



Manual SCANTOOL

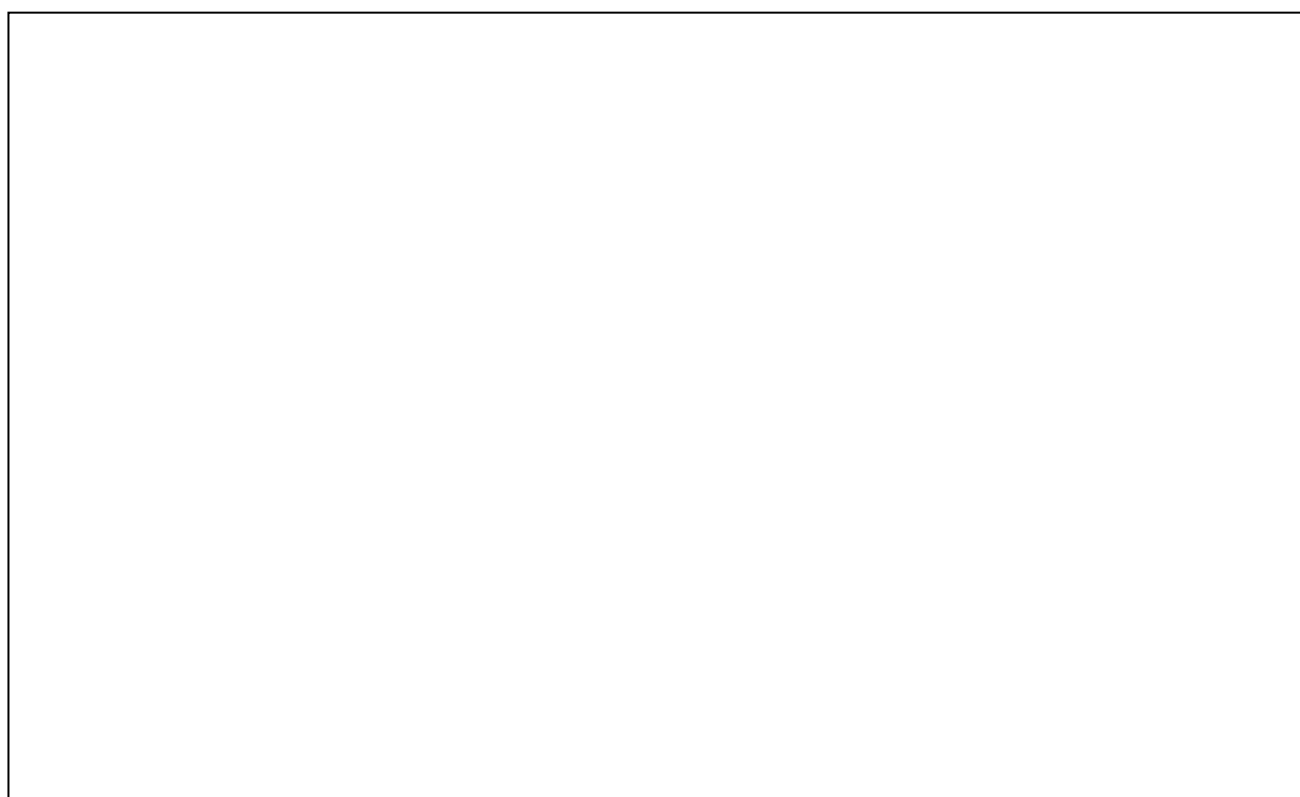
DRILL PRESS 25A



CE



READ THIS MANUAL BEFORE USE



DECLARATION OF CONFORMITY

We hereby declare that the concept and manufacturing of the machine mentioned below meets all safety and health prescriptions according mentioned below EU regulations. In case of technical modifications without permission this declaration is void.

MANUFACTURER:

SCANTOOL A/S
Industrivej 3-9
9640 Brovst

DESCRIPTION & IDENTIFICATION OF THE MACHINE:

EC DECLARATION OF CONFORMITY:

Low Voltage regulation (2014/35 / EU of 26 February 2014)
EMC 2014/30 / EU of 26 February 2014

RESPONSIBLE FOR THIS TECHNICAL DOCUMENTATION:

Director
Claus Nielsen



Table of Contents

1.	General safety instructions for Power Tools.....	5
1.1	General Safety Rules.....	6
1.2	Safety rules for stationary power tools.	6
2.	Main Specification.....	9
3.	Unpacking and checking contents	9
4.	List of Loose Parts in the box and bags.....	10
5.	Assembly.....	12
6.	Lubrication.....	13
7.	Maintenance.....	13
8.	Wire diagram	13
9.	Trouble Shooting	15
10.	Repair Parts	17
11.	Repair Parts	18
12.	Warranty.....	21

1. General safety instructions for Power Tools

1: KNOW YOUR POWER TOOL

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

2. GROUND ALL TOOLS

This tool is equipped with an approved 3 conductor and a 3-prong grounding type plug to fit the proper grounding type receptacle.

3. KEEP GUARDS IN PLACE

In working order and in proper adjustment and alignment.

4. WEAR PROPER APPAREL

Do not wear loose cloths, gloves, neckties, or jewelry (rings, wrist, watches) to get caught in moving parts. Wear protective hair covering to contain long hair. Roll long sleeves above the elbow.

5. USE SAFETY GOGGLES

6. KEEP WORK AREA CLEAN

Cluttered areas and benches invite accidents. Floor must not be slippery due to wax or sawdust.

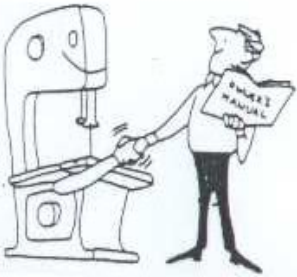
7. KEEP CHILDREN AWAY

1.1 General Safety Rules

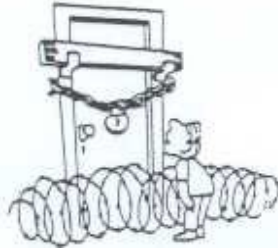
WARNING: When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

1.2 Safety rules for stationary power tools.

Follow them to achieve best results and full benefit from your new machine.

