

511182, 511163 & 511165 PROCRAFT & TOOLEX CONCRETE MIXER 3.5CU/FT

TOOLEX[®]
Industrial



INSTRUCTION MANUAL

www.toolex.com.au

CONSUMER SERVICE CENTRE
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Made in P.R.C.



N3570

GENERAL SAFETY RULES

WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) Work area

- a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

3) Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invite accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e) Do not overreach. Keep proper footing and balance at all times.

This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

h) The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

i) Children should be supervised to ensure that they do not play with the appliance.

4) Power tool use and care

a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) Store idle power tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc. in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

h) Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

5) Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

ADDITIONAL SAFETY RULES

• Read and understand the owner's manual and labels affixed to the mixer. Learn its application and

limitations as well as the specific potential hazards particular to it.

- Do not operate the mixer while under the influence of drugs, alcohol or any medication that could affect your ability to use it properly.
- Check your mixer before turning it on. Keep guards in place and in working order. Form a habit of checking to see that keys and adjusting wrenches are removed from tool area before turning it on. Replace damaged, missing or failed parts before using it.
- Always wear safety goggles and/or face shields. Any mixer may throw foreign objects into the eyes. Everyday eyeglasses have only impact resistant lenses. They are not safety glasses.
- Improper use of extension cords may cause inefficient operation of the mixer which can result in overheating. Be sure the section of extension cord is enough to allow sufficient current flow to the motor. Avoid use of free and inadequately insulated connections. Connections must be made with protected material suitable for outdoor use.
- Check that the electric circuit is adequately protected and that it corresponds with the power, voltage and frequency of the motor. Check that there is a ground connection. Prevent body contact with grounded surfaces: pipes, radiators, ranges and refrigerator enclosures. Make sure your fingers do not touch the plug's metal prongs when plugging or unplugging the mixer.
- The mixer is not to be towed by any vehicle. It will do a better and safer job at its design rate. Don't use the mixer for any purpose for which it was not intended.
- Do not attempt to load or unload the materials until the mixer has stopped. Keep hands out of the way of all moving parts.
- Keep children and infirm people away from the machine when it is connected to the power supply.
- Check the power cord. Never use a faulty or damaged power cord.
- If the cord set is damaged, take the cement mixer to an authorized service centre for repair or parts replacement.
- Never attempt any repairs yourself, always take it to an authorized service centre for repair or parts replacement.
- Keep the cement mixer and your workplace clean of debris and any unnecessary objects.
- Keep the area free of tripping hazards.
- Persons working with the machine should not be distracted.
- Periodically, check that all nuts, bolts and other fixings are properly tightened.
- Adjustments, measurements and cleaning jobs are only to be performed when the motor is switched off and the mains plug is removed.
- Before you switch off the machine, check that all wrenches and adjustment tools have been removed.
- When you leave your workplace, switch off the motor and pull out the power plug.
- It is imperative to observe the accident prevention regulations in force in your area as well as all other generally recognized rules of safety.
- Never use the cord for any purpose other than that for which it is intended.

- Unless otherwise stated in these instructions,damaged safety devices and parts must be repaired or replaced by an authorized service facility.
- Have damaged switches replaced by an authorized service facility.
- This tool complies with the pertinent safety regulations.
- Repairs are to be carried out only by qualified electricians at authorized service facilities,using original replacement parts.The user may suffer an accident of this condition is not observed.
- Always switch the mixer on when the drum is empty,before loading the unit with mixing material.
- Do not place the shovel into rotating drum while it is rotating.

511182 Procraft Specifications
 Voltage: 240V - 50Hz
 Power Input: 750W/1HP
 Capacity : 3.5cu/ft
 Gross drum volume: 180 Litres
 Unmixed Dry: 145 Litres
 Mixed Wet: 100 Litres
 Drum mouth diameter: 450mm
 Weight: 111KG

511163 Toolex Specifications
 Voltage: 240V - 50Hz
 Power Input: CMG 750W/1HP
 Capacity : 3.5cu/ft
 Gross drum volume: 180 Litres
 Unmixed Dry: 145 Litres
 Mixed Wet: 100 Litres
 Drum mouth diameter: 450mm
 Weight: 106KG

