Effective Date 27-10-2026

Beaver 240

Safety and Operators Manual

&

Parts Listing

CAUTION: Read the instruction manual before using the appliance.



DESIGNED & BUILT IN AUSTRALIA

Beaver 240

Notes

Machine Purchased:

Owner:

Beaver 240

Table of Contents

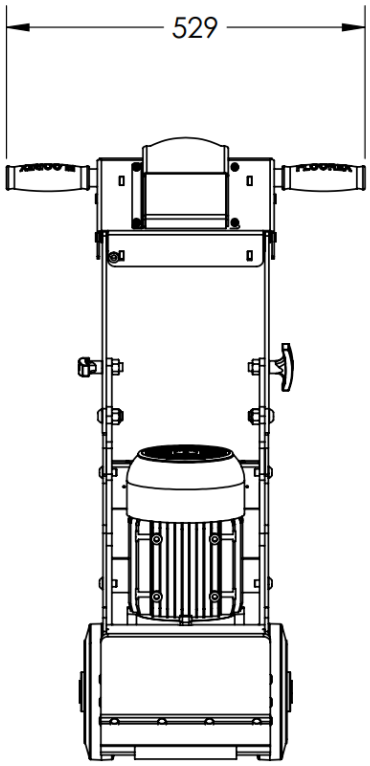
Notes	1
Specifications	3
Safety instructions	4
Safety instructions	5
Electrical safety	6
Operating instructions	7
Operating instructions	8
Operating instructions	9
Floor Take-up Procedure.	10
Floor Take-up Procedure.	11
Problem solving	12
Parts Diagram Main	13
Parts Diagram Handle	15
Wiring Diagram	16
	17

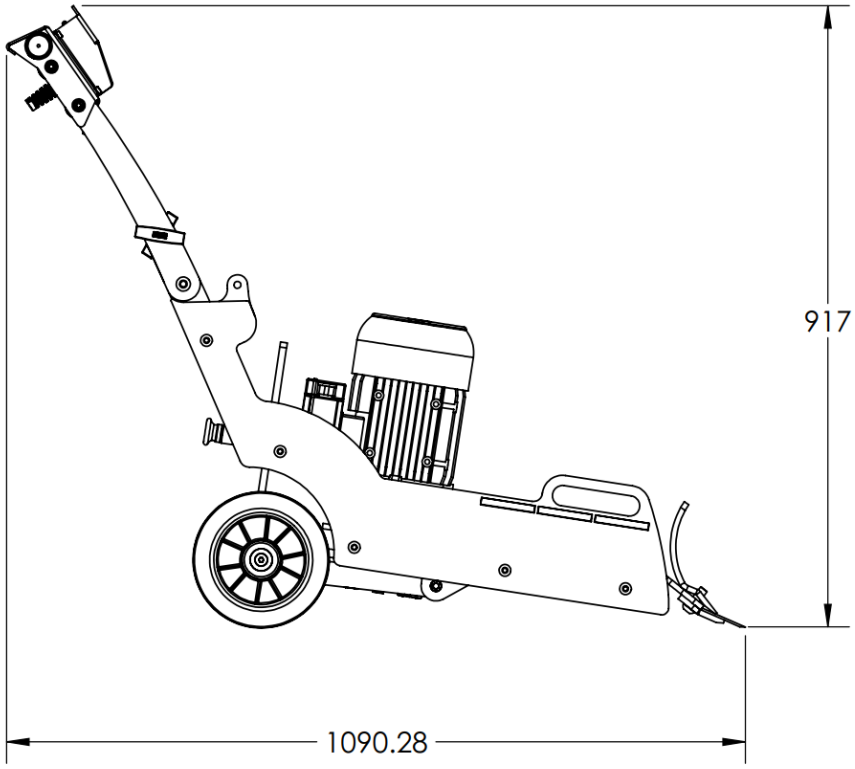
This machine is designed to operate with the wheels in contact with the floor at all times.
Do not operate with the wheels off the floor.

Beaver 240

Specifications

Beaver 240	
Weight	78kg
Dimensions	524 x 858 x 1114 (width x Height x Length)
Rated Voltage	240 Volt 50 Hz
Rated Watts	1500W
Max Blade Width	250mm





Beaver 240
Safety instructions

1. Read and understand the instructions on the machine and in this manual and engine manual (if applicable). Different models may have different parts and controls.

2. Equipment should only be operated by trained personnel, in good physical condition and mental health (not fatigued). The operator and maintenance personnel must physically be able to handle the bulk weight and power of this machine.

