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# 1-1. Unpacking:

Before unpacking, make sure the carton configuration not damaged, broken or parts extruded, if any above defect case is found, contact your retailer to change a new one as soon as possible.

Unpacking procedure:

- 1. Carefully open the carton. (Pull it from the bottom to the top)
- 2. Take out and read the manual, check parts list and relative attachments.
- 3. Inspect the machine outline if it is in normal condition or not. Crack, rust, collapse and separate are strictly prohibited.
- 4. Cleaning the surface of the machine.
- 5. Assemble the drill machine based on manual, instruction guide.

## 1-2. Transportation instruction:

- 1. Please refer to instruction manual in specification and machine weight to arrange handling manner. Be sure to use capable fork lifter or hoist to lift of machine.
- 2. The handling and transportation shall be carried out by qualified persons.
- 3. Fork lift or hoist can be used in handling and shall be operated by qualified driver.
- 4. While transportation, keep attention to the balance of machine.
- 5. During handling, the machine shall be lifted only in vertical direction.
- 6. Before handling, make sure all movable parts are secured in their position and all movable accessories should be removed from machine.
- 7. The steel rope should average pull the machine head, table and column tightly.
- 8. Keep all the processes in a carefully and slightly condition.
- 9. Bump or crash are strictly prohibited. It will cause precision shift and electronic controller damaged.







A=Pulley Cover	I=Base
B=Motor Handle	J=Locks table rotation
C=Motor	K=Table
D=Feed Handle	L= Chuck Guard
E=Depth Stop	M=Spindle
F=Locks table height	N=Emergency Stop Button
G=Raises/lowers table	O=Belt Tension Lock
H= Displays current table-tilt angle.	P=ON/OFF Switch



# **1-4 Unpacking and Checking List**

### 1. Unpacking

Before unpacking, mark sure the carton configuration have no damaged, broken or parts extruded, if found above defect case, contact to your retailer for change a new one as soon as possible.

Unpacking procedure:

- 1. Carefully open the carton. (Pull it from the bottom to the top)
- 2. Take out and read the manual, check parts list and relative ancillary.
- 3. Inspect the machine outline if it is in normal condition or not. Crack, rust, collapse and separated are strictly prohibited.
- 4. Cleaning the surface of the machine.
- 5. Assembly the drill machine base on manual, instruction guide.



		Qty
1	Base	1
2	Table Support Assembly	1
3	Table	1
4	Chuck	1
5	Chuck Guard	1
6	Arbor MT2×JT3 For PD28	1
0	Arbor MT3×JT3 For PD35	
7	Headstock Assembly	1
8	Column Ring	1
9	Pulley Cover Knob	1
10	Grip	3
11	Feed Handle	3
12	Column	1
13	Hex Wrench 3mm	1
14	Hex Wrench 4mm For PD35	1
15	Hex Wrench 5mm For PD28	1
13	Hex Wrench 6mm For PD35	1
16	Drift Key	1
17	Rack	1
18	Raises/Lowers table	1
19	Hex Bolt	4
20		



# 1-5 Site Considerations

#### **Working Clearances**

Consider existing and anticipated needs, size of material to be processed through each machine, and space for auxiliary stands, work tables or other machinery when establishing a location for your machine. See **Figure 01**.



### 1-6 Items Needed for Set Up

### 1.Column and Base

The column must be secured on the base to properly assemble your drill press. To secure the column to the base:

- 1. Place the column on the base and align the mounting holes.
- 2. Secure the column to the base with the four hex bolts, as shown in Figure 02





### 2.Table Support

The table support must be installed as described to properly assemble your drill press.

### To install the table support:

1. Check to make sure the pinion is inserted into the table support, as shown in **Figure 03**, so the pinion and gear teeth mesh together.



- 2. Mark the top of the rack, as shown in Figure 04, to keep track of which end is up.
- 3. Place the rack inside of the table support assembly, mesh it together with the pinion, and slide the table support/rack assembly over the column, as shown in **Figure 04**.
- 4. Slide the column ring over the column with the beveled edge facing down (**Figure 05**), fit the beveled edge of the column ring over the rack, and tighten the setscrew. Note: Do not over-tighten the setscrew or you may split the column ring. Also make sure the rack is seated firmly in the lower ring. (**Figure 06**)





5. Install the crank lever over the pinion shaft, and tighten the setscrew in the crank handle against the flat part of the pinion shaft. (Figure 07)



- 6. Insert the table shaft into the table support assembly. Tighten the small locking lever (**Figure 08**) to secure the table in the table support assembly
- 7. The headstock must be mounted on the column/base assembly before the drill press can be operated. Moving and installing the headstock is a two-person job. (Figure 09)
- 7-1. Loosen the two set screws on the right side of the headstock enough so they are flush with the inside pocket of the headstock.
- 7-2. With the help of an assistant, lift the headstock assembly above the column, and gently slide it down the column as far as it will go.





9. Suspend a plum bob from the center of the headstock spindle so it is over the tape/ruler as shown in

Figure 11. Center the headstock directly over the base as indicated by the plum bob and ruler.

