





Red Band FS200 Floor Planer / Scabbler



RED BAND UK LTD

Units 41 - 45 • The Warren Fax: 0116 260 2603 East Goscote Ind. Est. East Goscote • Leicester LE7 3XA

Tel: 0116 260 2601 sales@redbanduk.co.uk www.redbanduk.co.uk





Red Band FS200 Floor Planer / Scarifier FS200 FLOOR PLANER / SCARIFIER EC Declaration of Conformity (Static Machines) We declare under our sole responsibility that the product(s) FLOOR SCARIFER To which this relates is in conformity with the following directives; Supply of Machinery (Safety Regulations) 1992 (SI 1992/3073) Supply of Machinery (Safety) (Amendment) 1994 (SI 1994/2063) Safety of Machinery BS EN292-1&2 1991, BS EN 294 1991, BS EN 294 1993, BS EN 418 1992, BS EN 457 1992, BS EN 563 1993, BS 614 1965 BS EN 1033 1996, BS 5378 1980 89/392/EEC Machines Directive 93/44/EEC & 93/68/EEC Amendment to Machines Directive This equipment must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the above mentioned directive. Alan Newton Certified by : Red Band UK Ltd



	Red Band FS200 Floor Planer / Scarifier
	FS200 FLOOR PLANER / SCARIFIER
	SAFETY INSTRUCTIONS
1)	Construction equipment may only be operated by persons :-
	 a – are at least 18 years old. b – are physically and mentally fit for the job. c – have been instructed in the use of this equipment and proved their ability for the job to their employer. d – may be expected to carry out the job they are charged with carefully
2)	Floor scarifiers may only be used for scarifying work in the construction industry. Both the manufacturers and the engine / motor manufacturer's operating instructions and these safety instructions have to be observed.
3)	The persons charged with the operation of floor scarifiers have to be made familiar with the necessary safety measures relating to the machine. In case of extraordinary uses the employer shall give necessary additional instructions.
4)	It is possible that this floor scarifier exceeds the admissible sound level of 89dB(A). According to the rules for the prevention of accidents regarding of noise, the employees have to wear ear protection if the sound level reaches 89dB(A) or more.
	OPERATION
1)	When operating an electric scarifier particular care must be taken to ensure all cables and plugs are in good order. No unqualified personnel must remove control panels. Only qualified electricians should wire the machine or any accessories.
2)	The functioning of operating levers or elements is not to be influenced or rendered ineffective.
3)	During operation the operator may not leave the control elements.
4)	The operator has to stop the engine of the floor scarifier before going on breaks. The machine has to be placed such that it cannot turn over.
5)	Stop engine before filling fuel tank, do not allow fuel to come in contact with the hot parts of the machine or spill on to the ground.
6)	Do not smoke or handle open fire near this machine.
	Red Band UK Ltd



Red Band FS200 Floor Planer / Scarifier 7) The tank lid must fit tightly. Shut off fuel cock, if available when stopping the engine. For long distance transports of the machine operated by fuel or fuel-mixtures, the fuel tank has to be drained completely. ATTENTION !! Leaky fuel tanks may cause explosions and must therefore be replaced immediately. ATTENTION!! Exhausts are hot, do not touch them. Do not operate machinery in areas where explosions may occur. Make sure that sufficient fresh air is available when operating scarifiers with combustion engines in enclosed areas, tunnels and deep trenches. During operation keep your hands, feet and clothes away from moving parts of the floor scarifier. Wear safety shoes, and eye protection glasses in case of trench operation where falling sand stones may be ejected. 11)When working near the edges of breaks, pits, slopes, trenches and platforms, floor scarifiers are to be operated such that there is no danger of their turning over or dropping in. When travelling backwards the operator has to guide the floor scarifier laterally by its guide handle so that he will not be squeezed between the handle and a possible obstacle. Special care is required when working on uneven ground or when compacting coarse material. Make sure of a firm stand when operating the machine under such conditions. 13)Floor scarifiers are to be guided such that hand injuries caused by solid objects are avoided. 14) Floor scarifiers have to be guided such that their stability is guaranteed. SAFETY CHECKS Floors scarifiers may only be operated with all safety devices installed. 2) Before starting operation, the operator has to check all control and safety devices function properly. In case of defects of the safety devices or other defects reducing the operational safety of the floor scarifier, the supervisor has to be informed immediately. In case of defects jeopardizing the operational safety of the floor scarifier, the machine has to be stopped immediately. Red Band UK Ltd