The good craftsman respects the tools with which he works. He knows they represent years of constantly improved design. He also knows that they are dangerous if misused. The safety rules are based on approved practices in industrial and home shops.	1. Know your power tool. Read the owner's manual carefully. Learn its applications and limitations, as well as the specific potential hazards peculiar to this tool. 
2. Keep guard in place and in working order. 	3. Ground all tools. If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter wire must be attached to a known ground. Never remove the third prong. 
4. Remove adjusting keys and wrenches. Form habit of checking to see that keys and adjusting wrenches is removed before turning it on. 	5. Cluttered areas and benches invite accidents. 
6. Avoid dangerous environment. Don't use power tools in damp or wet locations or expose them to rain. Keep your work area well lighted. 	7. Keep children away. All visitors should be kept in a safe distance from work area. 

8. Make workshop kid proof with padlocks, master switches, or by removing starter keys.



9. Don't force tool. It will do the job better and be safer at the rate for which it was designed.



10. Use right tool. Don't force tool or attachment to do a job it was not designed for.



11. Wear proper apparel. Wear no loose clothing, gloves, neckties, rings, bracelets, or other jewellery which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.



12. Always use safety glasses. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses. They are NOT safety glasses.



13. Secure works. Use clamps or vices to hold works, when practical. It's safer than using your hands and it frees both hands to operate tool.



14. Don't overreach. Always keep proper footing and balance.



15. Maintain tools with care. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.



16. Disconnect tools before servicing and when changing accessories such as grinding wheels, polishing mops, grinding belts, blades, bits, cutters, etc. Never leave a running machine, wait till the Machine has stopped. If parts of the machine are out of order the Machine should not be used before it has been repaired.		17. Reduce the risk of unintentional starting. Make sure switch is in off position before plugging in.	
18. Use recommended accessories. Consult owner's manual for recommended accessories. Use of improper accessories may cause risk of injury to persons.		19. Never work in a way that can hurt you. Do not stand in a bent position. Stand straight. Alcohol and other drugs are not to be taken while working with the machine.	

2. Main Specification

Chuck Capacity	20mm Distance
Spindle to column	254mm
Max.Spindle travel	120mm
Max.distance chuck to table	595mm
Max.distance chuck to base	1075mm
Overall dimensions (LXMXH)	1727x760x475mm
Net Weight	125 Kgs

Range of spindle speeds

12 speeds

Motor Speed		Spindle Speeds (min ⁻¹)											
50Hz	1400 min ⁻¹	120	200	250	360	400	450	950	1280	1520	1840	2240	3480
60Hz	1700 min ⁻¹	150	260	300	440	490	540	1150	1550	1840	2220	2950	4200

3. Unpacking and checking contents

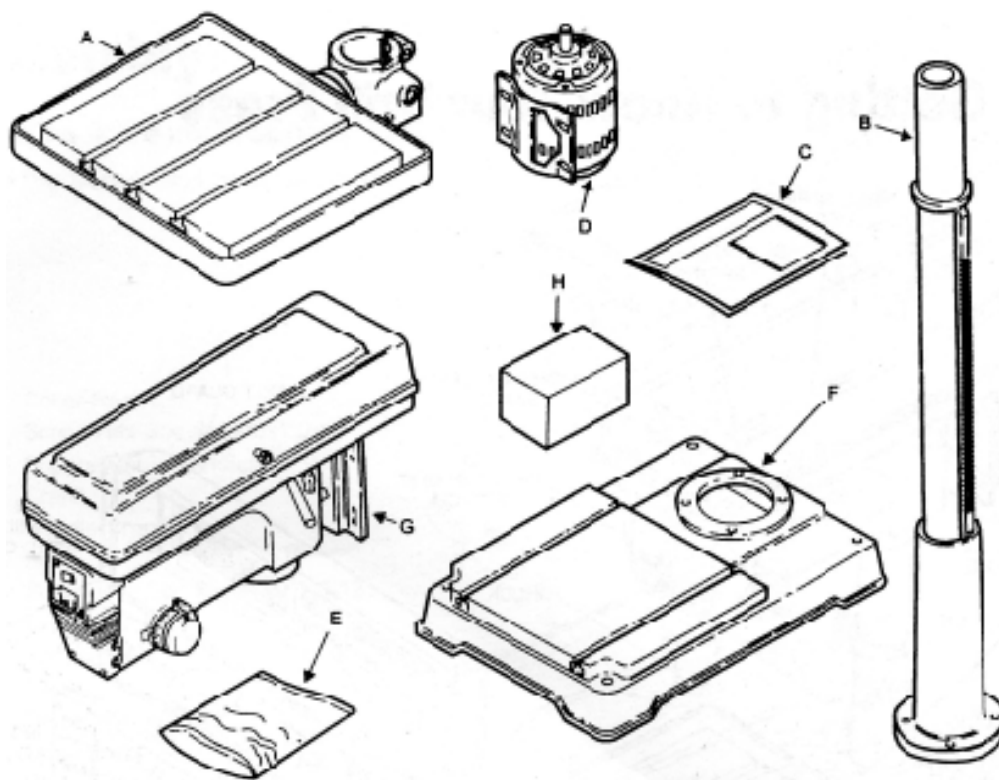
1. Unpacking and checking contents

Separate all the parts from packaging materials and check each item make sure all items are accounted for before discarding any packing material.

