



DURO® STRIPPER
Operating Manual

Read before use and keep safe

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1.0 Technical data/technical description

Power supply	120V AC
Power consumption	2000W, 18A with current limiter
Number of strokes	8500 strokes/min
Sound pressure level	88 dB(A)
Sound energy level	101 dB(A)
Hand/Arm-Vibration	16 m/s ²
Weight	35 lbs
Comes with	Duro® Stripper, 2 rigid blades, safety goggles and tool kit. Case is optional.

2.0 Safety

The Sinclair Duro® Stripper has Class 2 protective insulation. It meets the following safety specifications:

DIN VDE 0740 CENELEC HD 400,
IEC 745, VBG 7j (National spec)

The machine has radio interference suppression to the standards:

76/889/EWG, 87/308/EWG
EN 55014

3.0 Safety Instructions

Disconnect the power supply before any maintenance is carried out.

Use only recommended blades and make sure the blade is sharp before starting.

Maintenance should be undertaken only by qualified personnel. Use only genuine *Sinclair* parts.

Transport

Always remove the blade before transporting the machine.

CAUTION!!! Always wear ear and eye protectors! CAUTION!!!

Using this machine without ear and eye protectors may jeopardize or harm your health. It may harm especially your ears and increase the risk of an accident.

PLEASE READ DETAILED SAFETY INSTRUCTIONS ON COLORED SHEET BEFORE USING MACHINE!

3.1 Introduction

This operating manual should be used to receive the maximum benefit from your Duro® Stripper. Following these instructions will both extend the life of your machine and reduce repair costs.

Please make sure any user of the machine is familiar with these instructions before work begins.

3.2 Danger while working with the machine

The Duro® Stripper is designed to the highest technical standards. Incorrect use can be dangerous!
Use this machine only:

- **As instructed in this operating manual.**
- **With the machine in perfect working order.**

Disturbances that could impair safety have to be eliminated at once.

3.3 Restriction of use

The Duro® Stripper is exclusively for removing bonded floor covering in dry environments. It should not be used for any other purpose. *Sinclair Equipment Company* cannot be held responsible for any damage or loss caused by incorrect use.

Correct use also includes:

- To take care of all directions from the operating manual and
- The execution of maintenance and service.

4.0 Maintenance

The Duro® Stripper is virtually maintenance free.

*** Check brushes periodically to prevent damage to armature.**

*** Changing the blade**

Disconnect the power supply and put on the blade protection before changing the blade. Use work gloves for your own safety. Loosen the screws of the blade mounting, remove the blade and replace it.

Make sure that the sharp bevel of the blade always shows upwards and the blade is fitting in exactly the position of the old one.

4.1 Genuine Spare Parts

Spare parts and accessories are manufactured uniquely for the Duro® Stripper. It must be emphasized that parts obtained from unauthorized sources must not be used.

Sinclair Equipment Company cannot be held responsible for the performance of or any damage arising from the use of machines in which genuine spare parts have not been used.

This is particularly important with replacement blades.

5.0 Use

Starting

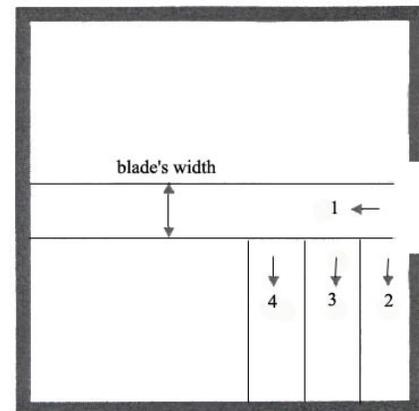
Mount the long internal tube with 2 screws to the handle support. Telescope the outer tube over it. The length of the handle may be adjusted by sliding the outer tube. Place the handle into the end of the tube and latch the locking.

For your safety the Duro® Stripper comes with the blade not mounted. Make sure that the power supply is disconnected before mounting the blade. Place the sharp bevel of the blade face up when removing from concrete surfaces and face down when removing from wood or particle board. The blade must sit close to its support, and is fixed with screws from the bottom side.

Use

The Duro® Stripper removes bonded, flexible floor covering in strips. It uses an oscillating system, i.e. the blade performs a circular movement. This movement results in a lateral cutting. This could make the stripper swing sideways if you want to remove stiff flooring or aggressive adhesive. In this case using the device may be limited due to its system.