3. This is a one person machine. Maintain a safe operating distance to other personnel. Remember ‘one machine, one operator’.

4. This equipment is intended for commercial use.

5. For the operators’ safety and the safety of others, always keep all guards and shrouds in place.

6. Never start or run machine when unattended.

7. This machine is intended for use on horizontal floor surfaces only.

8. Never start or run machine with the handle folded.

9. Do not lend or rent machine without the operating instructions for the machine (and the engine, if applicable).

10. Wear clothing suitable for the job and for the work place including, safety shoes, hard hat, hearing protection, non-fogging vented safety goggles, and dust mask suitable for dust and Safety Gloves when changing Blades and accessories.

11. Keep body parts or any loose clothing away from moving parts. Failure to comply could result in bodily injury.

12. Do not modify machine in any way. Only use genuine BEAVER 240 parts and accessories.

13. Repairs should be performed by qualified persons only.

14. Ensure parts have stopped moving and disconnect power or spark plug when servicing or changing blades or accessories.

15. Never operate machine in rain or if heavy moisture is present.

16. Petrol is extremely flammable and poisonous. Petrol should only be dispensed in well ventilated areas, and only when engine is cool.

17. WARNING! POISONOUS EXHAUST GASES. Do not operate petrol powered equipment without adequate ventilation. Carbon monoxide is and invisible odorless gas that can harm or can kill you.

18. Do not operate BEAVER 240 with any covers or doors removed or open.

19. The BEAVER 240 can produce sound pressure levels greater than 85db. The operator must wear approved safety ear protection.

20. Do not allow the supply cord to come in contact with the cutting blade/head or other moving parts of this machine.

Beaver 240

Electrical safety

1. All electrical maintenance and repairs to be carried out by qualified persons only.

2. CAUTION - Line terminals may be alive when main switch is in the “OFF” position. Disconnect all power at source before performing any maintenance or repairs.

3. WARNING - DO NOT operate the machine with any electrical panels open.

4. WARNING - The BEAVER 240 has an overload switch and it will trip when under excessive load and will not allow the machine to be switched on if it is overloaded. (Overload will need to be reset and only will allow it when safe to do so). Continuing to use the BEAVER 240 when constant tripping occurs, VOIDS THE WARRANTY!

5. Never operate machine in the rain or if heavy moisture is present.

6. The overload is there to protect you and the machine from harm. DO NOT alter or adjust the over load in any way. If it is faulty, only replace with original part that is identical to the faulty one.

7. Never bypass over current devices in this machine.

8. Never connect or disconnect power cables when the machine is on or with voltage present or while under load.

9. Disconnect all power connections and observe lock out / tag out procedures before attempting to carry out any maintenance or repair on any equipment.

10. Avoid any contact with any rotating parts or driven parts.

11. Never use equipment that has not been tested and tagged (including cords).

12. Before connecting the machine to power, check the condition of all power leads and cables on, or used in conjunction with the machine. DO NOT USE them if there are any fault(s) cuts; wear marks, Bare wires out of plugs or sockets, etc. Get qualified persons to repair and re-tag it as required by regulations in your country.

13. Do not operate BEAVER 240 with any covers or doors removed or open.

1. Wear clothes suitable for the job and for the work place including, safety shoes, hard hat, hearing protection, non-fogging vented safety goggles, and dust respirator suitable for dust and dust mask suitable for dust and Safety Gloves when changing Blades and accessories.

2. WARNING! POISONOUS EXHAUST GASES. Do not operate petrol powered equipment without adequate ventilation. Carbon monoxide is an invisible odorless gas that can harm or can kill you.

3. Be sure all equipment is tested and tagged prior to use on any job.

4. Inspect entire area in which the machine will operate and remove any bolts or concrete nails etc. that could damage the tooling or machine and which could cause a hazardous situation.

5. Ensure there are no obstacles or existing structures that could present a hazard to the operator. If so, take necessary action to eliminate the hazard.

6. Disconnect the power lead from the BEAVER 240 before changing blades or accessories. Failure to comply could result in bodily injury.