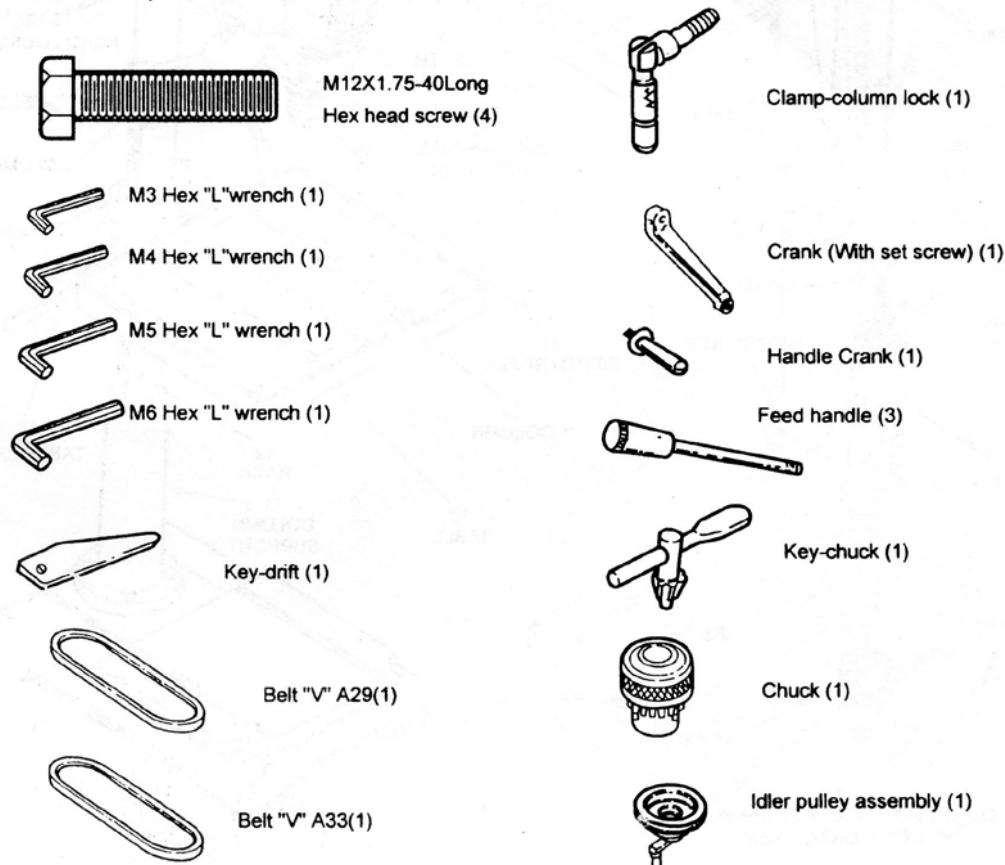
Item	Description	Qty
A	Table (square or Round)	1
B	Column Support Asm	1
C	Owner's Manual	1
D	Box of Loose Parts	1
E	Bag of Loose Parts	*
F	Base	1
G	Head Asm	1

2. Remove the protective oil that is applied to the table and column. Use any ordinary household type grease and spot remover

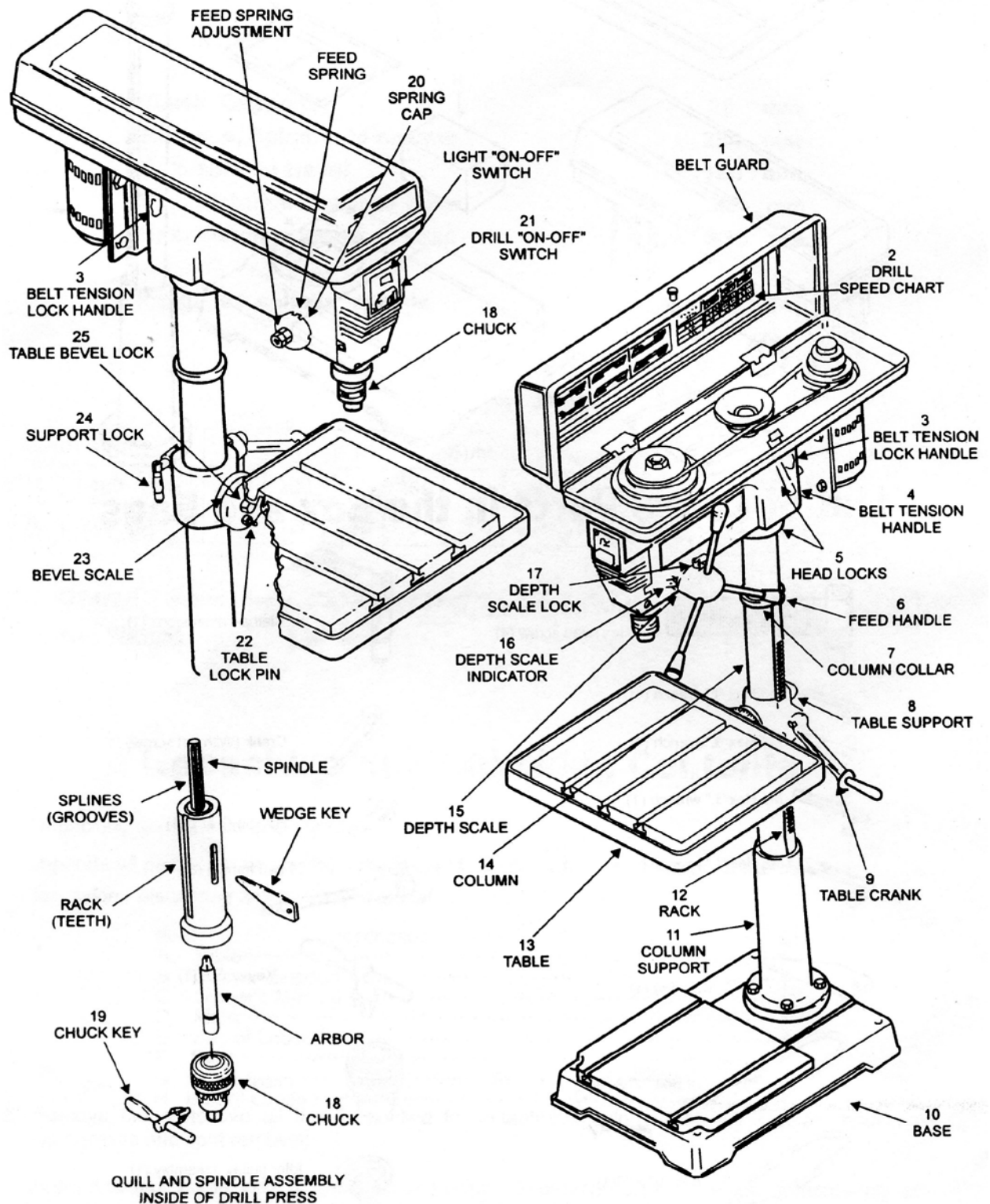
3. Apply a coat of paste wax to the table and column to prevent rust. Wipe all parts thoroughly with clean dry cloth.



