

CROMMELINS™ MACHINERY

CROMMELINS™ COMPACTORS

OPERATION & INSTRUCTION MANUAL

Thank you for your selection of a CROMMELINS™ Compactor.
This Operation Manual explains its use, installation, checking and maintenance.
We highly recommend that you retain this manual for ready reference regarding
proper handling of the CROMMELINS™ Compactor.



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Thank you very much for purchasing a CROMMELINS™ COMPACTOR.
 This manual covers operation and maintenance of the CROMMELINS™ COMPACTOR.
 This CROMMELINS™ COMPACTOR can be used in the mining, construction, hire industries
 and general use.

Please take a moment to familiarise yourself with the proper operation and maintenance
 procedures in order to maximise the safe and efficient use of this product.

Keep this owner’s manual at hand, so that you can refer to it at anytime.
 Due to constant efforts to improve our products, certain procedures and specifications
 are subject to change without notice.

When ordering spare parts please have handy your products model number and serial
 number. Record these numbers in the boxes below for future reference.

MODEL NO.

SERIAL NO.

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SAFETY

This manual contains important information on how to use the following compactor models CC60R, CC70R, CC70RD, CC90R and CC92R properly and safely. Please read through this manual before you attempt to operate this product.

Ensure safe operation, this compactor is designed to give safe and dependable service if operated according to the instructions.

- Always make a pre-operation inspection before starting the engine. (For more information read engine operational manual)
- Stay AWAY from base plate during operation.
- Do not place flammable objects near the unit.
- Children and pets must keep away from the area of operation at all times.
- Never allow anyone to operate the unit without proper instructions.
- Must know how to stop the engine quickly and understand the operation of all controls.
- Be careful with the operating place and ventilation, avoid operating the machine in a closed room, tunnel, or other badly ventilated places, since its exhaust contains deadly poisonous carbon monoxide. If the machine is unavoidably operated in such a place, discharge the exhaust outside the room by a suitable means.
- Mufflers and other hot parts are dangerous. Do not touch them with hands or any other body parts.
- Observe the following cautions when transporting. Close fuel tank cap securely and close fuel tap tightly during transportation. Drain petrol or diesel from fuel tank before transporting over a long distance or on rough roads.
- Stop engine without fail before replenishing fuel tank. Never replenish fuel while the engine is running or remains hot otherwise spilled or evaporated fuel is liable to catch fire from the engine spark or muffler heat. Wipe off spilled fuel before starting engine.

To prevent injury wear the following protective clothing: Gloves, hard hat, work boots, ear plugs, safety goggles and any other protective items required by job conditions.



PRE START-UP CHECKING

- Consult engine manual for detailed starting information.
- Check all bolts and screws for tightness. Loose bolts and screws may cause damage to the unit.
- Make sure that all dirt, mud, etc., are thoroughly removed from areas such as cooling air inlet of engine, carburettor, and air cleaner.
- Check V-belt tightness. The normal slack should be approximately 10-15mm (1/2") when the belts are forcibly depressed in the middle position between two pulleys. To set belt tightness; refer to Belt Setting at page 3.
- Check fuel level and refill as required.
- Check engine oil level. If engine oil level is low, refill it with the correct engine oil as stated in the engine manual.

CAUTION! – Make sure nobody is in the vicinity of the compactor when starting the engine; it might move suddenly with force.

STARTING (PETROL UNITS)

STEP 1 – Open engine fuel cock.

STEP 2 – Set throttle lever to starting position.

STEP 3 – For cold engine starting, close carburettor choke lever.

STEP 4 – Set engine switch to "ON".

STEP 5 – Pull recoil starter.

IMPORTANT: Do not pull recoil starter rope to the end as it may cause damage. When the rope is pulled out, release the rope slowly. Do not let the rope snap back.

STEP 6 – After engine starts, open the choke halfway and warm up the engine for 2-3 minutes with low speed position. The warm up procedure should particularly be followed during cold weather.