511165 Procraft Specifications
 Petrol Engine: 3.5HP (2.6kW)
 Power Output: 3.5HP
 Capacity : 3.5cu/ft
 Gross drum volume: 180 Litres
 Unmixed Dry: 145 Litres
 Mixed Wet: 100 Litres
 Drum mouth diameter: 450mm
 Weight: 132KG

INSTRUCTIONS for Assembly

1. Lay #1 Main Frame Assembly on a clean plain ground(Fig.1),put #2 Wheel Stand Assembly through # 1(Fig.2),and fix with 4 M 10× 30 Bolts # 22 from one side,and the other side with 10 mm Flat Washer#23 ,and M 10 Hex Nut #25,tighten all.
2. Put Wheel #3 to the shaft. Note-the valve should be outward.Then put Stop Washer # 4 and fix with 5× 40 Split Pin # 26(Fig.3)
3. One person put Drum Support Assembly #15 onto the lower shaft cover on the top of frame # 1(Fig.4),with the help of another,put Shaft Cover/upper#13 onto the #15(Fig.5).Lock with 4 M10× 25 Bolt #44 from upside,then the other side with 10mm Flat Washer #23 and M10 Self-Lock Nut # 45.ATTENTION:do not



fix too tight as the shaft has to be left turning freely.

4. Put Pulley Cover/Inside #12 through Shaft #16, fix with 2 M6× 20 Hex Bolt # 43, 6mm Flat Washer #29 from one side, then 6mm Flat Washer #29, and M6 Hex Nut # 31 and tighten well (Fig.7). Put 1 M 6× 20 Bolt # 39 with 6mm Flat Washer # 40 through the hole on the bottom #12 and the hole on Main Frame #1, from the other side lock with 6 mm Flat Washer # 40 and Hex Nut 42 # , tighten.
5. Put 8× 60 Key Way #51 onto the shaft #16, Pulley #10 onto the shaft #16, with the pin hole side outward (Fig.8), with 8× 20 #32 Hex bolt tighten . Then , put the Belt #11 onto the Pulley #10.
6. Put Motor Stand Assembly #5 to Main Frame Assembly # 1. One person holds Motor Stand Assembly # 5, align with the bolts on Frame # 1, tight with 16mm Flat Washer and M16 Hex Self-lock Nut # 27. Do not tighten nuts till Motor #7 is fixed and the tension of Belt #11 is adjusted well (Fig.9).
7. Hold Drum #20 which is fixed with flat washer well. with the help of another person assemble the Drum support #15 (Fig. 10).
8. Lock drum shaft with Stop Washer #18 and 6× 50 Spring Pin # 50 (Fig.11) Then Cover #17
9. Assemble Handle #14 with 2 M10× 30 Hex Bolt #49 from one end, and 10 mm Flat Washer #23, M 10 Hex Nut #25. Then tighten all (Fig.12)
10. Put Motor #7 into Motor Stand Assembly #5 (Fig 13) and make sure Motor Pulley #8 aligns with Pulley #10. Fix Motor #7 with 4 M8× 20 Hex Bolt #32, 8mm Flat



Washer #33 from upper side, 8mm Flat Washer #33 and M8 Hex Nut #35. Then move Motor Stand Assembly #5 up and down to get the proper belt tension, and tighten.

11. Assemble Pulley Cover/Outer #9 (Fig.14) with 7 M4 x 10 Cross Head Bolt #39 and 5 mm Flat Washer #40 from one end, and 5 mm Flat Washer #40 and M4 Hex Nut #42 from the other end. Then, tighten all. Fix Motor Cover #6 with 4 M6 x 20 Hex Bolt #28, 2 pieces 6mm Flat Washer #29, M6 Hex Nut #31.

12. Finally, Lock all necessary bolts and nuts (Fig.15). The mixer is ready for operation now.

WARNING:

1. Fill Grease into oil points (Fig.16) thoroughly before starting mixer and change oil every 50 hours of running time 80W/90 Gear oil.
2. ALWAYS START MOTOR BEFORE LOADING MIXER
3. Check belt tension every 20 hours

MAINTENANCE

Before each use

Inspect the power cable and ensure it is completely sound. Ensure also that it is not in danger of being damaged by vehicles, equipment or other operations taking place in the vicinity.