7. Fold handle to the operating mode (see operating mode on following page) and lock in place using the locking levers, then tilt machine back so handle is resting on the floor. (See “Blade Removal Mode” on the following page)

8. The blade is removed by undoing the four M12 socket head cap screws located underneath the blade clamp.

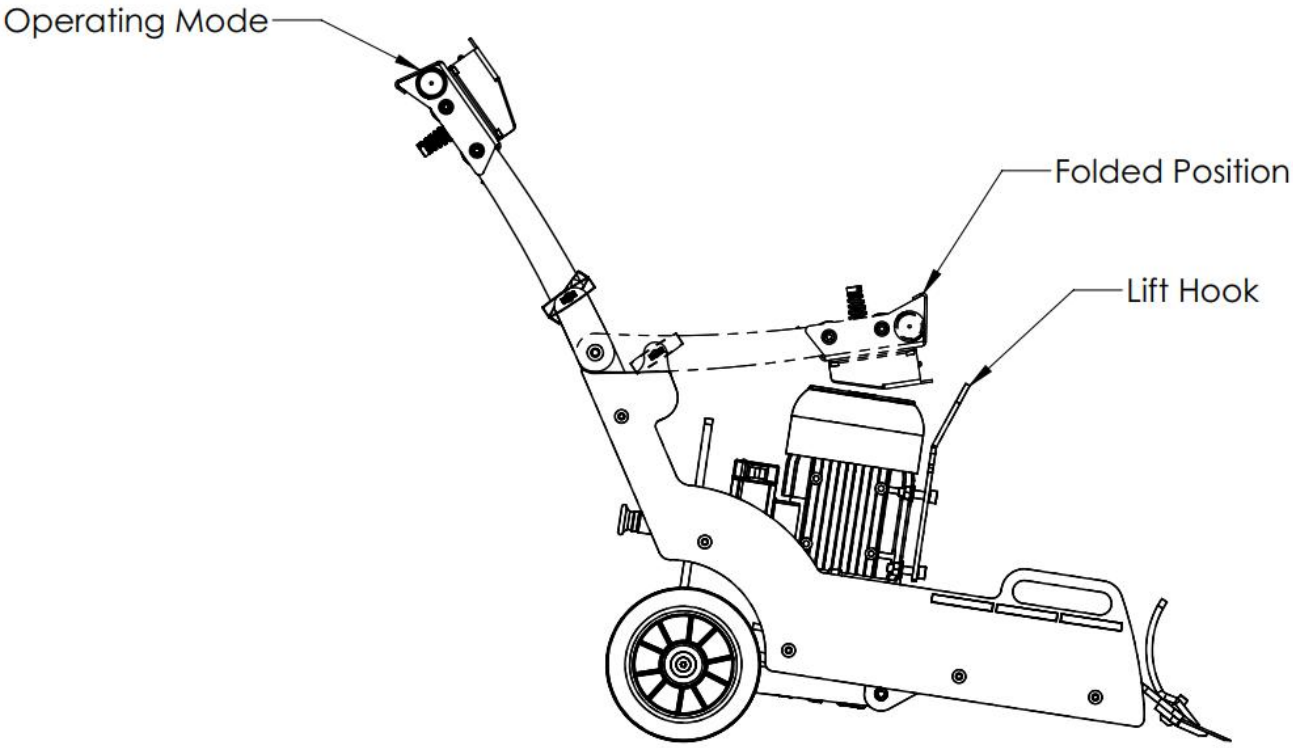
9. Install appropriate tooling into the machine. Only use genuine BEAVER 240 tooling. Failure to comply could result in bodily injury.

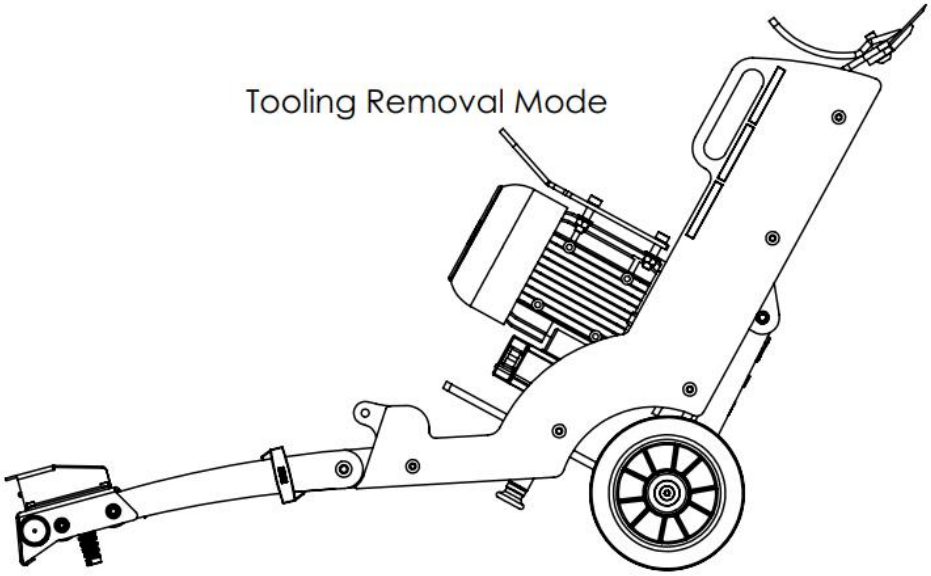
10. See “Tooling Uses and Applications” section for more detail on different tooling and the application to use that tooling.