4. List of Loose Parts in the box and bags



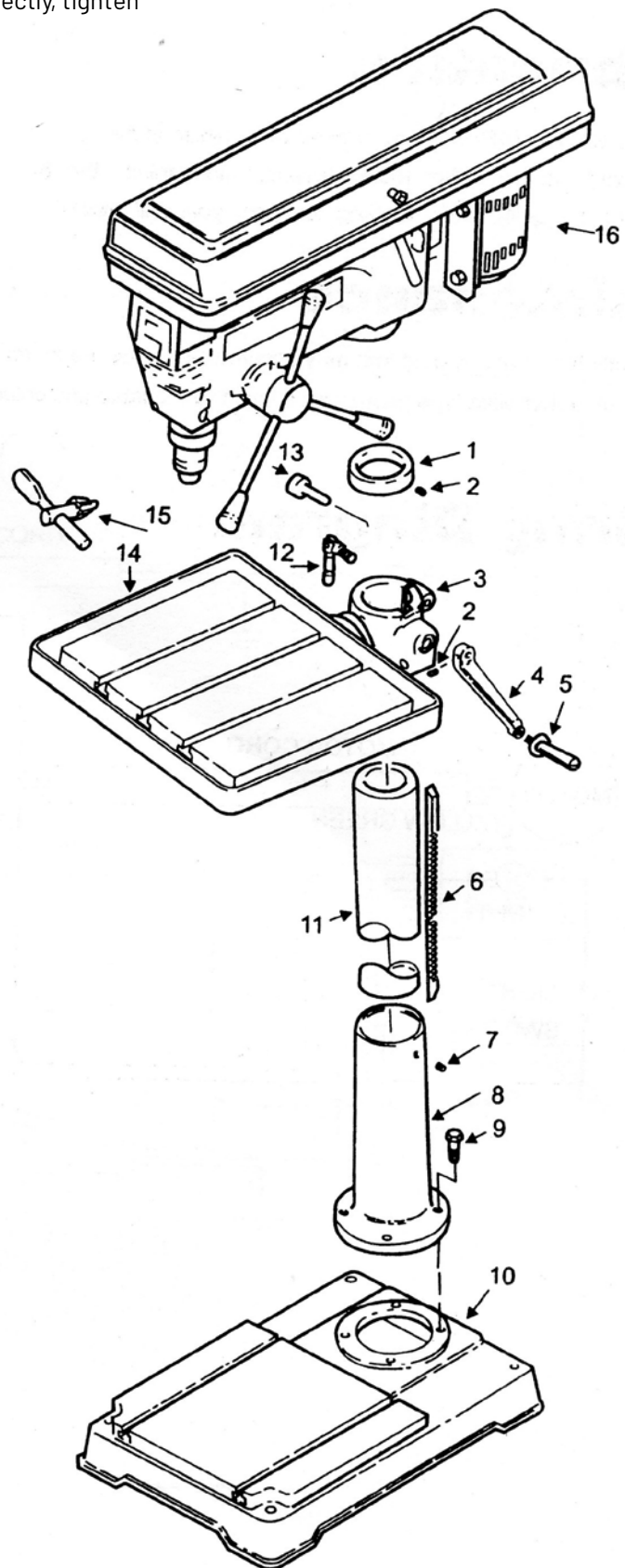
Getting to Know Your Drill Press



5. Assembly

Refer to the figure install all parts correctly, tighten the screw and bolts securely.

- 1 Collar-Rack
- 2. Screw-Hex Soc Set M6*1.0-10
- 3 Support Table w/Indicator
- 4 Crank
- 5 Handle-Crank
- 6 Rack
- 7 Screw-Hex Soc Set M10*1.5-12
- 8 support Column
- 9 Screw-Hex Hd M12*1.75-40
- 10 Base
- 11 Tube-Column
- 12 Table Lock
- 13 Worm-Elevation
- 14 Table w/Scale
- 15 Key Chuck
- 16 Head Asm



6. Lubrication

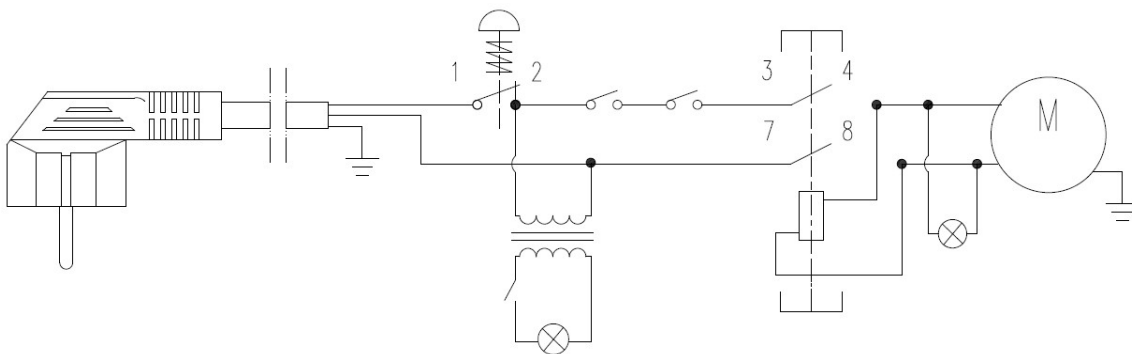
All the BALL BEARINGS are packed with grease at the factory. They require no further lubrication. Periodically lubricate the table elevation mechanism, the SPLINES (grooves) in the spindle and the RACK (teeth of the quill), see "Getting to know your drill press."