Periodically

Inject a few drops of grease into the three oil points (a+b+c), located on shaft position of the Drum Support Assembly c/w Handle (B) and rotate the drum to ensure distribution of oil within the bearing surface. Inspect the paintwork and remove any rust that may be apparent before touching up there necessary, with a rust resistant paint.



(Fig.7)



(Fig.8)



(Fig.9)



(Fig.10)

After each use

It is strongly recommended that the machine is hosed down thoroughly with clean water, taking care to prevent water from entering the Motor housing by wrapping a polythene sheet or bag over it during the cleaning process. Turn the drum so that it is face down to allow all water to drain off. Protect it from the elements by covering with a tarpaulin. This is particularly important if the machine is to be stored for a period of time.

LOADING

- Ensure the cement drum is in the upwards position and the mixer is on a stable and relatively level ground surface.
- Load the drum with the suggested mixture as stated on the bag of cement for the job being performed.
- Do not ever place your hand inside the rotating drum or never use a poker to free 'clogged mixture inside a rotating drum. Always turn off the mixer to clear any unmixed or 'clogged mixture in the drum.
- Do not over load the mixer.

EMPTYING THE CEMENT MIXER

- The operator should stand on the right-hand side of the drum (when facing the mouth for the drum) so as to pull the levers towards the operator to ensure full control.
- Do not attempt to lift and push the levers away from the opposite side.
- Turn the cement drum in the downwards position by taking hold of the near side tilting handle and with a pulling action start rolling the drum towards the empty position. As the second handle becomes in reach, hold both handles firmly to



(Fig.11)



(Fig.12)



(Fig.13)



(Fig.14)

continue the roll of the drum to the empty position. For example, to the right side (facing the inside of the drum).

NOTE: Do not lean across the mixer to grasp both tilting handles. Use the first tilting handle closest to you to start the roll and then as soon as the second handle is in reach, use both handles to support the load and continue the roll.