11. Tilt the machine back onto the blade.

Beaver 240

Operating instructions





12. The BEAVER 240 has axle height adjustment to adjust the angle of attack. Set the axle height at the lowest position before each job and move up only if the machine repeatedly rises over the material being removed.

13. Connect machine to suitable power outlet. Only use a power lead suitable for high current use (preferably 1.5 mm² cable), no longer than 20 meters.

14. If no power is available within the specified distance, have a qualified person install a suitable power outlet closer to your work. Alternatively use 2.5mm² cable for up to 50 meters.

15. Keep machine clear of drainage pits and grates or any such hazard. Failure to comply could result in bodily injury and or could damage the machine or property.

16. Ensure machine is on a level surface and handle is not folded (see operation mode on the previous page).

17. Hold the handles firmly and switch the machine on by moving the switch to the “ON” position.

18. If the over load trips it indicates a problem. (Undersize power lead or poor power to GPO outlet). Refer above for recommendations on power leads. Rectify the problem before continuing. Continuing to use the BEAVER 240 when constant tripping occurs, VOIDS THE WARRANTY!

19. This machine is designed to operate with the wheels in contact with the floor at all times. Do not operate with wheels off the floor.

20. Do not attempt to make any adjustments while the machine is in operation. Any adjustments must only be performed when machine is stopped and power disconnected.