10. Tighten the two headstock setscrews to the column, as shown in Figure 11.



11. The downfeed handles must be installed to operate the drill press.

#### To install the downfeed handles:

Thread the handles into the spindle hub, as shown in Figure 12, and tighten.





12. Install the belt cover knob in its place (see Figure 13 for location).



13. Chuck Guard & Parts List (Figure 14)







### $1\mathchar`-7.$ To assemble the drill chuck and mount it to the spindle:

1. The drill chuck attaches to the spindle by means of the arbor, shown in **Figure 15.** Matched tapers on the arbor and the inside of the chuck create a semipermanent assembly when properly joined.



2. Use mineral spirits to thoroughly clean the drill chuck, arbor, and spindle sockets and dry all surfaces before assembly. Follow all safety warnings on the container of the mineral spirits. Failure to clean the mating surfaces may cause the tapered fit to loosen during operation, resulting in separation and an unsafe condition. **Figure 16.17.18** 



2. Use the chuck key to adjust the jaws of the drill chuck until they are inside the drill chuck body. **Figure 19.20** 



3. Place the drill chuck face down on a workbench. The arbor has a short taper and a long taper. Place the short taper into the socket in the back of the drill chuck and tap it with a rubber or wooden mallet, as shown in **Figure 21**. If the chuck fails to remain secure on the arbor, repeat Steps 16 & 17.



4. Slide the arbor into the spindle socket while slowly rotating the drill chuck. The socket has a rectangular pocket where the tang (or flat portion of the arbor shown in Figure 21) fits into.5. Seat the chuck with a rubber mallet, as shown in Figure 22.



## 1-8. Setting the machine instruction:

1. The machine base with setting hole will be set on concrete floor.

The outlined procedures of setting the machine	MODEL	AREA	SETTED SCREW
	PD-28 series	X=900×700	M12
	PD-35 series	X=900×700	M12
19990 9989 89 80 8			
Starting Williams and Starting			
×			

2. The dimension of setting hole:





## 2. Safety Instruction:

	Please read the safety instruction and operation instruction carefully.
	Please do wear a safety glass to avoid any material from coming into the eyes whilst operation.
	Please do wear ear mufflers or earplugs to avoid any noise from hurting the listening whilst operation.
	Please do wear proper work clothing whilst operation. Loose clothing or tie are prohibited to avoid any unnecessary incident.
$\Theta$	If a operator has long hair, please do fix the hair or use cap to avoid the hair from being drawn into it.
	A processing workpiece shall be fixed firmly to avoid it from being thrown out whilst operation.
	Please keep both hands far from the rotating tool whilst operation. Cotton gloves are prohibited to avoid from being drawn into cutter.
	Please pull out the power plug to avoid any electric shock incident whilst product maintenance or repair.



- 1. Make sure the power voltage is for the machine. Before connecting the plug to socket, it is necessary to check the power spec. to avoid any damage occurring.
- 2. If the machine is not used for a long time, the plug should be disconnected.
- 3. Never put the power cable near the fire or water environment, to break or press the power cable is not allowed.
- 4. It shall be stable and securely fixed in machine installation procedure for the machine to be used safely.
- 5. The working piece must be tightly fixed on table by vise or clamp.
- 6. Use recommended cutting liquid; consult the owner's manual for recommendation.
- 7. Feed speed should be executed under safety scope, please refer to manual 3-3.
- 8. Wear proper apparel, no loose clothing, gloves, neckties, ring, and bracelet during operation. Always wear safety glasses, cap and specific clothes.
- 9. Check all parts are in place and securely locked before transportation. Bump and crash are prohibited.
- 10. Regular maintenance and repaired should be executed in accordance with the rules of manual.
- 11. Use the industrial suction to clean the chip is recommended.
- 12. Use carrier to move the working piece which the weight is more than 10 kg is recommended.
- 13. Wear safety gloves when install the drilling bit or tooling to avoid hurting your hand is recommended.
- 14. This machine only be used following material brass, cast iron, steel, iron, aluminum .
- 15. It is prohibited to open the pulley cover during operation.
- 16. It is prohibited to use damaged or cracked parts
- 17. It is prohibited to remove the guard cover away during operation.
- 18. It is prohibited to move the table when machine is during operation.