	Red Band FS200 Floor Planer / Scarifier
	As soon as maintenance and repair jobs have been completed all safety devices have to be reinstalled properly.
	TRANSPORT
	During transport, loading and unloading of floor scarifier by means of lifting devices, appropriate slinging means or hooks have to be used on the lifting points provided for this purpose on the vibrating plate.
-	The load-carrying capacity of the loading ramps has to be sufficient and the ramps have to be secure such that they cannot turn over. Make sure that no one can be endangered by machines turning over by slipping or by moving machine parts.
	When being transported on vehicles, precautions have to be taken that floor scarifiers do not slip or turn over.
	LIFTING
	ne weight can be found on the Serial No. plate, <i>it is too heavy for one</i> to <i>lift</i> ! The lifting hook positions are clearly marked – USE THEM!
	MAINTENANCE CHECKS
checke	ling to the conditions and frequency of use, floor scarifiers have to be ad for safe operation at least once a year by skilled technicians, such as found at the manufacturer's service depots and have be repaired if sary.



	Red Band FS200 Floor Planer / Scarifier
	FS200 FLOOR PLANER / SCARIFIER
_	Routine Maintenance Safety Warning
	Changing Cutter Drums
A	Iways ensure machine is turned off
A	Iways ensure:-
	Electric - plug is removed from power source
	Petrol - spark plug cap is removed from spark plug
F	Remove sideplate screws – check for wear
P	Pull off sideplate
R	Remove brush or drum
c	Changing Cutters
s	Stand drum vertically, remove screws and nuts and then sideplate
	Remove flail shafts, as always check for wear. (We recommend that you eplace flail shafts every cutter change)
F	it new cutters, spacers and flail shafts
A	lways offset cutters on each shaft to ensure even cutting face
F	Replace cover plate and screw and ensure nuts are tight
	General Maintenance (8 operating hours / daily)
v	/ belt – check tension of v-belts and adjust as necessary
E	ngine – check oil level
	Machine – clean the machine, this may be necessary more often if using the nachine to remove tar based material
F	asteners – check all fasteners are secure
F	lail shafts – check condition and replace if necessary
D	Oust flap – check condition of dust flaps and replace if necessary
B	Belt guard – check belts and guard condition
	Red Band UK Ltd



	Re	d Band FS200 Floor Planer / Scarifier		
		LOOR PLANER / SC	ARIFIER	
	FS200-P Petrol		FS200 - E 110V	FS200 - E 220V
Manufacture	Honda	Manufacture	AEG	AEG
Model	GX160	Frame size	90	90
Air filter	Cyclonic	Voltage	110 / 1 / 50	220/240/3/50
Engine speed	3600 rpm	Full load current	28 amps	13.1 amps
Cutter speed	1800 rpm	HP	3 hp	3 hp
Weight	49 kg	KW	2.2 kw	2.2hp
Height	98 cm	Cable	4.0 mm ²	1.5 mm ²
Width	36 cm	Max cable length	10 m	30 m
Length	120 cm	Control gear	Moeller	Moeller
Acoustic	104 dB	Engine speed	2800 rpm	2800 rpm
emissions idle	(A)	Cutter speed	1800 rpm	1800 rpm
Acoustic	94 dB (A)	Weight	49 kg	49 kg
emissions under		Height	98 cm	98 cm
load		Width	36 cm	36 cm
Vibration idle	8.9 m/s ²	Length	120 cm	120 cm
Vibration under	9.8 m/s ²	dB (A)	91	91
load		Vibration idle	8.9 m/s ²	8.9 m/s ²
		Vibration under load	9.8 m/s ²	9.8 m/s ²
r		Product Specification		

Product S	pecification
Working width	8" / 200mm
Distance between wall – right	105mm
Distance between wall – left	40mm
Diameter of dust extraction tube	2" / 50mm

Warranty

- · We warrant that the product is free from defects in materials and workmanship.
- If such a fault is found within six months from date of purchase from an approved dealer, the company will replace free of charge all failed components.
- Any failed unit must be returned carriage paid to the factory for inspection.
- The warranty does not cover failure attributable to wear and tear, accidental damage, site
 or operator misuse or lack of maintenance.
- We will not accept units under warranty that third parties have attempted to repair or disassembled.