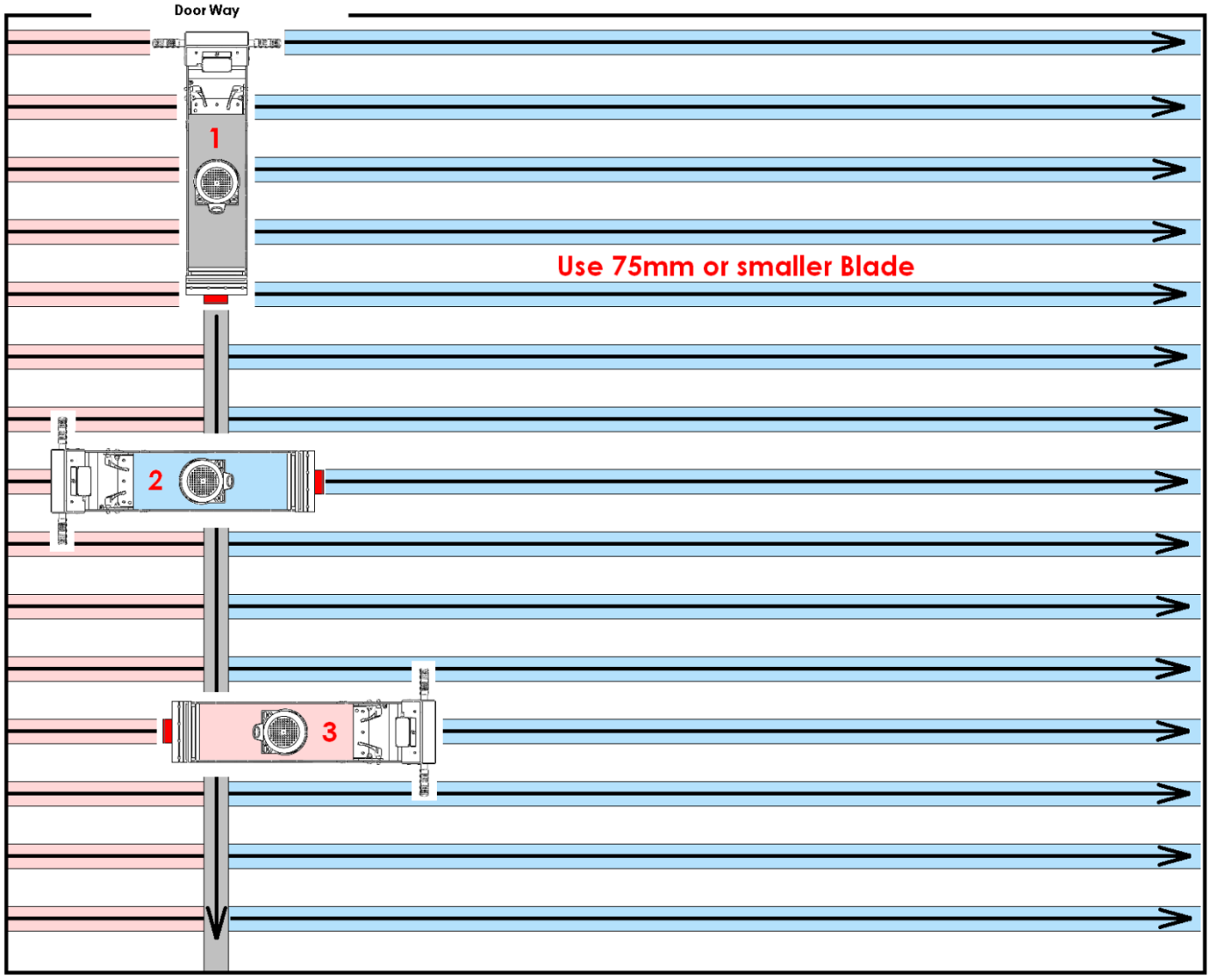
Beaver 240

Floor Take-up Procedure.

1. Create strip to start from across the room

2. Working from the starting strip remove strips leaving 100- 150mm of material between each strip

3. Work the other side of the starting strip to the other end of the room.



Beaver 240

Floor Take-up Procedure.

1. Use a full width blade to remove the remaining material



2.