STARTING (DIESEL UNITS)

STEP 1 – Set speed control to low speed.

STEP 2 – Pull recoil starter rope until resistance is felt.

STEP 3 – Bracing foot against engine, pull recoil starter rope with both hands.

IMPORTANT: Do not pull recoil starter rope to the end as it may cause damage. When the rope is pulled out, release the rope slowly. Do not let the rope snap back.

HINTS OF OPERATION

- During uphill compaction, it may be necessary to swing the handle over and pull the machine slightly.
- When compacting on a sloping terrain, the machine may tend to slide sideways. The operator must steer toward the rise causing the machine to travel at an angle.
- When operating the machine in wet or damp soil, it may occasionally be required to clean the bottom of the base plate. Mud accumulation on the base plate will slow the machine down and prevent efficient soil compaction.
- When operating this compactor on asphalt surface, it is recommended that light oil or kerosene be applied to the bottom of the base plate to prevent asphalt sticking and/or accumulation.
- Operating the machine on a fully compacted, hard, or non-yielding surface will cause it to bounce and damage exciter bearings, and will greatly reduce the life of the machine. Reduce engine speed to eliminate bounce.
- When transporting the unit ensure the fuel tap is turned “OFF” to prevent flooding.



SHUTDOWN – PETROL UNIT

- STEP 1** – Move throttle lever to low speed position quickly and run engine for 2-3 minutes at low speed.
- STEP 2** – Turn of the stop switch, the engine stops completely.
- STEP 3** – Close engine fuel cock.
- STEP 4** – Cover the machine after the muffler has cooled off and keep the compactor in a dry place.

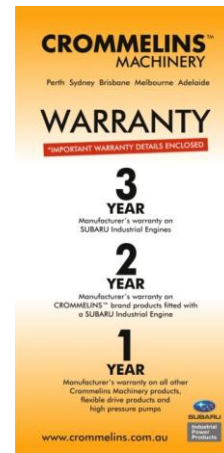
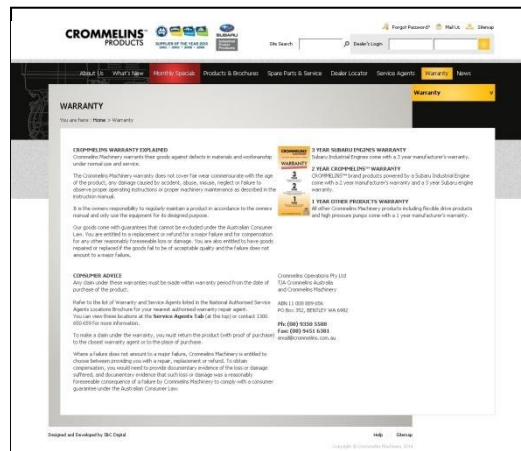
EMERGENCY SHUTDOWN: Move throttle lever to OFF and press engine stop button.

SHUTDOWN – DIESEL UNIT

- STEP 1** – Move throttle lever to low speed position quickly and run engine for 2-3 minutes at low speed.
- STEP 2** – Move the throttle lever to the stop position.
- STEP 3** – Cover the machine after the muffler has cooled off and keep the compactor in a dry place.

WARRANTY

Consult the CROMMELINS Machinery warranty leaflet (supplied with your new product) for full details and a list of service dealers for this product, also available online at www.crommelins.com.au.



MAINTENANCE

CAUTION!

FLAMMABLE LIQUID. When performing maintenance, stop engine and do not smoke in adjacent area.

HIGH TEMPERATURE. Allow machine and engine to cool down before performing maintenance. Contact with hot components can cause serious injury.

MOVING PARTS. Make sure engine is shutdown before maintenance. Contact with moving parts can cause serious injury.

Daily Service

- Check air cleaner element and clean as necessary.
- Check engine oil levels.
- Check for any loose fasteners.
- Check belt tension.