- 19. It is prohibited to operate this machine beyond the limit of its capacity.
- 20. Refer to this instruction for details.
- 21. It is prohibited to insert one's hand or finger into the hole of working piece during operation.
- 22. It is prohibited all visitors and children should stand near work area while the machine during operation.
- 23. It is prohibited to wear gloves, neckties, ring, bracelet and loose clothing during operation.
- 24. It is prohibited to use plastic and wooden working.
- 25. Check again before switch on power,
  - A- Make sure the power voltage is for the machine.
  - B- Make sure the machine is completely assembled and installed
  - C- Make sure chuck, working table, working piece are completely secured or tightly fixed.
  - D- Make sure the chuck key is removed from chuck.
  - E- Make sure drill bit or tooling need to be fixed in the chuck.
- 26. Switch off power at once;
  - A- When fix or remove working piece.
  - B- When the normal maintenance, service, adjustment or repairing.
  - C- When the operator leaves the machine.
  - D- When correct work table adjustment and depth position.
  - E- When change or remove the drilling bit or tooling.
- 27. Working temp.5 --- 40°C, Humidity 40--- 50, Elevation 0 --- 1000 M

Storage temp -25--- 55°C

28. Operate location diagram for reference.

Diagr	am 1	Diagram 2
MODEL	Ultimate loading	
PD-28 series	30 kg	
PD-35 series	50 kg	









## 3-2. Operation illustration and procedure:

1. There are three T grooves in the worktable. It is used to fix the work piece.

1-1. There are two T grooves in the base, too. It is convenient for fixing the longer, heavier and larger working piece.



OPTION

2. The pulley cover is strictly prohibited to open in normal operation condition.



3. Protect safety guard shall be allocated in a proper position in operation. It is controlled by a micro witch.





4. Adjustment of feeding limit

To prevent unwanted penetration to work piece, the feeding limit shall be set by adjusting the appropriate position of feeding depth fixing button as long as the distance between the end of tool and top surface if work piece is measured.

- A. Setting of feeding depth
- 1. Loosen knob A.
- 2. Turn scaled ring B to desired feeding depth.
- 3. Lock knob A.



### METALMASTER

### 3-3. Operation tips and sound pressure: Speed Selection

Open pulley case and check if spindle speed min-1or/min (R.P.M.) is correct for your job. Recommended

	Material									
Drill	Cast	Iron	Ste	el	Ir	on	Alum	inium	Alloy (	Copper
m/m	V		V		V		V			
ø2	4780	2390	1275	635	3980	1910	7960	3980	4460	2230
ø3	3185	1590	850	425	2650	1275	5310	2655	2970	1485
ø <b>4</b>	2390	1195	640	320	1990	955	3980	1990	2230	1115
ø5	1910	955	510	255	1590	765	3185	1590	1785	890
ø6	1590	795	425	210	1330	640	2655	1330	1485	745
ø <b>7</b>	1365	680	365	180	1140	545	2275	1140	1275	635
ø8	1195	600	320	160	995	480	1990	995	1115	555
ø <b>9</b>	1060	530	285	140	885	425	1770	885	990	495
ø10	955	480	255	125	800	380	1590	800	890	445
ø11	870	435	230	115	725	350	1450	725	910	405
ø12	795	400	210	105	665	320	1330	665	745	370
ø13	735	365	195	100	610	295	1225	610	685	340
ø14	680	340	180	90	570	270	1135	570	635	320
ø15	640	320	170	85	530	255	1060	530	600	300
ø16	600	300	160	80	500	240	995	500	560	280
ø17	560	280	150	75	470	225	935	470	525	260
ø18	530	265	140	70	440	210	885	440	495	250
ø19	500	250	135	67	420	200	835	420	470	235
ø20	480	240	130	65	400	190	795	400	445	225
ø25	380	190	100	50	320	155	640	320	355	180
ø30	320	160	85	45	265	130	530	265	300	150
ø40	240	120	65	30	200	95	400	200	225	110

note Processing is adjustable on the cutting materials as well as the material of the cutting to real cutting conditions.

A- weighted sound pressure level measuring under no load

Drilling-series Operator position

```
Lpa= 62 \quad dB(A)
```

#### A-weighted sound pressure level measuring under load

Drilling- series Operator position





Models belt model tables

Machine model	Belt specifications	Quantity
PD-28 series	Spindle A25 / Motor A26	2
PD-35 series	Spindle LB-35 / Motor B30	2

# 3-4. Withdraw drill bit :

The arbor can be removed to install another drill chuck in the spindle. A drift key is included to help remove the arbor from the spindle. Usually, once the chuck and arbor have been properly mounted together, they are considered semi-permanent connections.

(If you would like to install a different chuck, we recommend getting a new arbor for that chuck.)

### To remove the drill chuck and arbor:

- 1. Unplug the drill press!
- 2. Rotate the spindle handles until the drift-key slot is exposed in the side of the quill.
- 3. Loosen the lock knob and rotate the hub (Figure 23) clockwise until it stops.
- 4. Tighten the lock knob. The quill should not return up into the head casting.
- 5. Rotate the spindle until the inner drift-key slot is aligned with the outer slot, as shown in (**Figure 24**). You will see through the spindle when the slot is properly aligned.
- 6. Insert the drift key into the drift-key slot.
- 7. Tap the drift key with a rubber or wooden mallet, as shown in (Figure 25), until the chuck releases.
- 8. Hold a downfeed handle with one hand, and loosen the lock knob with the other hand.
- 9. Carefully retract the quill into the headstock.
- 10. Don't push spindle stroke too long to avoid spindle stick. (Figure 26)











# 4. Trouble – Shooting;

Warning: Switch off power and remove plug from power source outlet before trouble shooting.