	Red Band FS200 Floor Planer / Scarifier
	FS200 FLOOR PLANER / SCARIFIER
	Drum Setup and Usage
Alwa comf	ys ensure the drum is correctly balanced, this will increase operator ort and improve life and performance of the cutters.
	king a shallow depth of cut and taking two quick passes, rather than one pass, cutter life is increased dramatically.
	equently replacing low cost items, i.e. shafts and washers, drum life can ttended.
Alwa wash	ys stagger TCT cutters as shown below when using TCT cutters and ers.
	void imbalance the shafts must always have the same number of cutters spacers. Axial play must be at least 2.5mm to 5mm.
	n fitting milling cutters on the flail shafts, all blades must face in the ng direction.
	ance of the TCT cutters, drum and spacers may cause the nmended number of spacers to vary slightly.
	Red Band UK Ltd



	Red Band FS200 Floor Planer / Scarifi	er
FS20	0 FLOOR PLANER / SC	ARIFIER
Problem	Cause	Solution
	Electric Unit	
Unit running slow	Voltage drop	Check power supply Check generator specification Check cable length & spec.
Unit won't run	Fuse blown Power disconnected Cable damaged Other	Check fuses Check plug Check cable Refer to motor manual
	Petrol Unit	
Engine won't start	No fuel Engine switched off Gas in air filter	Refuel Switch on Remove air filter cover, crank engine
	Common Problems	
Cutter wearing unevenly	Cage set too low Material build up Cutters too tight	Raise cage Clean cutters & cage Remove one or more cutters/spacers
Machine jumps on floor	Cage lowered too far RPM too low	Adjust height level Reset throttle
V belt wearing rapidly	Pulley misaligned Wrong belt Belt rubbing on surface	Adjust pulley Replace Adjust height on machine
Uneven cut	Wear on rear or front wheels Wear on front axle Handle assembly out of line	Replace wheels Replace axle/bushes Line up
	Red Band UK Ltd	



Please order b	escription	200-ED Spare Parts List Part ref
Bin D	escription	Part rof
		Dort rof
VB30 D		Part rei
VD30 D	rum c/w flail shafts	
FS03 E	nd plate c/w bolts	504-2035-1
	Omm flail shaft	507-1001-1
	2mm flail shaft	507-1001-6
FS06 D	rive shaft	513-1000-1
FS07 D	rive bush	514-1000
FS08 B	earing 6006	979-1000-18
	irclip 30	977-1010-30
	irclip 55	977-1010-55
	earing housing	512-1000
FS12 E	nd plate	511-1055-2
	over	511-1030-2
	earing housing	512-1002
	haft spacer 8mm	109-1033-7
	haft spacer 6mm	109-1033-11
	ulley spacer 5/6mm	506-1007
	earing 6303	979-1000-12
	irclip 47	977-1000-47
FS21 W	/oodruff key	979-9021
	astle nut	979-1020-1
	astle washer	979-1022-17
	rive pulley	518-1006
FS25 D	rive belt SPZ722	967-1010-722
FS26 E	ngine pulley	518-1002-1
FS27 B	elt guard	518-1001-1
	uard bracket	
	ront wheel assy	530-1004
	ear wheel	905-1000
	ivot axle	515-1007-12
	ork joint	516-1006
	od 10 x 10	516-1000-2
	pring lever	516-1002-2
	andgrip	510-1016-1
	andle stop	516-1001-2
	nob assy	907-1001-1
	andle	510-1020-1
	ngine clamp plates 'p'	510-1011-4
	tarter assy 110V (FS200E)	501-2003-110
	apacitor (FS200E)	970-1083-1
	otary switch (FS200E)	501-2003-3
	otary switch knob (FS200E)	
	ontactor (FS200E)	501-2003-1
	ircuit breaker (FS200E)	501-2003-6
	top button (FS200E)	501-2003-4
	racket adaptor (FS200E)	501-2003-12
	ontact (FS200E)	501-2003-14
	lotor pulley 'e' 24mm	518-100501
	rive belt 'e' SPZ687	967-1010-687
	ust flap	511-1022-240
	ap bar	511-1021-240
	otor Plate (FS200ED)	
	lotor Plate (FS200E)	
	rum c/w TCT flails & spacers	
VB05 T	CT flail set (76)	
	Red Band U	JK Ltd



Red Band FS200 Floor Planer / Scarifier
Spacer set (100)
Starter Parts
110V Starter Assy
110V Contactor 110V Overload (19 – 25a)
Starter Enclosure
Motor Parts
Run Capacitor 50uf
Run Capacitor 40uf
Start Capacitor 180uf
Relay SÉ1 Fan
Fan Fan Cover
Motor Feet Set
Terminal Box Base
Terminal Box Lid



