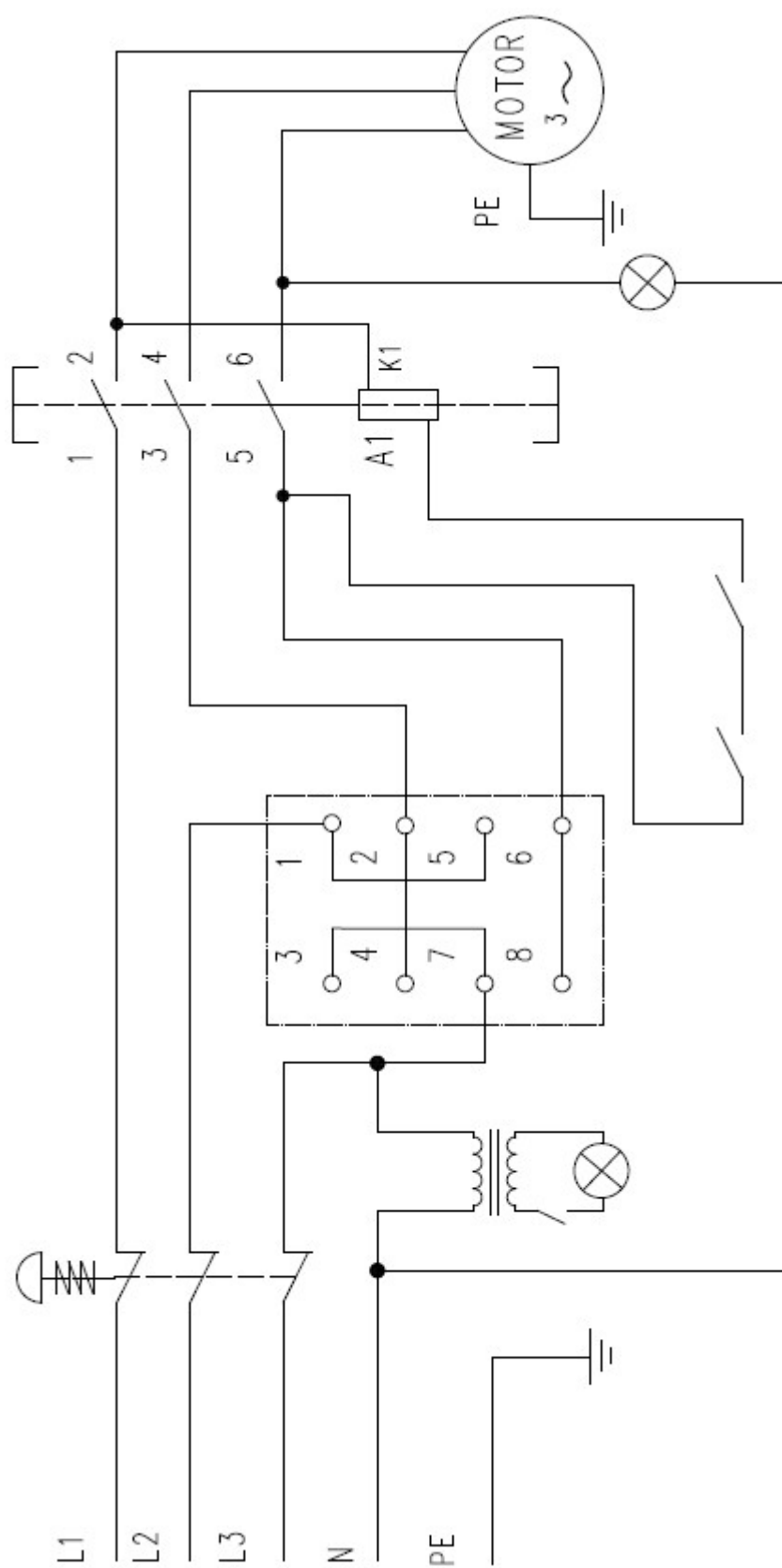
7. Maintenance

Frequently blow out any dust that may accumulate inside the motor.

A coat of automotive type paste was applied to the table and column will help to keep the surfaces clean.