Before starting work, the flooring needs to be cut into strips according to the blades width. To begin, cut one strip crosswise. Then lift the flooring slightly in order to get the blade underneath it. We recommend cutting the first strip at right angles to the main working direction. By so doing access to the adjacent strips is made easier.



Cut the strips smaller if the floor covering is bonded very securely, e.g. with an epoxy adhesive.

The blades are sharpened by the floor pavement. Therefore the blade has to be changed only if it is twisted or becomes worn.

6.0 Information about various floorings

Main applications of the Duro® Stripper are carpets with foam backing, CV-flooring, PVC-floorings and light carpets.

CV-floorings, PVC-floorings and carpets without foam backing

Cut strips according to the blade width. Check from time to time if the blade is straight.

Carpets with foam backing

Use sharp blades only! Remove upper layer with carpet clamp. Remove the foam backing with the stripper. Remove foam across the width if you have an uneven sub-floor.

Semi-flexible tiles

These tiles can be removed without pre-cutting, if they are not bonded extremely tight.

7.0 Trouble shooting

Trouble	Eventual Cause	Elimination
Machine does not start	-Power supply disconnected -Blown fuse -Defective cable -Defective plug	Have machine repaired by a qualified electrician, resp. change parts.
Undue force necessary to strip the flooring	Blade is blunt	Change blades
Excessive vibration	Expendable parts are worn out	Return machine for service and/or repair