NO.	SYMPTOM	DISPOSITION
1	Drill insert in working piece and spindle shaft stop	<ol> <li>Push emergency button</li> <li>Turn off the power</li> <li>Use hand to turn the spindle shaft countermarch. Let the tool withdraw from the working piece.</li> <li>Suction the chip on the hole.</li> <li>Turn on power again.</li> <li>Adopt slowly feed make sure in normal condition then recovery the normal feed.</li> </ol>
2	Cutting liquid in abnormal condition and can not supply the adequate quantity.	<ol> <li>Check the pump is running or not</li> <li>Check if the hose is leaking or not.</li> </ol>
3	Spindle shaft can not running completely	<ol> <li>Check the belt tension condition</li> <li>If belt tension is too loose, adjust the belt shifter, otherwise change the aging belt.</li> </ol>
4	Motor do not work	<ol> <li>Check the power and switch</li> <li>Check the power cable is damaged or not if cable is broken, change it directly.</li> </ol>
5	Spindle shaft has noise	<ol> <li>Check bearing</li> <li>Check V – belt, if tightly degree over specific tension will cause noise.</li> </ol>
6	Drill oscillation	<ol> <li>Check chuck condition</li> <li>Make sure the drill is properly fixed in the chuck.</li> </ol>

## 5. Maintenance:

Warning: Switch off power and remove plug from power source outlet before maintenance.





# 5-1. Feed Shaft Spring Tension:

The feed shaft return spring is adjusted at the factory; however, during the life of the drill press you may want to adjust the feed shaft return spring so the feed shaft return pressure suits your operating needs.

### To adjust the feed shaft spring tension:

- 1. UNPLUG THE DRIL PRESS
- 2. Wipe off any oil on the spring lock cover so it does not slip in your fingers when you hold the cover from spinning (see **Figure 28**).
- 3. While holding the spring lock cover against the side of the head stock so the cover stays splined with the locking lug; loosen the jam nut and loosen the cover nut approximately 1/4" (see **Figure 30**).
- 4. Put on heavy leather gloves to protect your hands from possible lacerations if the spring uncoils during the next step.
- 5. Pull the cover outward just enough to disengage the spring-cover lock slot from the locking lug. Note: It is important to keep a good grip during this step. Letting go of the cover will cause the spring to rapidly uncoil.
- 6. Rotate the cover counterclockwise to increase spring tension, or let the cover slowly unwind in the clockwise direction to reduce spring tension.
- 7. Engage the next available spring-cover lock slot with the locking lug and hold the spring lock cover tightly against the side of the headstock.
- 8. Snug the cover nut against the spring cover just until the nut stops, and then back off the nut approximately 1/3 turn, or just enough so there is no binding at complete spindle travel.
- 9. Hold the cover nut and tighten the jam nut against the cover nut.





# 6. Specification;

Item	Model	PD-28	PD-35	PD-35S	PD-35B				
	Drilling capacity	Ø <b>20</b> mm	Ø <b>25</b> mm		Ø <b>25</b> mm		Ø25mm		Ø <b>30</b> mm
	Tapping capacity								
	Spindle taper	M.T.#2	M.T.#3		M.T.#3 M.T.#3		M.T.#3		
	Spindle travel	80mm	125mm		125mm		125mm		
Bir	Spindle speed (rpm)	300-2360/min	180 – 1680/min		180-1680/min		90 – 1680/min		
	Number of speeds	12 steps	9 steps		9 steps 9×2 step		9×2 steps		
	Motor	0.75k	cW/240V1Ph		0.75kW/415V3Ph				
<b>_</b> Kg	Net weight (kgs)	N.W-98Kg	N.W-143Kg	N.W-135Kg	N.W-154Kg				

Dimensions(m/m)

		PD-28	PD-35 / 35B	PD-35S
	Α	1710	1660	1285
	В	472	450	)
	С	C	$C=500 \times c1=330$	
	D	Dxd1=280	D=350×	d1=350
A d1	Е	750	720	460
	F	1280	1140	765
	G	640	725	5
T for table	Η	180	225	5
	Ι	Ø80	Ø92	2
	Т	12	12	



### 7. Control circuit diagram and component part list;



### PARTS LIST

#### **PD-35B**

Part No.	Component/Object	Type/Model	Ratings/Technical Data	Pcs
M1	MOTOR	PD-35B	0.75kW/415V 50Hz/3PH	1
KM1	MAGNETIC CONTACTOR	HUEB-11K (CU-11)	415V/24A	1
OL	SERIES OVERLOAD RELAY	RHU-10K1	2.3-3.2A	1
SQ1	LIMIT SWITCH	VM5-00N	5A/250S	1
SQ2	MICRO SWITCH CHUCK GUARD	VM5-00N	5A/250S	1
SB1	PUSH BUTTON	CAN-1	INO AC 480V, 1.5A	1
SB2	EMERGENCY STOP	ALEPB25-1/C	INC AC 250V, 3A	1
SA	CAM SWITCH	AC-22A	AC600V 16A	1