8. Wire diagram





9. Trouble Shooting

TROUBLE	PROBABABLE CAUSE	REMEDY
Noisy Operation	1. Incorrect belt tension. 2. Dry Spindle. 3. Loose spindle pulley 4. Loose motor pulley	1. Adjust tension. 2. Lubricate spindle. 3. Checking tightness of retaining nut on pulley, and tighten if necessary. 4. Tighten setscrews in pulleys.
Drill bit burns	1. Incorrect speed. 2. Chips not coming out of hole. 3. Dull drill bit 4. Feeding too slow 5. Not lubricated	1. Change speed. 2. Retract drill bit frequently to clear chips. 3. Resharpen drill bit. 4. Faster the speed. 5. Lubricate drill bit.
Drill bit leads off... hole not round	1. Hard grain in wood or lengths of cutting lips and/or angles not equal	1. Resharpen drill bit correctly. 2. Replace drill bit.
Wood splinters on underside	1. No "back up material" under work piece.	1. Use "back-up material"
Work piece turn loose from hand	1. Not supported or clamped properly.	1. Support working or clamp it.
Drill bit binds in work piece	1. Workpiece pinching drill bit or excessive feed pressure. 2. Improper belt tension.	1. Support working or clamp it. 2. Adjust tension.
Excessive drill bit run out or wobble	1. Bent drill bit 2. Worn spindle bearings. 3. Drill bit not properly installed in chuck	1. Use a straight drill bit. 2. Replace bearings. 3. Install drill bit properly. 4. Install chuck properly.
Quill Returns too slow or too fast	1. Spring has improper tension.	1. Adjust spring tension.
Chuck will not stay attached to spindle if falls off when trying to install it.	1. Dirty, grease, or oil on the tapered inside surface of chuck or on the spindles tapered surface.	1. Using a household detergent clean the tapered surface of the chuck and spindle to remove all dirt, grease and oil.

Repair Parts

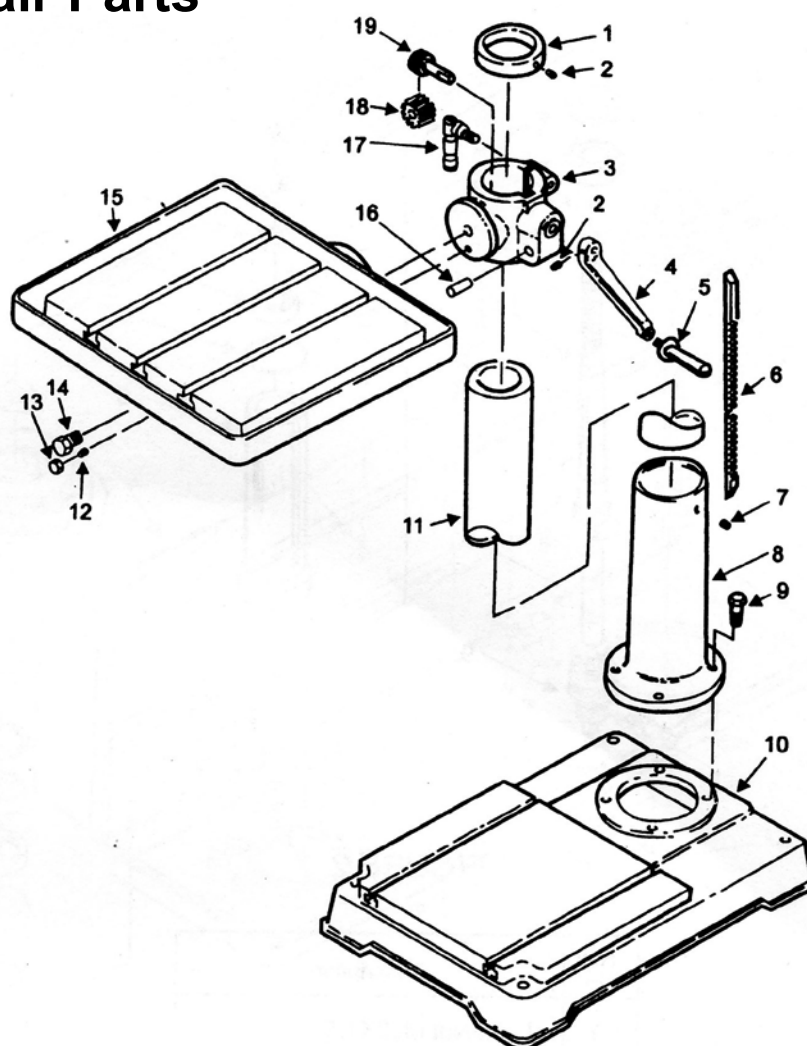


**FIG
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E1**

Key No.	Description
1	Collar-Rack
2	Screw-Hex Soc Set M6*1.0-10
3	Support-Table w/Indicator
4	Crank
5	Handle-Crank
6	Rack
7	Screw-Hex Soc Set M10*1.5-12
8	Support-Column
9	Screw-Hex HdM12*1.75-40

Key No.	Description
10	Base
11	Tube Column
12	Pin-Table Lock
13	Nut-Hex Hd M8*1.25
14	Screw-Hex Hd M20*2.5-50
15	Table w/Scale
16	Pin-Gear
17	Clamp-Column
18	Gear-Helical
19	Worm-Elevation