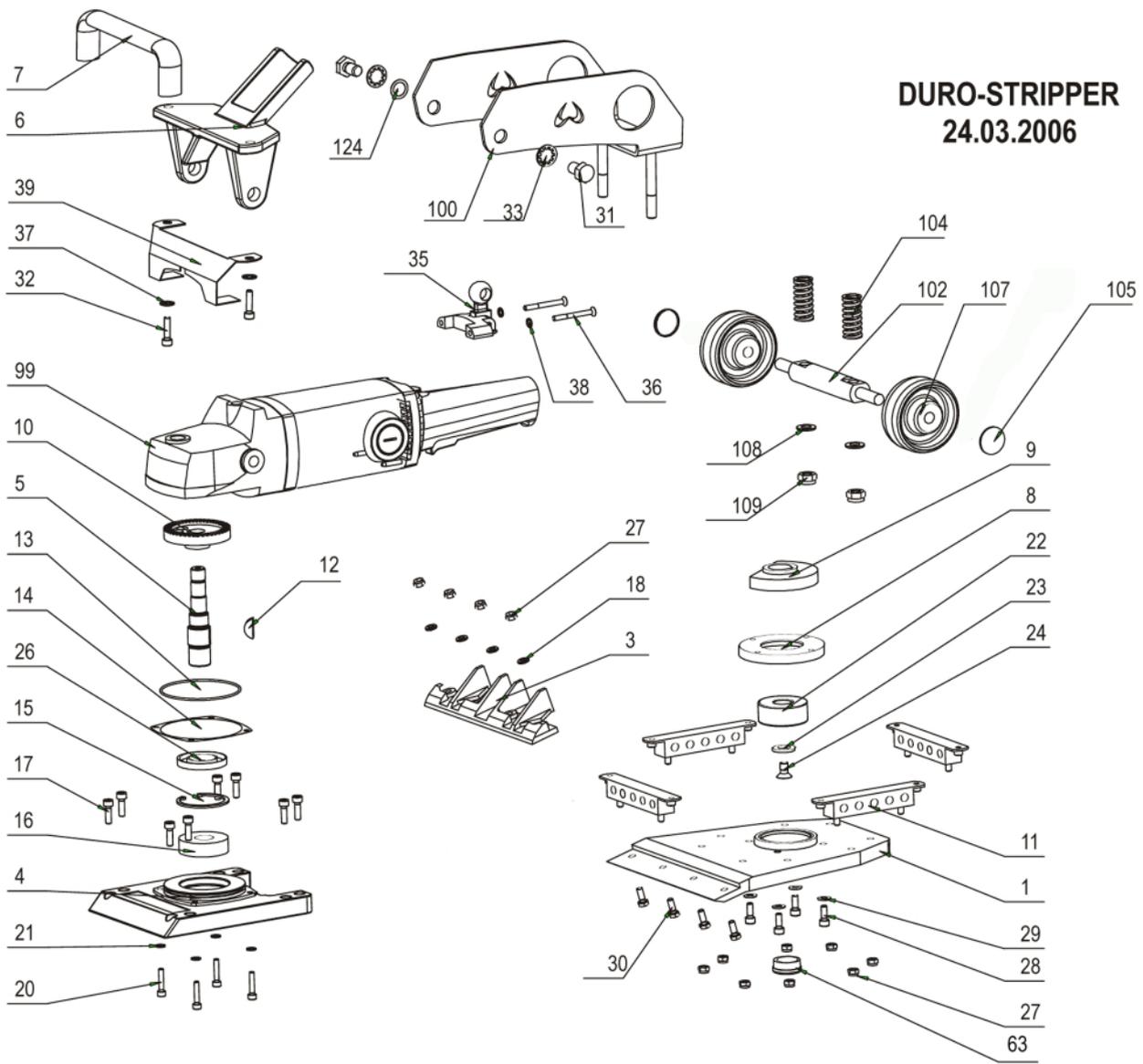
8.0 Spare Parts

Duro Stripper

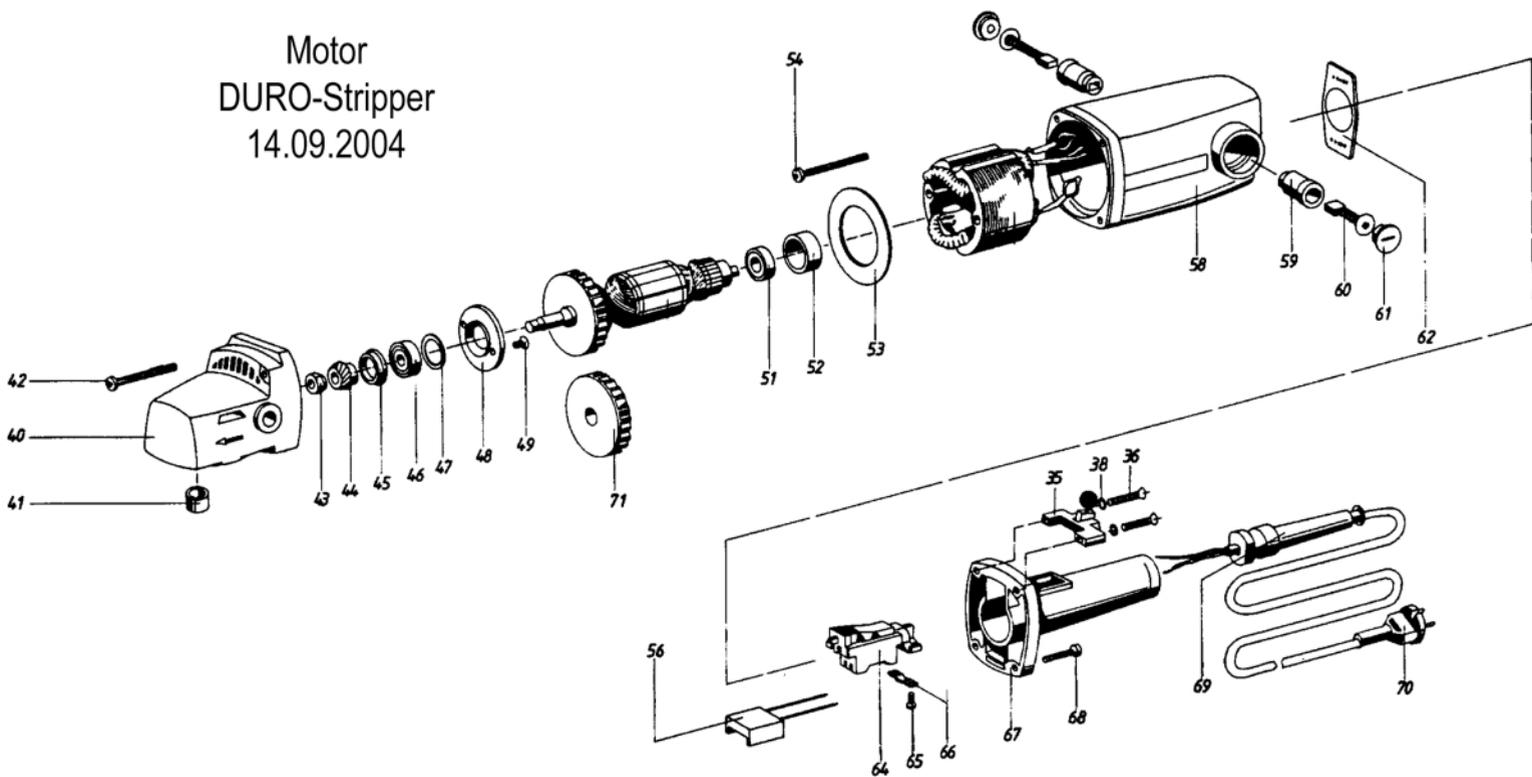
Schematic #	Pieces	Description	Part #
1	1	Striker Foot Casting	D015221
3	1	Blade holder	D015223
4	1	Bearing plate	D015224
5	1	Drive shaft	D015228
6	1	Grip frame	D015227
7	1	Hand grip	D014916
8	1	Locking flange / Bearing Plate	D015233
9	1	Counter Balance Weight	D015225
10	1	Crown wheel / Ring Gear	D015234
11	4	Rubber bearings	D014931
12	1	Fitting spring, 5x 6,5 / Woodruff Key	D014905
13	1	Sealing ring / O-Ring	D015218
14	1	Distance ring	D015217
15	1	Locking clip I 52 / Snap Ring	D014857
16	1	Ball bearings 6304 2RS C3	D014711
17	8	Cyl. screw, M6x20	D014752
18	4	Washer, M6	D014859
19	4	Nylock Nut, M6	D014815
20	4	Cyl screw, M5x25 micro	T014721
21	4	Safety washer, M5	T014858
22	1	Ball bearing 3304 2RS C3	D014674
23	1	Washer, M12	D014830
24	1	Countersink Screw M8x20	T014760
26	1	Shaft Seal for Gear Head	D014847
27	8	Nylock Nut M6x1.0	D014815
28	4	Cyl. screw, M6x14	D014751
29	4	Safety washer, M6	D014858
30	4	Cap Screw, M6x22	D00912415B
31	2	Hexagon screw, M14x35	D009167000N
32	2	Hexagon screw, M8x20	D014775
33	2	Safety washer, M14	D014863
34	1	Rubber sleeves	D014932
35	1	Foot switch	D015023
36	2	Counter sunk screw M5x70 (Spax)	D014797
37	2	Safety washer, M8	D014860
39	1	Baffle	D015433
40	1	Gear block housing	D015189
41	1	Needle bearing HK 1512	D015190
42	4	Cyl. screw, M5x45	D015191
43	1	Hexagon nut, M10	D015192
44	1	Pinion	D015193
45	1	Sealing bushing	D015194
46	1	Ball bearing	D014709
47	1	Sealing ring	D015195
48	1	Cover	D015196
49	1	Counter sink screw, M5x16	D015197
51	1	Ball bearing 6001/2RS	D014701
52	1	Bearing ring	D015199