PARTS LIST

### PD-28/35/35S

Part No.	Component/Object	Type/Model	Ratings/Technical Data	Pcs
M1	MOTOR	PD-28/35/35S	1HP/240V 50Hz/1PH	1
JD3	CONTACT RELAY	JD3	AC 230V 16A	1
SQ1	LIMIT SWITCH	VM5-00N	5A/250S	1
SQ2	MICRO SWITCH	VM5-00N	5A/250S	1
	CHUCK GUARD			
EM	EMERGENCY STOP	ALEPB25-1/C	INC AC 250V, 3A	1





### 8. Drawing and parts list;



### **PD-35B**



### 

### **PD-35 series**

1	BASE
2	COLUMN HOLDER
2-S1	BOLT
2-S2	SPRING WASHER
3	COLUMN
5	TABLE BRACKET
5A	OILCUP
5-S1	PIN
6	GEAR
7	GEAR BRACKET
8	WORM
9	TABLE HANDLE
9-S1	SET SCREW
11	TABLE ARM BRACKET
11-S1	BOLT
11.52	SPRING WASHER
1/	ANGLE SCALE
14	SCALE
15	CLAMPHANDLE
10	TABLE BOLT
1/	TADLE DOLI TADI E SWIVEL TVDE
10	IABLE SWIVEL I IFE
19	RACK DACK DINIC
20	RACK KIING
20-51	JEI SCREW
22	HEAD BOD I
22A	FEED SHIFT COVER
22-51	
22-55	PIIN SET SODEW
22-84	SEI SCREW
22-55	
22-50	SET SCREW
22-58	LEAD BOLI
20	SHIFTER BAR
27	SHIFTER
27-51	SEI SCREW
29L 205	SLIDE BAR (L)
295	SLIDE BAR (5)
29-51	WASHER MOTOD DASE
21.01	MUTOR BASE
31-51	SPRING WASHER
31-52	
34	HANDLE BODY
<u>35</u>	FEED SHAFI
33-81	
40	CDD
41	
42	SCALE KING
44	ANGLE SCALE
45	KIVEI
41	SPRING CAP
49	NUT