10. Repair Parts

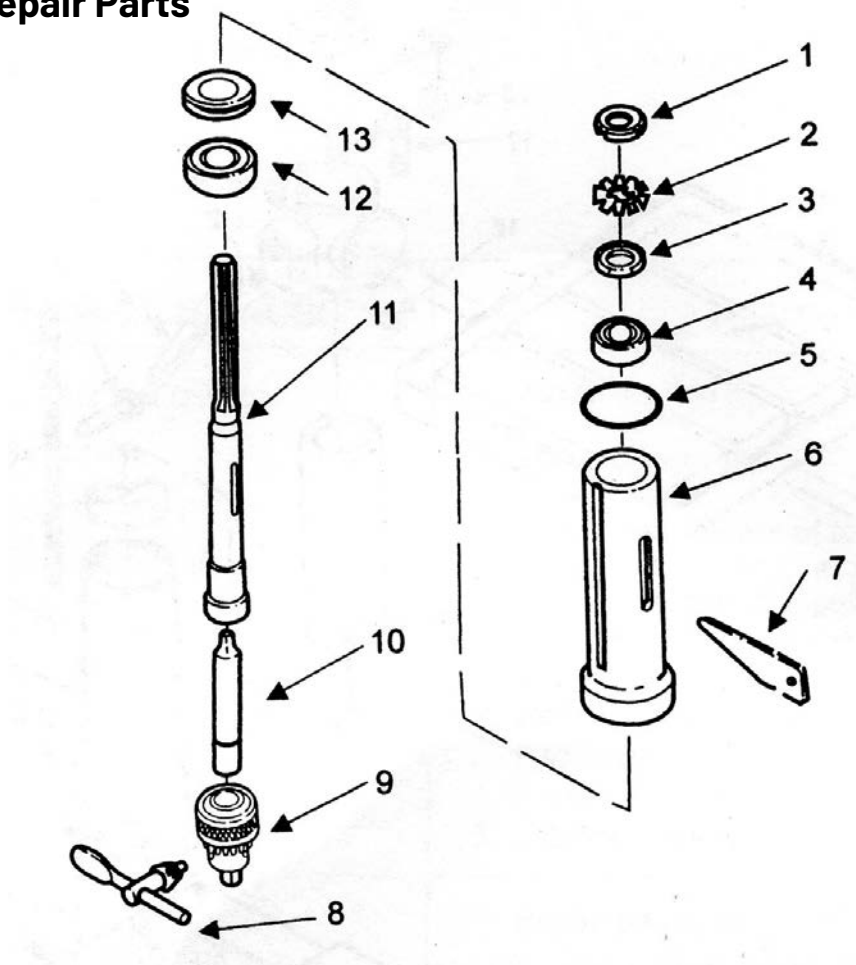


FIGURE2

Key No.	Description
1	Nut-Lock M20*1.5
2	Ring-Locking
3	Washer
4	Bearing-Ball 20mm
5	Washer-Rubber Tube-
6	Quill
7	Key-drill Key-
8	Chuck Chuck
9	Arbor Spindle
10	Bearing-Ball 30mm
11	Bearing-Thrust
12	
13	

11. Repair Parts

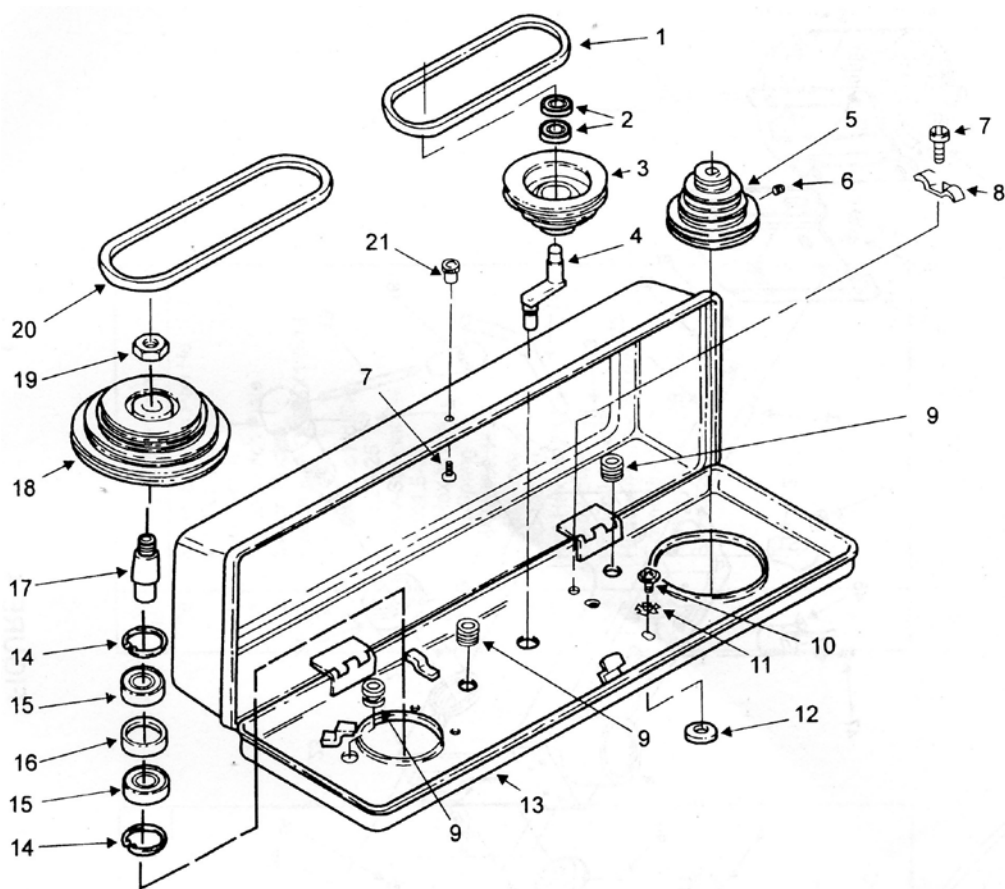


FIGURE3

Key No.	Description
1	Belt-"V"A29
2	Bearing-Ball 15mm
3	Pully-Center
4	Pivot-Ldler
5	Pulley-Motor
6	Screw-Soc Set M8*1.25-12
7	Screw-Pan HD M5*0.8-12
8	Clamp-Cord Bushing-
9	Rubber Screw-RD Washer
10	Hd M6*1.0-16

Key No.	Description
11	Lock Washer Ext M6
12	Washer Foam
13	Guard-Pulley w/Labels
14	Ring-Retaining
15	Bearing-Ball 30mm
16	Spacer-Bearing
17	Insert-Pulley
18	Pulley-Spindle
19	Nut-Pulley
20	Belt-"V"A33
21	Knob