Weekly Service (every 50 hours of operation)

- Refer to engine service manual.

BELT SETTING

STEP 1 – Loosen engine base bolt (underneath engine) to allow engine-base movement.

STEP 2 – Insert V-belt into clutch pulley and reducer pulley one at a time.

STEP 3 – Adjust the engine position by moving engine-base to ensure v-belts are tight enough.

IMPORTANT: Normal slack should be approximately 10-15mm (1/2”) when the belts are forcibly depressed in the middle position between rotor pulley and clutch pulley. Tighten all engine bolts and cover V-belt and pulley with belt cover, tighten cover bolts.

STORAGE

- Ensure fuel tank tap is turned off.
- Make sure that the engine is completely cooled off before storage.
- Clean up oil and dust accumulation on rubber parts.
- Clean the base plate and wipe on a light coat of oil to prevent rust formation.
- Cover the machine and store it in a dry place.

For Long-term Storage

- Remove fuel from the fuel tank. Also remove fuel remaining in the fuel line and chamber of the carburettor. To drain fuel from the chamber of the carburettor, remove the drain plug provided at the chamber and remove fuel.

PLATE COMPACTOR SPECIFICATION CHART

MODEL	CC60R	CC70R	CC70RD
Weight (kg)	58kg	82kg	98kg
Engine Make	Subaru	Subaru	Subaru
Engine	3.5hp EY15	6.0hp EX17	4.8hp DY23
Engine Features	Side Valve, Recoil Start	OHC	OHV
Fuel Type	Petrol	Petrol	Diesel
Fuel Tank	2.8L	3.6L	3.2L
Noise Level db@7m	67db	66db	66db
Manufacturers Warranty	2 yrs	2 yrs	2 yrs
Engine Warranty	3 yrs	3 yrs	3 yrs
Centrifugal Force (kn)	12kn	18kn	18kn
Plate/Shoe Size (LxW mm)	520L x 360Wmm	610L x 460Wmm	610L x 460Wmm