53RUBBER WASHER54SPINDLE55BALL BEARING56THRUST BEARING57BALL BEARING58SPINDLE NUT59SPINDLE SLEEVE60BALL BEARING61COLLAR62SNAP RING63PULLEY NUT64SPINDLE PULLEY65TAPER ARBOR66DRILL CHUCK67DRILL SHIFTER68MOTOR68-S1BOLT68-S2WASHER68-S3NUT69MOTOR WIRE73MOTOR PULLEY73.51SET SCREW76WIRE78SWITCH (ForPD-35B)78-S1SCREW79SWITCH COVER79.51SCREW81PULLEY COVER KNOB85-S1PULLEY COVER KNOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY87BALL BEARING88PULLEY COVER SCREW86TRANSMITTING PULLEY87BALL BEARING88PULLEY COVER SCREW86TRANSMITTING PULLEY87BALL BEARING88PULLEY COVER SCREW90ALLEN WRENCHI91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW91MICRO SWITCH BOARD COVER9	52	QUILL
54SPINDLE55BALL BEARING56THRUST BEARING57BALL BEARING58SPINDLE NUT59SPINDLE SLEEVE60BALL BEARING61COLLAR62SNAP RING63PULLEY NUT64SPINDLE PULLEY65TAPER ARBOR66DRILL CHUCK67DRILL SHIFTER68MOTOR68-S1BOLT68-S2WASHER68-S3NUT69MOTOR WIRE73MOTOR PULLEY73.S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW81PULLEY COVER81PULLEY COVER85PULLEY COVER SCREW86TRANSMITTING PULLEY85.S1PULLEY COVER SCREW86TRANSMITTING PULLEY87BALL BEARING87BALL BEARING88PULLEY COVER SCREW86TRANSMITTING PULLEY87BALL BEARING88PULLEY COVER SCREW86TRANSMITTING PULLEY90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BOARD COVER	53	RUBBER WASHER
55BALL BEARING56THRUST BEARING57BALL BEARING58SPINDLE NUT59SPINDLE SLEEVE60BALL BEARING61COLLAR62SNAP RING63PULLEY NUT64SPINDLE PULLEY65TAPER ARBOR66DRILL CHUCK67DRILL SHIFTER68MOTOR68-S1BOLT68-S2WASHER68-S3NUT69MOTOR WIRE73MOTOR PULLEY73.S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW79-SSUTCH COVER79-S1SCREW81PULLEY COVER KNOB85-S1PULLEY COVER KNOB85-S1PULLEY COVER KNOB85-S1PULLEY COVER KNOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY87BALL BEARING88PULLEY COVER KNOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY87BALL BEARING88PULLEY SHAFT90ALLEN WRENCHL91ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BOARD COVER	54	SPINDLE
56THRUST BEARING57BALL BEARING58SPINDLE NUT59SPINDLE SLEEVE60BALL BEARING61COLLAR62SNAP RING63PULLEY NUT64SPINDLE PULLEY65TAPER ARBOR66DRILL CHUCK67DRILL SHIFTER68MOTOR68-S1BOLT68-S2WASHER68MOTOR WIRE73MOTOR PULLEY73-S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW79-S1SCREW79-S1SCREW81PULLEY COVER81-S1SCREW85PULLEY COVER KNOB85-S1PULLEY COVER KNOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT90ALLEN WRENCHI91ALLEN WRENCHI91ALLEN WRENCHI93MICRO SWITCH BOX93:ASPRING SHEET93:ASPRING SHEET93:S2NUT94:S2SPRING WASHER94:S3SCREW101MICRO SWITCH BOARD COVER94:S2SPRING WASHER94:S3SCREW101MICRO SWITCH BOARD COVER	55	BALL BEARING
57BALL BEARING58SPINDLE NUT59SPINDLE SLEEVE60BALL BEARING61COLLAR62SNAP RING63PULLEY NUT64SPINDLE PULLEY65TAPER ARBOR66DRILL CHUCK67DRILL SHIFTER68MOTOR68-S1BOLT68-S2WASHER68MOTOR WIRE73MOTOR PULLEY73.51SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW79SWITCH COVER79.51SCREW81PULLEY COVER KNOB85-S1PULLEY COVER KNOB85PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT90ALLEN WRENCHL91ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93-S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BACKET101AMICRO SWITCH BAACKET101AMICRO SWITCH BAACKET	56	THRUST BEARING
51         DILE NUT           59         SPINDLE SLEEVE           60         BALL BEARING           61         COLLAR           62         SNAP RING           63         PULLEY NUT           64         SPINDLE PULLEY           65         TAPER ARBOR           66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73.51         SET SCREW           76         WIRE           78         SWITCH           78         SWITCH COVER           79.51         SCREW           81         PULLEY COVER KNOB           85.51         PULLEY COVER KNOB           85.51         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           87 <t< th=""><th>57</th><th>BALLBEARING</th></t<>	57	BALLBEARING
59         SPINDLE SLEEVE           60         BALL BEARING           61         COLLAR           62         SNAP RING           63         PULLEY NUT           64         SPINDLE PULLEY           65         TAPER ARBOR           66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73.51         SET SCREW           76         WIRE           78         SWITCH           78         SWITCH COVER           79         SWITCH COVER           79-S1         SCREW           81         PULLEY COVER KNOB           85-S1         PULLEY COVER KNOB           85-S1         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           87	58	SPINDLE NUT
57         SITA VELSALLAYE           60         BALL BEARING           61         COLLAR           62         SNAP RING           63         PULLEY NUT           64         SPINDLE PULLEY           65         TAPER ARBOR           66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73.51         SET SCREW           76         WIRE           78         SWITCH           78         SCREW           79.51         SCREW           79.51         SCREW           81         PULLEY COVER           85         PULLEY COVER KNOB           85.51         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           86.5         TRANSMITTING PULLEY           86.5         TRANSMITTING PULLEY           86.5         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           87         BALL BE	59	SPINDLE SLEEVE
60         DRL2 DENERTO           61         COLLAR           62         SNAP RING           63         PULLEY NUT           64         SPINDLE PULLEY           65         TAPER ARBOR           66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73.51         SET SCREW           76         WIRE           78         SWITCH           78         SCREW           79         SWITCH COVER           79         SWITCH COVER           79         SWITCH COVER           79-S1         SCREW           81         PULLEY COVER KNOB           85         PULLEY COVER KNOB           85         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           86         TRANSMITTING PULLEY           86         TRANSMITTING PULLEY           87         BALL BEARING           88         PULLEY SHAFT     <	60	BALL BEARING