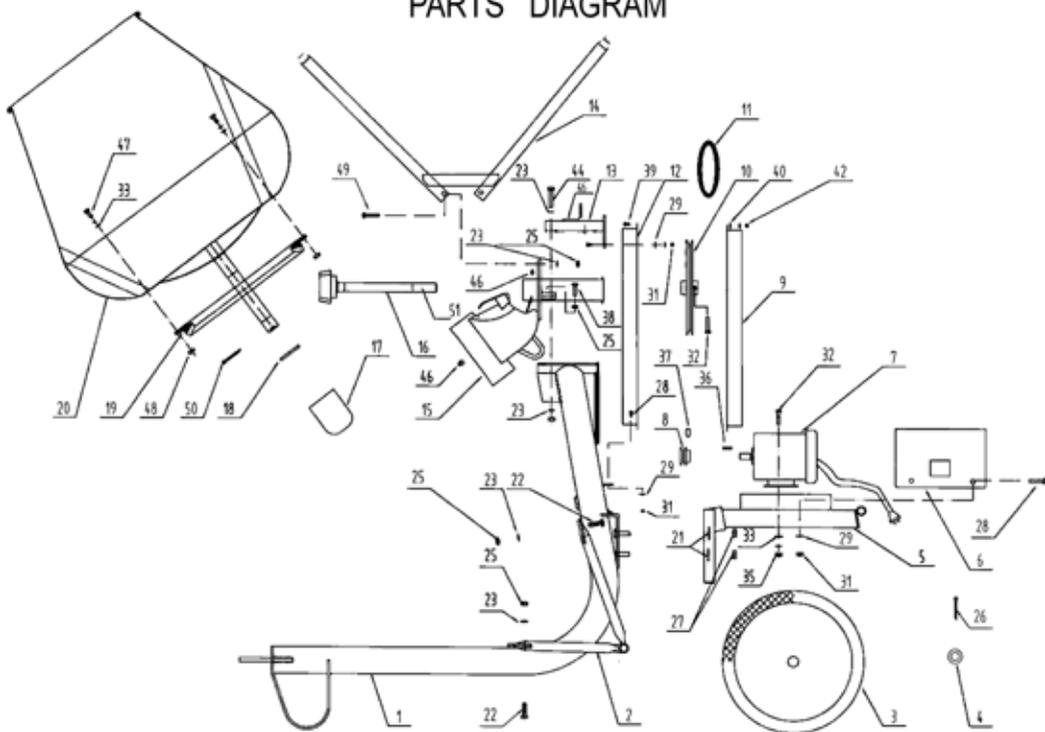


PARTS LIST

No.	Description	Quantity
1	Main Frame Assembly	1
2	Wheel Stand Assembly	1
3	Wheel	2
4	Stop Washer	2
5	Motor Stand Assembly	1
6	Motor Cover	1
7	Motor Assembly	1
8	Motor Pulley	1
9	Pulley Cover/Outer	1
10	Pulley	1
11	Belt A type 1346 mm	2
12	Pulley Cover/Inner	1
13	Shaft Cover/upper	1
14	Handle	1
15	Drum Support Assembly	1
16	Transmission Shaft and Gear Assembly	1
17	Cover	1
18	Adjust Washer	1 SET
19	Drum Gear	1
20	Drum and Shaft Assembly	1

21	Lock Plate ϕ 16	2
22	Hex Bolt M10X30	4
23	Flat Washer 10mm	10
25	Hex Nut M10	10
26	Split Pin 5X40	2
27	Hex Selflock Nut M 16	2
28	Hex Bolt M6X20	7
29	Flat Washer 6mm	14
31	Selflock Nut M 6	7
32	Hex Bolt M8x20	6
33	Flat Washer 8mm	8
35	Hex Nut M8	4
36	Flat Key 5x35	1
37	Inner Hex Lock Pin M8x16	1
38	Hex Bolt M12x50	1
39	Cross Head Bolt M4x10	7
40	Flat Washer 4mm	14
42	Hex Nut M 4	7
44	Hex Bolt M10X30	4
46	Oil Cup	3
47	Hex Bolt M10X25	8
48	Hex Selflock Nut M 10	8
49	Hex Bolt M10X30	2
50	Split Pin6X50	1
51	Key Way 8MMX60	1

PARTS DIAGRAM



Warranty Against Defect

Toolex Industrial & Gasweld Tool Centre this product for a full replacement or refund for: 12 months from date of purchase. This guarantee covers material and workmanship defects only.

In order for the guarantee to be acted on, the consumer must use the products strictly in accordance with their operating manual and for the purpose for which they are intended to be used. This guarantee does not apply to defects arising from abuse, alteration, unauthorized or unreasonable use, nor does it cover general deterioration due to usage.

We will replace the product or provide a refund to the value of the purchase price if a defect is found in the product during the guarantee period of 12 months, subject to verification of the defect and the date, proof of purchase and purchase price. Furthermore, in order for the guarantee to be claimed, the defective goods must be returned to the point of purchase promptly from the point in time that the consumer becomes aware of the defect in the goods and in any case within 7 business days.

The procedure for the consumer to claim the guarantee is that the product must be returned to the point of purchase within 7 business days of the consumer becoming aware of the defect in the product and subject to the point of purchase being satisfied that it is a genuine claim within the time limits prescribed above, then the retailer will contact the wholesaler for review and determination as to whether a full refund is to be provided in relation to the product or whether the product is to be repaired and returned. The wholesaler reserves the right to reject the guarantee claim if it can be proved that the goods have not been used in accordance with their intended purpose or in accordance with the manual.

The benefits of this guarantee are additional to any other rights and remedies you may have under law. Once we have received the product and you have complied with the guarantee requirements, our costs associated with the guarantee claim will be borne by us.

No responsibility will be taken for products lost, damaged or mislaid whilst in transit.

To the extent permitted by law, our total liability for loss or damage of every kind related to the product in any way whatsoever is limited to the amount paid to the retailer by you for the product or the value of the product.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensations for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

These terms and conditions supersede and exclude all former and other representations and arrangements relating to any guarantees on this product. This includes any representations not made by us relating to the performance of the product or the result that should to be expected from using the product.

Address for the return of products: The Point of Purchase

Importer and organization providing warranty

Toolex Industrial
55 Griffiths Road
Lambton NSW 2299
Telephone: 0249067700