PLATE COMPACTOR SPECIFICATION CHART

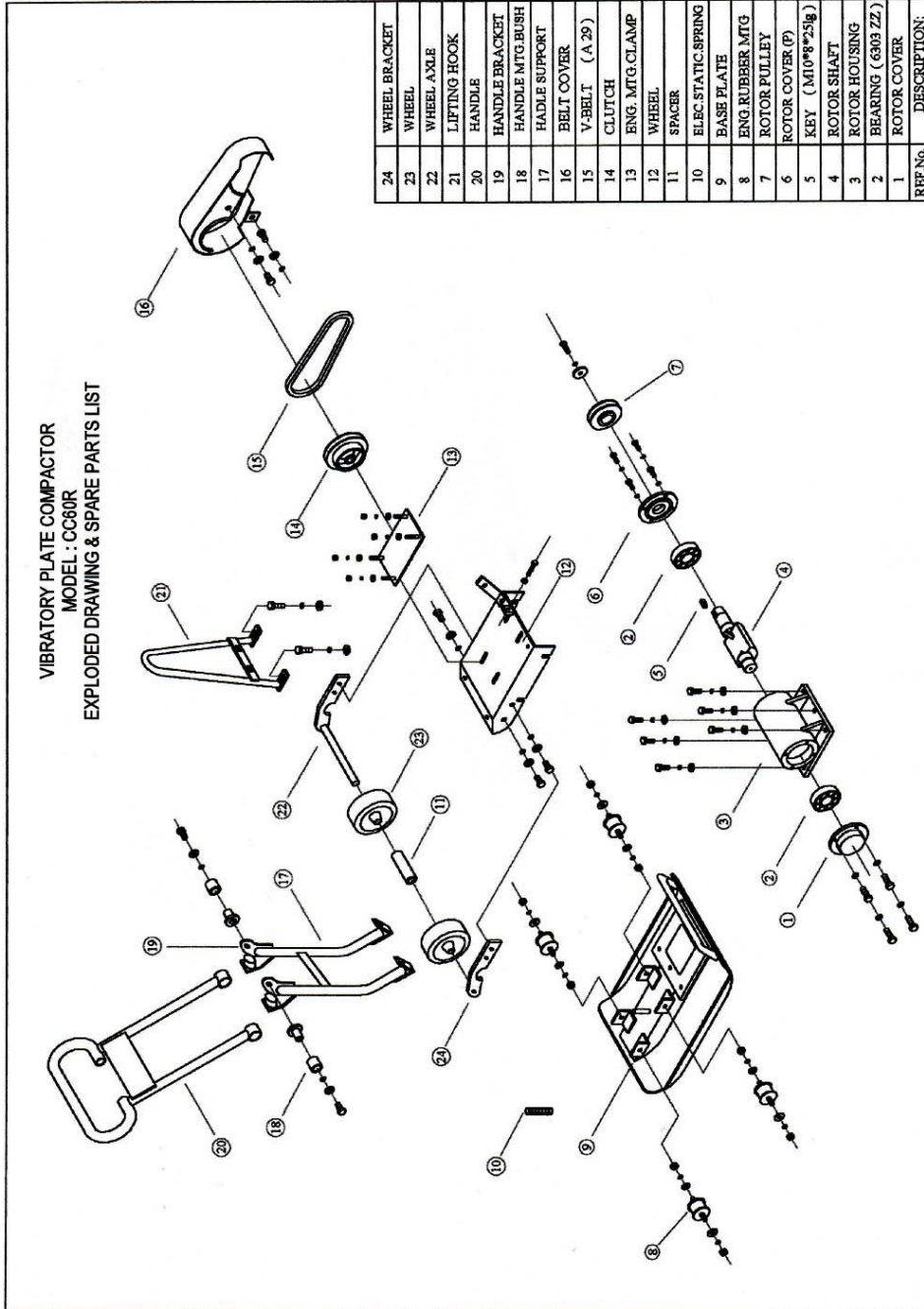
MODEL	CC90R	CC92R
Weight (kg)	84kg	102kg
Engine Make	Subaru	Subaru
Engine	5.0hp EY20	6.0hp EX17
Engine Features	Side Valve, Recoil Start	OHC
Fuel Type	Petrol	Petrol
Fuel Tank	3.8L	3.6L
Noise Level db@7m	69db	66db
Manufacturers Warranty	2 yrs	2 yrs
Engine Warranty	3 yrs	3 yrs
Centrifugal Force (kn)	16.5kn	20kn
Plate/Shoe Size (LxW mm)	540L x 500Wmm	590L x 500Wmm

TROUBLE SHOOTING GUIDE

If the compactor malfunctions immediately shut the machine down. Following are some simple trouble shooting tips:

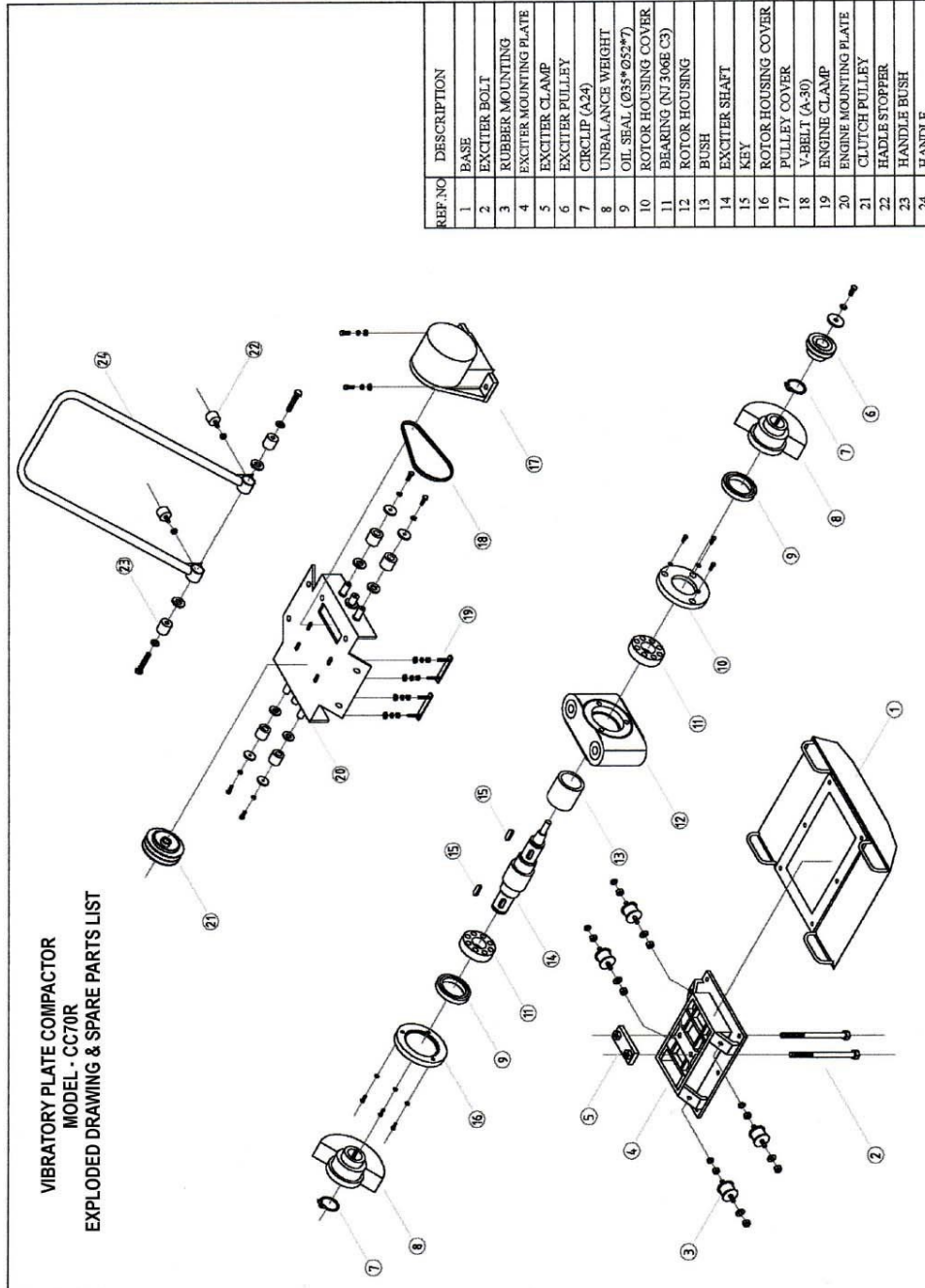
PROBLEM	CAUSE	SOLUTION
Engine won't start, or stops suddenly	<ol style="list-style-type: none"> 1. No fuel in engine 2. Engine switch being set to "OFF" 3. Spark plug carbonised 4. Fuel strainer clogged 5. Carburettor blocked 	<ol style="list-style-type: none"> 1. Refill Fuel 2. Turn the engine switch to "ON" 3. Clean spark plug or replace it with a new one 4. Clean fuel strainer 5. Dismantle and clean carburettor
Engine runs but the machine does not produce any vibration	<ol style="list-style-type: none"> 1. Air cleaner element clogged 2. Lack of engine power 3. Centrifugal clutch is slipping 4. Improper v-belt tension, or excessive wear of v-belt 	<ol style="list-style-type: none"> 1. Dismantle the cleaner element and clean the element with proper solvent (see engine manual) 2. Refer to engine manual 3. Dismantle the clutch assembly and clean the shoe and drum with proper solvent 4. Adjust the tension or replace the belt with new one
IF THE FAULT PERSISTS, CONTACT YOUR LOCAL DEALER.		