61         COLLAR           62         SNAP RING           63         PULLEY NUT           64         SPINDLE PULLEY           65         TAPER ARBOR           66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73.         SET SCREW           76         WIRE           78         SWITCH           78         SCREW           79.         SWITCH COVER           79.         SWITCH COVER           79.         SWITCH COVER           79.         SUTCH COVER           81         PULLEY COVER KNOB           85.         PULLEY COVER KNOB           85.         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           86         TRANSMITTING PULLEY           86         TRANSMITTING PULLEY           86         TRANSMITTING PULLEY           87         BALL BEARING           88         PULLEY SH	61	COLLAR
02         SIVAL KUNO           63         PULLEY NUT           64         SPINDLE PULLEY           65         TAPER ARBOR           66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73.S1         SET SCREW           76         WIRE           78         SWITCH           78         CAN SWITCH (ForPD-35B)           78-S1         SCREW           79         SWITCH COVER           79.51         SCREW           81         PULLEY COVER KNOB           85.51         PULLEY COVER KNOB           85.51         PULLEY COVER SCREW           86         TRANSMITTING PULLEY	62	SNAPPING
63         FOLLE TINOT           64         SPINDLE PULLEY           65         TAPER ARBOR           66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73.S1         SET SCREW           76         WIRE           78         SWITCH           78         SANTCH (ForPD-35B)           78.S2         NUT           79         SWITCH COVER           79.S         SCREW           81         PULLEY COVER           85         PULLEY COVER KNOB           85.S1         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           86.         TRANSMITTING PULLEY           87         BALL BEARING           88         PULLEY SHAFT           90<	62	
64SPINDLE PULLEY65TAPER ARBOR66DRILL CHUCK67DRILL SHIFTER68MOTOR68-S1BOLT68-S2WASHER68-S3NUT69MOTOR WIRE73MOTOR PULLEY73.S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW79.S1SCREW79SWITCH COVER79.S1SCREW81PULLEY COVER KNOB85PULLEY COVER KNOB85.S1PULLEY COVER KNOB85.S1PULLEY COVER SCREW86TRANSMITTING PULLEY87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S2NUT94-S2SCREW101MICRO SWITCH BAACKET101AMICRO SWITCH BAACKET	03	CONDUE DUI LEV
65         TAPER ARBOR           66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73-S1         SET SCREW           76         WIRE           78         SWITCH           78         CAN SWITCH (ForPD-35B)           78-S1         SCREW           78         SUTCH COVER           79         SWITCH COVER           79.51         SCREW           81         PULLEY COVER KNOB           85         PULLEY COVER KNOB           85         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           87         BALL BEARING	64	SPINDLE PULLEY
66         DRILL CHUCK           67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73         SET SCREW           76         WIRE           78         SWITCH           78         SCREW           78.51         SCREW           78.52         NUT           79         SWITCH COVER           79.51         SCREW           81         PULLEY COVER           81         PULLEY COVER KNOB           85.51         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           86.51         SNAP RING           87         BALL BEARING           88         PULLEY SHAFT           90         ALLEN WRENCHL           91         ALLEN WRENCHS           92         MICRO SWITCH BOX           93A         SPRING SHEET           93.52         NUT           94         CLUTCH           94-S1         NUT           94-S	65	TAPER ARBOR
67         DRILL SHIFTER           68         MOTOR           68-S1         BOLT           68-S2         WASHER           68-S3         NUT           69         MOTOR WIRE           73         MOTOR PULLEY           73.S1         SET SCREW           76         WIRE           78         SWITCH           78         CAN SWITCH (ForPD-35B)           78-S1         SCREW           79         SWITCH COVER           79.51         SCREW           81         PULLEY COVER           81         PULLEY COVER KNOB           85         PULLEY COVER KNOB           85.51         PULLEY COVER SCREW           86         TRANSMITTING PULLEY           87         BALL BEARING           88         PULLEY SHAFT           90         ALLEN WRENCHIL           91         ALLEN WRENCHS           92         MICRO SWITCH BOX	66	DRILLCHUCK
68MOTOR68-S1BOLT68-S2WASHER68-S3NUT69MOTOR WIRE73MOTOR PULLEY73-S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78.SUTCH COVER79.SWITCH COVER79.SWITCH COVER79.SCREW81PULLEY COVER KNOB85.PULLEY COVER KNOB85.PULLEY COVER SCREW86TRANSMITTING PULLEY86.S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93.S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BOARD COVER101AMICRO SWITCH BOARD COVER	67	DRILL SHIFTER
68-S1BOLT68-S2WASHER68-S3NUT69MOTOR WIRE73MOTOR PULLEY73.S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78SVITCH COVER79SWITCH COVER79.S1SCREW81PULLEY COVER85PULLEY COVER KNOB85PULLEY COVER SCREW86TRANSMITTING PULLEY86SNAP RING87BALL BEARING88PULLEY SHAFT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	68	MOTOR