53	1	Air guide	D015200
54	2	Cyl. screw	D019523
56	1	Current Limitor	T015236
58	1	Motorcase with carbon	D015203
59	2	Carbon brush holder	D015206
60	2	Carbon brush	D014997
61	2	Carbon brush holder cap	D015207
62	1	Sealing plate / Handle-Motor Gasket	D015208
63	1	PVC Stopper	D016086
64	1	On/Off switch	D015209
65	2	Lens head screw M4x12	D015210
66	1	Cable clamp	D015211
67	1	Handle	D015212
68	2	Counter sunk screw M5x50 (Spax)	D014796
69	1	Rubber sleeve / Cable Sleeve	D015214
70	1	Power Cord w/Plug	D5965VYC
71	1	Fan	D015216
99	1	Duro/Bravo Motor Complete	D015022
100	1	Chasis Complete	D034245
102	1	Axle	D017024
104	2	Pressure Springs	D014896
105	2	Starlock Cap	D014881
107	2	Transport Wheels	T014954
108	2	Flat Washer M10	T014829
109	2	Locknut M10	BR014817
		Duro Wheel Assy Complete	D016151
		Note: When ordering the wheel assy you get items 100-107	
		Handle Assembly	
110	1	Round Grip	D015052
		NOTE:when ordering D#110 you get items #111-116	
111	1	T-Piece	D015434
112	2	Star Grip Screw	D014919
113	2	Nut	D014825
114	2	Grip Covering	D014923
115	2	Hexagon Screw 8x40	D014776
116	2	Clamping Lever	D014877
117	1	Outer Tube	D015232
118	1	Inner Tube	D015226
120	2	T-head bolt M 8x70	D014768
121	2	Wing Nut	D014824
124	2	M14 Flat Washer	D017741
		Not Pictured	
		Handle Assembly Hardware	D011046400
		Handle T-Bar for Long Handle	D015026
		Handles For T-Bar	D009803000
		Tool Kit	D015025
		Wrench 10mm/13mm	T 7286A13
		Hexagon screw M8x60	D009164900