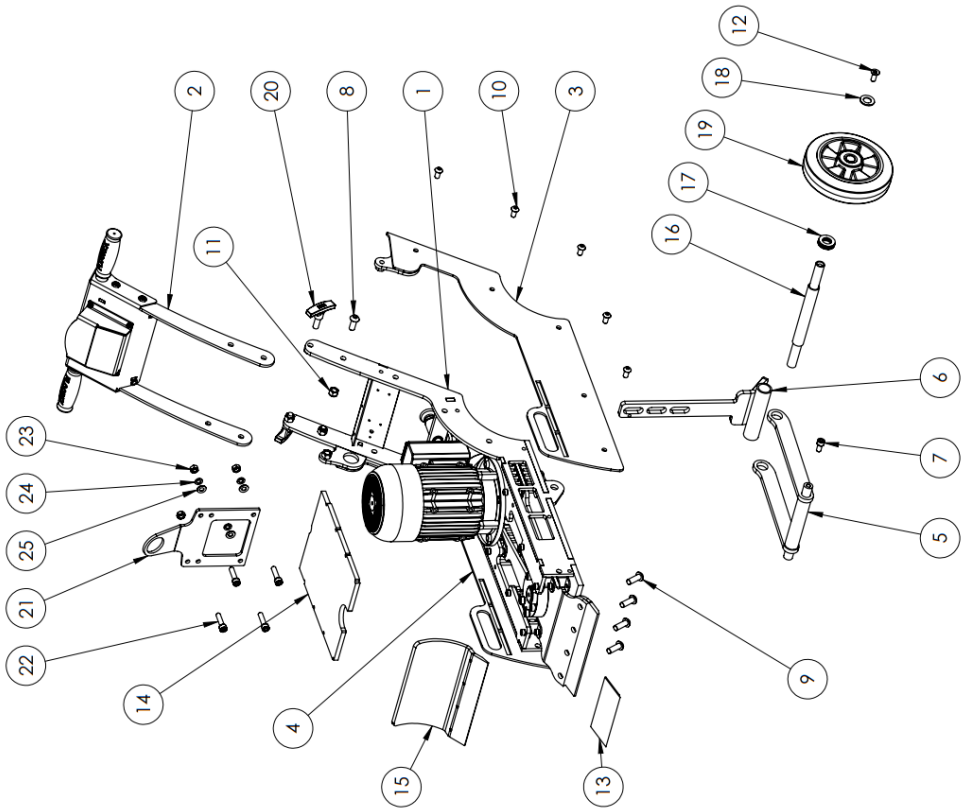
Problem solving

PROBLEM	CAUSE	REMEDY	WHAT IS IT DOING?
Machine will not start / run.	No power is present at cable end.	Check power is present with another tool.	Using another tool confirms power is present
	Power lead is too small in capacity or too long.	Upgrade the power lead to 1.5mm² (20meters) max or 2.5mm² (50 meters max).	The long / small capacity cable is too restrictive and can't allow enough power through for the machine to start / run properly.
Machine is jumping up over the material being removed.	Incorrect angle of attack	Adjust the axle height up one hole at a time.	Increases the angle of attack making the blade stay against the floor on each stroke
	Incorrect blade used	Try turning the blade upside down	Often the blade has a single bevel on it and doing this changes the cutting angle on the blade
		Use a different blade type	Blades come in different thickness for different jobs
The material being removed comes up in big sheets making removal difficult to manage	No carpet blade is installed	Use a blade designed for carpet.	Carpet blades have a cutter on each side of the blade cutting the material into strips as it goes coiling up in front of the machine as you go.
Material take-up is very slow	The machine has limited power and cannot remove the material in one pass	Use a narrow blade and remove strips in the material leaving100m of material on the floor after each strip. Come back and remove the 100 mm strips later with a full size blade.	A narrow blade transfers the same energy of the BEAVER 240 onto a small area making removal easier. Taking up 100mm wide strips of material is easier than removing all material in one pass.

Beaver 240

Parts Diagram Main

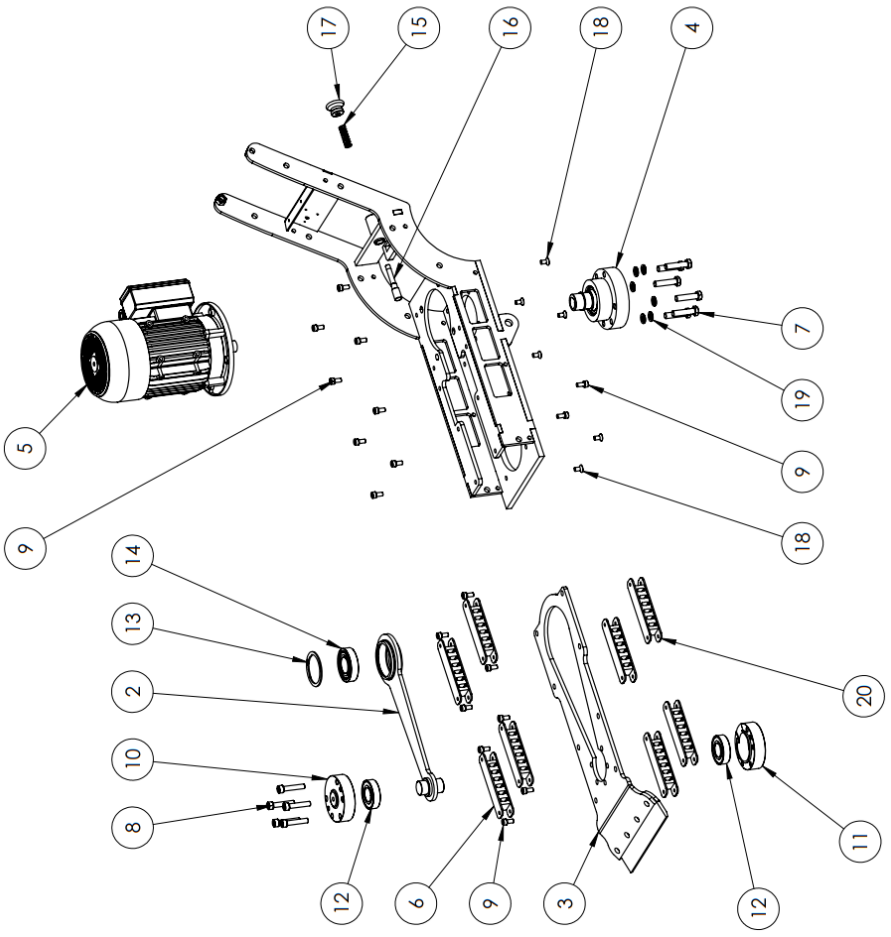
ITEM NO.	PartNo	DESCRIPTION	QTY.
1	See Following Pages	Beaver Main Chassis Assembly	1
2	See Following Pages	Beaver 300 Handle Section	1
3	BV-115	Beaver 240 Side Panel Pair	1
4	BV-115	Beaver 240 Side Panel Pair	1
5	BV-023	Axle Arm Assembly	1
6	BV-035	Axle Height Adjuster	1
7	FS-245	M10 X 20 Socket Head Cap Screw	2
8	FS-223	12 X 30 Button Head	2
9	FS-224	12 X 35 Button Head	4
10	FS-213	10 X 20 Button Head	10
11	FS-366	M12 Nyloc Nut	2
12	FS-268	M10 X 25 Socket Head Countersunk Screw	2
13	BVB-XXXXXX	Blade	1
14	BV-116	Beaver 240 Plastic Cover Plack Poly	1
15	BV-034	Beaver 240/250 Blade Clamp	1
16	BV-022	Beaver 240/250 Wheel Axle	1
17	FS-335	M20 Standard Washer	6
18	FS-338	M18 Standard Washer	2
19	G3-170	200mm Wheel	2
20	MET-067	T Handle 72mm X 12X30	2
21	BV-036-01	Beaver 240 Lift Hook	1
22	FS-248	M10 X 40 Socket Head Cap Screw	4
23	FS-345	M10 Standard Nut	4
24	FS-317	M10 Spring Washer	4
25	FS-332	M10 Standard Washer	4