CC60R EXPLODED DRAWING & SPARE PARTS LIST



REF.No	DESCRIPTION:
24	WHEEL BRACKET
23	WHEEL
22	WHEEL AXLE
21	LIFTING HOOK
20	HANDLE
19	HANDLE BRACKET
18	HANDLE MTG.BUSH
17	HADLE SUPPORT
16	BELT COVER
15	V-BELT (A 29)
14	CLUTCH
13	ENG. MTG.CLAMP
12	WHEEL
11	SPACER
10	ELI.C.STATIC.SPRING
9	BASE PLATE
8	ENG.RUBBER.MTG
7	ROTOR PULLEY
6	ROTOR COVER (F)
5	KEY (M10*8*25lg)
4	ROTOR SHAFT
3	ROTOR HOUSING
2	BEARING (6803 ZZ)
1	ROTOR COVER

CC70R EXPLODED DRAWING & SPARE PARTS LIST



CC90R EXPLODED DRAWING & SPARE PARTS LIST

VIBRATORY PLATE COMPACTOR
MODEL - CC90R
EXPLODED DRAWING & SPARE PARTS LIST

REF.NO	DESCRIPTION	SIZE
20	BASE PLATE	
19	RUBBER MOUNTING	
18	BRACKET	
17	ROTOR COVER	
16	ROTOR HOUSING	
15	KEY	
14	ROTOR SHAFT	
13	BEARING	6309 ZZ C3
12	OIL SEAL	40/55/8
11	ROTOR COVER	
10	ROTOR PULLEY	
9	BELT COVER	
8	CLUTCH PULLEY	
7	V-BELT	A31
6	ENGINE CLAMP	
5	ENGINE MOUNTING PLATE	
4	RUBBER BUSH	
3	LIFTING HOOK	
2	RUBBER BUSH	
1	HANDLE	

CC92R EXPLODED DRAWING & SPARE PARTS LIST

**VIBRATORY PLATE COMPACTOR
MODEL - CC92R
EXPLODED DRAWING & SPARE PARTS LIST**

REF. NO	DESCRIPTION
1	FOLDING HANDLE
2	SPRING WASHER M12
3	PLAN WASHER M12
4	SPRING WASHER M12
5	LOCK NUT M12
6	UPPING FOOT M10 X 25
7	PLAN WASHER M10
8	HEX NUT M10
9	TANK BRACKET A
10	HEX BOLT M10 X 25
11	PLAN WASHER M10
12	TANK
13	WATER TANK CLIP
14	WIPPER 38"
15	NIPLLE 38"
16	BALL VALVE 38"
17	CLIP 38"
18	HEX BOLT M12 X 25
19	SPRING WASHER M12
20	ROTOR COVER (A)
21	O-RING
22	ROTOR HOUSING
23	SPRING WASHER M12
24	PLAN WASHER M14
25	SPRING WASHER M14
26	ROTOR COVER (B)
27	ROTOR SHAFT
28	SPRING WASHER M10
29	BEARING
30	WHEEL 4"
31	WHEEL KIT BRACKET
32	WHEEL KIT BRACKET
33	SPRING WASHER M8
34	ENGINE MOUNTING PLATE
35	HEX BOLT M10 X 25
36	HEX BOLT M10 X 25
37	PLAN WASHER M8
38	SPRING WASHER M8
39	HEX BOLT M12 X 20
40	PLAN WASHER M8
41	BASE PLATE
42	HOSE
43	CLIP 38"
44	SPRINGER
45	HEX BOLT M10 X 20
46	PLAN WASHER M8
47	HANDLE LIFT (A)
48	HEX BOLT M12 X 20
49	SPRING WASHER M8
50	WHEEL 4"
51	WHEEL KIT BRACKET
52	HEX BOLT M10 X 45
53	PLAN WASHER M10
54	SPRING WASHER M10
55	HEX BOLT M10 X 45
56	ROTOR FULLEY
57	ROTOR FULLEY

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