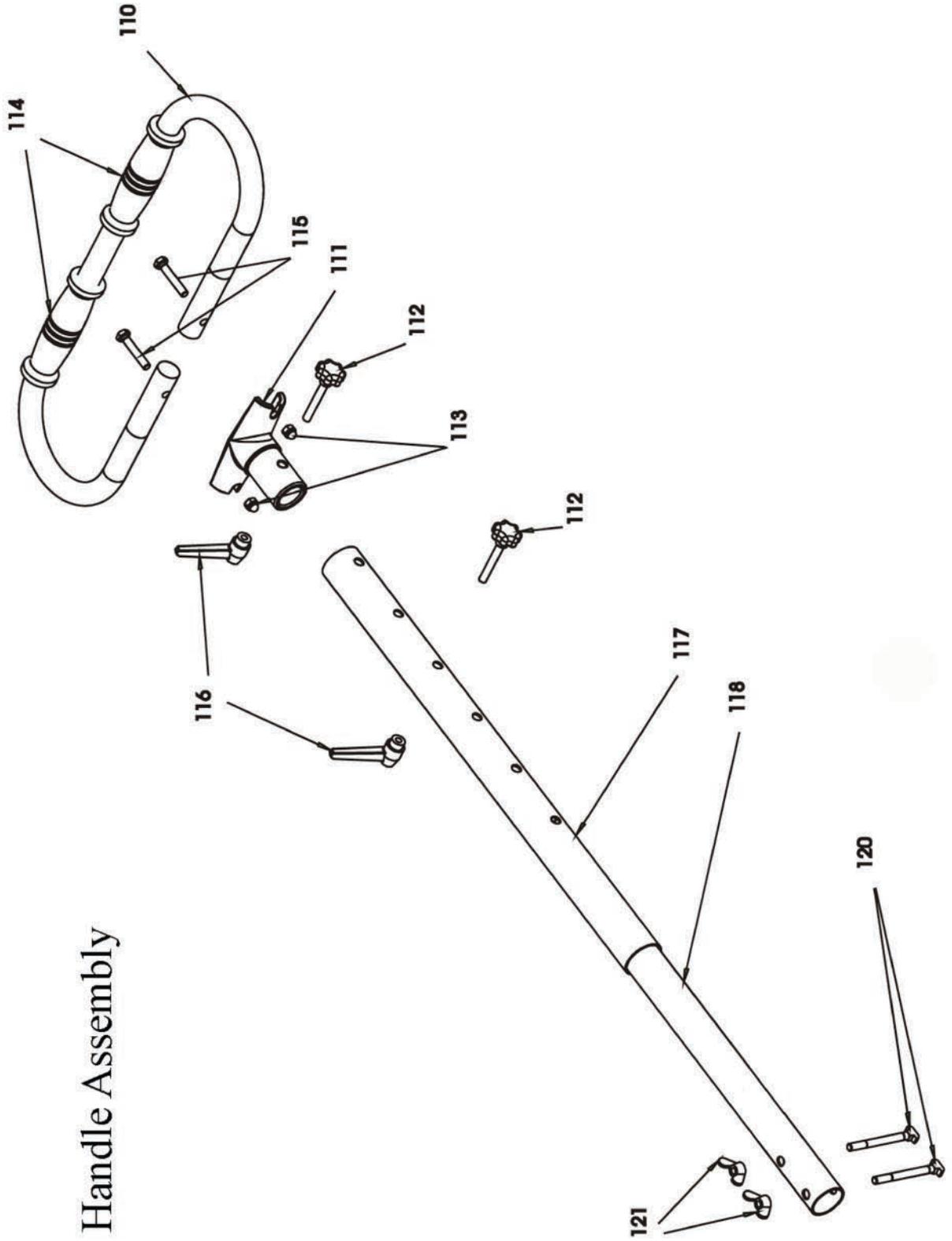
DURO-STRIPPER
24.03.2006



Motor
DURO-Stripper
14.09.2004



Handle Assembly



TURBO, EXTRO, SUPER, BRAVO, DURO & ECO STRIPPER SUGGESTED BLADE SELECTION

BRAVO/DURO/ECO STRIPPER

#10-4906 8"Rigid. Our standard blade for removal of vinyl, carpet, adhesive, etc. Bevel edge of blade should be up for concrete and down for wood sub-surfaces. Precutting of carpet and vinyl needed.