Beaver 240

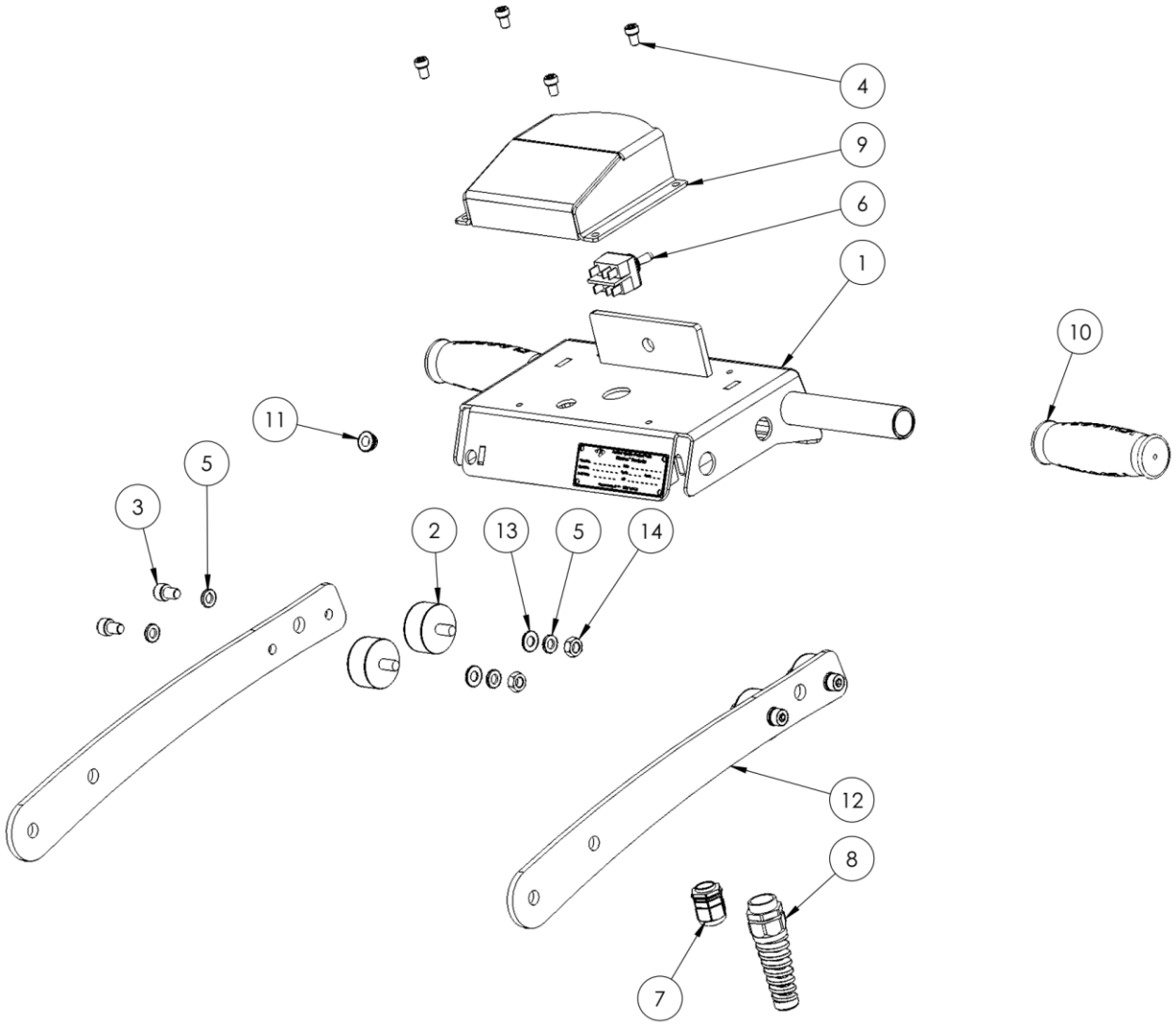
Parts Diagram Chassis

ITEM NO.	PartNo	DESCRIPTION	QTY.
1	BV-001	Beaver Main Chassis Frame	1
2	BV-100	Beaver Conrod	1
3	BV-113	Beaver 240 Main Striker Plate	1
4	See Following Pages	Beaver Main Crank Bearing	1
5	BV-068	Motor Ravel 2 Pole 1.8 Kw	1
6	BV-102-A	Beaver 300 Rubber Mount Upper	4
7	FS-300	M12 X 50 Hex Head Set Screw	6
8	FS-250	M10 X 50 Socket Head Cap Screw	5
9	FS-237	M8 X 16 Socket Head Cap Screw	18
10	BV-103	Beaver Front Bearing Upper	1
11	BV-104	Beaver Front Bearing Lower	1
12	BV-105	Beaver Front Bearing	2
13	BV-107	Beaver Circlip For Rear Conrod Bearing	1
14	BV-106	Beaver Rear Conrod Bearing	1
15	BV-012	Beaver Plunger Lock Spring	1
16	BV-109	Beaver 250 Lock Pull Shaft To Suit BV-110	1
17	BV-110	Beaver - Lock Pull Knob with M10 Female Thread	1
18	FS-266	M8 X 16 Socket Head Countersunk Screw	6
19	FS-318	M12 Spring Washer	6
20	BV-102-B	Beaver 300 Rubber Mount Lower	4



Beaver 240

Parts Diagram Handle



ITEM NO.	PartNo	DESCRIPTION	QTY.
1	BV-033	Beaver 240 Handle Bars Assembly	1