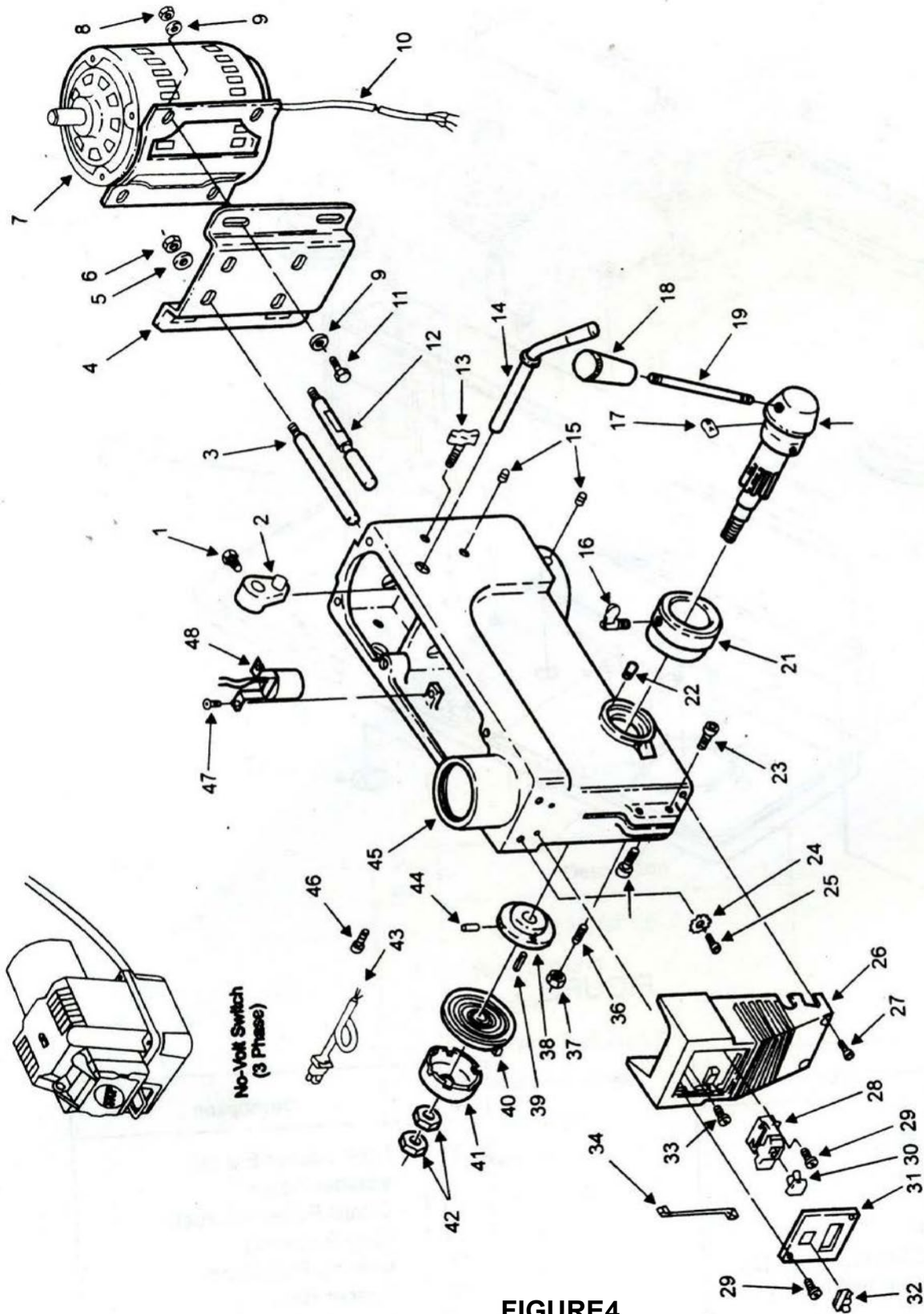
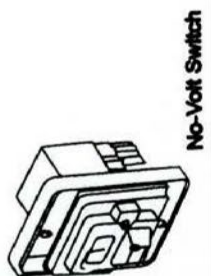


FIGURE4

FIGURE 4



Key No.	Description
1	Screw-Hex HD M8*1.25-16
2	Lever-Adjusting
3	Support-Motor Bracket
4	Mount-Motor
5	Lockwasher 12mm
6	Nut-Hex M8*1.25
7	Motor
8	Nut-Hex M8*1.25
9	Washer 8
10	Cord-Motor
11	Screw-Hex HD M8*1.25-20
12	Support-Motor Bracket
13	knob-Motor Adjusting
14	Handle-Belt Tension
15	Screw-Soc Set M10*1.5-12
16	Lock-Depth Screw
17	Guide Scale
18	Knob
19	Rod
20	Hub
21	Ring-Depth Stop W/Scale
22	Pin-Stop
23	Screw-Soc Hd Cap M8*1.25-30
24	Lock-Washer-Ext M5
25	Screw-Pan Cr M5*0.8-6

Key No.	Description
26	Box Switch
27	Screw-Pan Cr M6*1.0-35
28	Switch
29	Screw-Self Tap Pan Hd M4.2*1.4-8
30	Key-Switch
31	Cover-Switch Plate
32	Switch-Locker
33	Screw-Pan Cr M6*1.0-15
34	Lead-3"
35	Screw-Soc Hd Cap M8*1.25-25
36	Screw Special Set M10*1.5-27
37	Nut-Hex M10*1.5
38	Seat-Spring
39	Pin-Roll 6*16
40	Spring-Torsion
41	Cap-Spring
42	Nut-Hex M12*1.5-8
43	Cord-Power
44	Pin-Roll 2.5*10
45	Head w/Pointer and Trim
46	Connector-Wire
47	Screw-Pan Cr M6*1.0-12
48	Socket-Bulb

12. Warranty

If within 2 years of purchase this machine supplied by Scantool A/S becomes defective due to faulty materials or workmanship we guarantee or replace the machine or defective part or parts free of charge provided that:

1. The product is returned complete to one of our Service Branches or Official Service Agents.
2. The product has not been misused or carelessly handled and in particular has not been used in a manner contrary to the operating.
3. Repairs have not been made or attempted by other than our own Service Staff or the staff of our Official Service Agents.
4. Documentary proof of purchase date is produced when the goods are handed in or sent for repair.
5. Wear parts are not covered by the warranty.