#10-4904 8"Flexible. Same as above, yet for uneven concrete surfaces and some soft foam back carpet.

#10-4907T 8"Tile Blade. For use on VAT and VCT tile. Prevents tile from jamming in between blade and blade holder. A must for tile removal to protect blade holder.

#10-4909 8"Razor Blade Attachment. An adapter to secure razor blades for removal of adhesives, paints and thin films. Inexpensive and an excellent choice for complete clean up after floor covering removal.

#10-4903 8"X 5"Rigid. Ideal for hard to reach areas such as toe kicks, under radiators, etc. Also used for clean up of small areas of parquet, ceramic, etc.

#10-4906D 8"X 2.5"Rigid Self Dicing. For use on carpet, rubber or vinyl. A real time saver, on pre-cutting necessary since blade will cut strips with knife edged sides.

TURBO/EXTRO/SUPER STRIPPER

**Super Stripper uses 12" Blades Only*

#10-4801D 14"Self-Dicing Blade. For use on carpet, rubber or vinyl. A real time saver, on pre-cutting necessary since blade will cut strips with knife edged sides.

#10-4651T 12"Tile Blade. For use on VAT and VCT tile. Prevents tile from jamming in between blade and blade holder. A must for tile removal to protect blade holder.

#10-4807 14"X 5"Ceramic/Parquet Blade. Ideal for removal for ceramic tile, marble, parquet, and other wood floors. Precutting needed for plank floors.

#10-4809 Special Ceramic/Parquet Blade. This ¼" thick heavy duty blade is designed especially for the ceramic tile and hardwood/parquet removal applications. The 14" wide blade extends out nearly 4" and is designed at a specific angle to work more efficiently in cutting and lifting of thick materials. Best suited for the long run, constant use in tile/wood applications for extended life and performance.

#10-4802 14"Rigid, #10-4652 12"Rigid. The standard blade for carpet, vinyl or adhesive removal, pre-cutting of the floor is needed.

#10-4804 6"Rigid, #10-4803 8"Rigid. Use these blades for difficult removal like, epoxy, rubber floors, sport surfaces, etc. Always position these blades to far left hand side of machine.

NOTE: All jobs can vary in difficulty of removal. Whatever blade you are using it may be necessary to take a smaller bite in removal so it is less stressful on the operator as well as the machine. If you have any questions on blade selection or choice of machine, please do not hesitate to call Sinclair Equipment Company or your nearest distributor.

STANDARD WARRANTY

SINCLAIR EQUIPMENT COMPANY'S tools are warranted to be free of defects in workmanship and materials for a period of one year from the date of original purchase. Should any trouble develop during this one year period, return the complete tool, freight prepaid, to SINCLAIR'S authorized Service Center. If inspection shows the trouble is caused by defective workmanship or materials, SINCLAIR EQUIPMENT COMPANY will repair, or, at its option, replace without charge.

- This warranty does not apply to malfunctions caused by damage, unreasonable use, faulty repairs made by others, or failure to provide recommended maintenance.
- The warranty is void if the product is altered by the original consumer purchaser, or if it is used in a manner not recommended by the manufacturer.
- The warranties do not cover consequential damages or transportation charges incurred with the replacement or repair of SINCLAIR EQUIPMENT COMPANY products.
- Not responsible for lost job or down time.

In no event shall SINCLAIR be liable for any indirect, incidental, or consequential damages from the sale or use of the product. This disclaimer applies both during and after the term of this warranty.

SINCLAIR EQUIPMENT COMPANY disclaims liability for any implied warranties, including implied warranties of "merchantability" and "fitness for a specific purpose", after the one year term of this warranty.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Should you have any questions, contact SINCLAIR EQUIPMENT COMPANY at (530) 626-9386.

To obtain warranty service, deliver or send the complete tool, prepaid, to SINCLAIR EQUIPMENT COMPANY. Be sure to include the following information:

- Nature of failure;
- Name and address of distributor where tool was purchased;
- Application of tool when rendered defective; and
- Proof of purchase.

To obtain individual repair parts, contact SINCLAIR EQUIPMENT COMPANY with the following information:

- Tool model number;
- Item part number; and
- Description of part.

NOTES