2	BV-008	Beaver Handle Rubber Mounts	4
3	FS-236	M8 X 12 Socket Head Cap Screw	4
4	FS-230	M6 X 10 Socket Head Cap Screw	4
5	FS-316	M8 Spring Washer	8
6	BV-065	Beaver Toggle Switch	1
7	G3-364	Nylon Cable gland M16	1
8	BV-061	Gland With Support PG16	1
9	BV-011-01	Beaver Switch Box Cover	1
10	G3-350	Floorex Hand Grip	2
11	MET-027	Rubber Grommet Quick Fit 12mm	1
12	BV-206-01	Handle Arm	2
13	FS-331	M8 Engineers Washer	4
14	FS-344	M8 Standard Nut	4
15	G3-400	Floorex Serial Number Plate	1

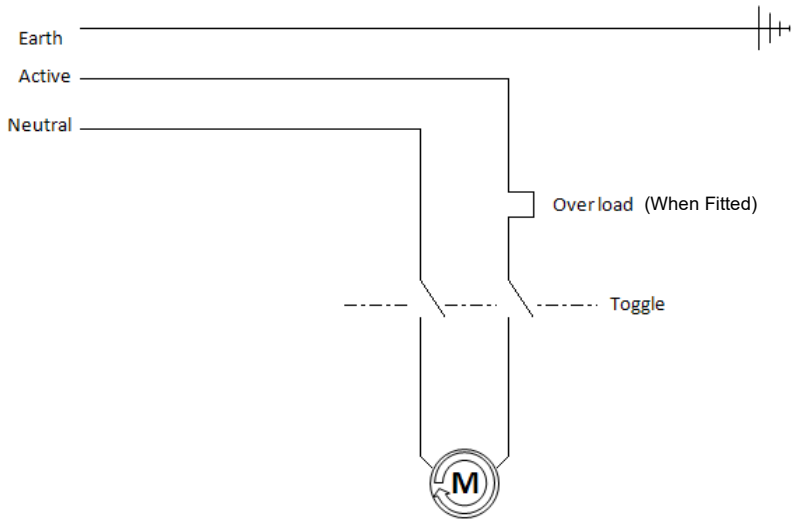
Beaver 240

Wiring Diagram

Floorex Products

Concrete Preparation & Coating Systems

Model	Make	Date Drawn	Revision Number
Beaver 250	Prepmaster	2/09/2010 14:33	1



Beaver 240

Floorex Products

Your complete supplier of all your concrete surface preparation needs

- Diamond grinders
- Dust extraction
- Shotblasters
- Screed mixers
- Diamond Consumables
- Coating application
- Floor Scrapers
- Screed Pumps

FLOOREX PRODUCTS
11 Jennings Road
Swan Hill VIC.
3585

Web: www.floorex.com.au
Email: sales@floorex.com.au