68-S2WASHER68-S3NUT69MOTOR WIRE73MOTOR PULLEY73.S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78-S2NUT79SWITCH COVER79.S1SCREW81PULLEY COVER85PULLEY COVER KNOB85.S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	68-S1	BOLT
68-S3NUT69MOTOR WIRE73MOTOR PULLEY73-S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78-S2NUT79SWITCH COVER79.S1SCREW81PULLEY COVER85PULLEY COVER KNOB85.S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW94-S2NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	68-S2	WASHER
69MOTOR WIRE73MOTOR PULLEY73-S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78.NUT79SWITCH COVER79.SCREW81PULLEY COVER85PULLEY COVER KNOB85.PULLEY COVER SCREW86TRANSMITTING PULLEY86SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	68-S3	NUT
73MOTOR PULLEY73-S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78-S2NUT79SWITCH COVER79.S1SCREW81PULLEY COVER81.SCREW85PULLEY COVER KNOB85.PULLEY COVER SCREW86TRANSMITTING PULLEY86.SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93.S1SCREW93.S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	69	MOTOR WIRE
73-S1SET SCREW76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78-S2NUT79SWITCH COVER79.S1SCREW81PULLEY COVER81.S1SCREW85PULLEY COVER KNOB85.S1PULLEY COVER SCREW86TRANSMITTING PULLEY86.S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	73	MOTOR PULLEY
76WIRE78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78-S2NUT79SWITCH COVER79.S1SCREW81PULLEY COVER81.S1SCREW85PULLEY COVER KNOB85.S1PULLEY COVER SCREW86TRANSMITTING PULLEY86.S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	73-S1	SET SCREW
78SWITCH78CAN SWITCH (ForPD-35B)78-S1SCREW78-S2NUT79SWITCH COVER79.51SCREW81PULLEY COVER81PULLEY COVER KNOB85PULLEY COVER KNOB85PULLEY COVER SCREW86TRANSMITTING PULLEY86.51SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	76	WIRE
78CAN SWITCH (ForPD-35B)78-S1SCREW78-S2NUT79SWITCH COVER79-S1SCREW81PULLEY COVER81.51SCREW85PULLEY COVER KNOB85.51PULLEY COVER SCREW86TRANSMITTING PULLEY86.51SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	78	SWITCH
78-S1SCREW78-S2NUT79SWITCH COVER79-S1SCREW81PULLEY COVER81.51SCREW85PULLEY COVER KNOB85.51PULLEY COVER SCREW86TRANSMITTING PULLEY86.51SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	78	CAN SWITCH (ForPD-35B)
70-51SCREM78-S2NUT79SWITCH COVER79-S1SCREW81PULLEY COVER81-S1SCREW85PULLEY COVER KNOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	78-S1	SCREW
79SWITCH COVER79-S1SCREW81PULLEY COVER81-S1SCREW85PULLEY COVER KNOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	78-S2	NUT
79-S1SCREW81PULLEY COVER81.S1SCREW85PULLEY COVER KNOB85.S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	79	SWITCH COVER
81PULLEY COVER81PULLEY COVER81-S1SCREW85PULLEY COVER KNOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	79-51	SCREW
81-S1SCREW85PULLEY COVER KNOB85PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93SPRING SHEET93-S1SCREW94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	81	PULLEYCOVER
81-51SCREW85PULLEY COVER KNOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	81-S1	SCREW
85FOLLL'I COVER KINOB85-S1PULLEY COVER SCREW86TRANSMITTING PULLEY86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH BOX93SPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	85	PLILLEV COVER KNOB
85-51FOLLL'I COVER SCREW86TRANSMITTING PULLEY86SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	85 S1	PULLEY COVER SCREW
80INALSMITTINOT OLLET86-S1SNAP RING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW94CLUTCH94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	86	TRANSMITTING PULLEY
80-31SINAP KING87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	00 96 S1	SNADDING
87BALL BEARING88PULLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET	00-31	
88POLLEY SHAFT89V-BELT90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER	8/	BALL BEAKING
89V-BELI90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BRACKET101BMICRO SWITCH BOARD COVER	88	PULLET SHAFT
90ALLEN WRENCHL91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER	89	V-BELI
91ALLEN WRENCHS92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER	90	ALLEN WRENCHL
92MICRO SWITCH93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER	91	ALLEN WRENCHS
93MICRO SWITCH BOX93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER	92	MICRO SWITCH
93ASPRING SHEET93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER101BMICRO SWITCH BOARD COVER	93	MICRO SWITCH BOX
93-S1SCREW93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER101BMICRO SWITCH BOARD COVER	93A	SPRING SHEET
93-S2NUT94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER101BMICRO SWITCH BOARD COVER	93-S1	SCREW
94CLUTCH94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH BOARD COVER101BMICRO SWITCH BOARD COVER	93-S2	NUT
94-S1NUT94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH101BMICRO SWITCH BOARD COVER	94	CLUTCH
94-S2SPRING WASHER94-S3SCREW101MICRO SWITCH BRACKET101AMICRO SWITCH101BMICRO SWITCH BOARD COVER	94-S1	NUT
94-S3 SCREW 101 MICRO SWITCH BRACKET 101A MICRO SWITCH 101B MICRO SWITCH BOARD COVER	94-S2	SPRING WASHER
101     MICRO SWITCH BRACKET       101A     MICRO SWITCH       101B     MICRO SWITCH BOARD COVER	94-S3	SCREW
101A MICRO SWITCH	101	MICRO SWITCH BRACKET
101B MICRO SWITCH BOARD COVER	101A	MICRO SWITCH
	101B	MICRO SWITCH BOARD COVER
101C MICRO SWITCH WIRE		

101-S1	SCREW
101-S2	SCREW
101-S3	LEAD BOLT
102	SAFETY GUARD
102A	SAFETY GUARD SLIDE
102-S1	WASHER
102-S2	SCREW
102-S3	LEAD BOLT
103	BRACKET ROD
103A	SUPPORT ARM
103B	LOWER BRACKET ROD
103-S1	HEX NUT
103-S2	SPRING WASHER
103-S3	C-RING
103-S4	WASHER
103-S5	SCREW
104	EMERGENCY STOP SWTCH
104A	SWITCH COVER
104-S1	SCREW
108	MAGNETIC SWITCH