOR.

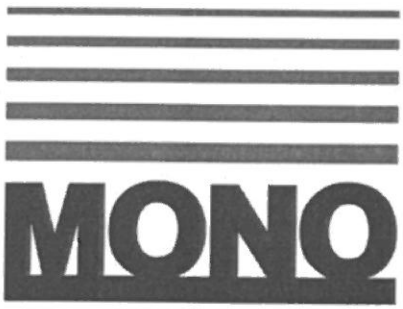
No. Req'd	——	Drawn: L. Richards	
Material:	——	Date: 24th JAN. '85.	
Finish:	——	Scale: ——	

mono
MONO EQUIPMENT LTD.
QUEENSWAY,
SWANSEA INDUSTRIAL ESTATE.
FFORESTFACH. SWANSEA SA5 4EE

Drawing No. M072-08D025-0 | Change A.

1st FEB. '85	CR	UPDATE TO MEET SPEC'N REQ'D FOR FRANCE.	ECN 642.

AC 84 12



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Email:mono@monoequip.com

www.monoequip.com