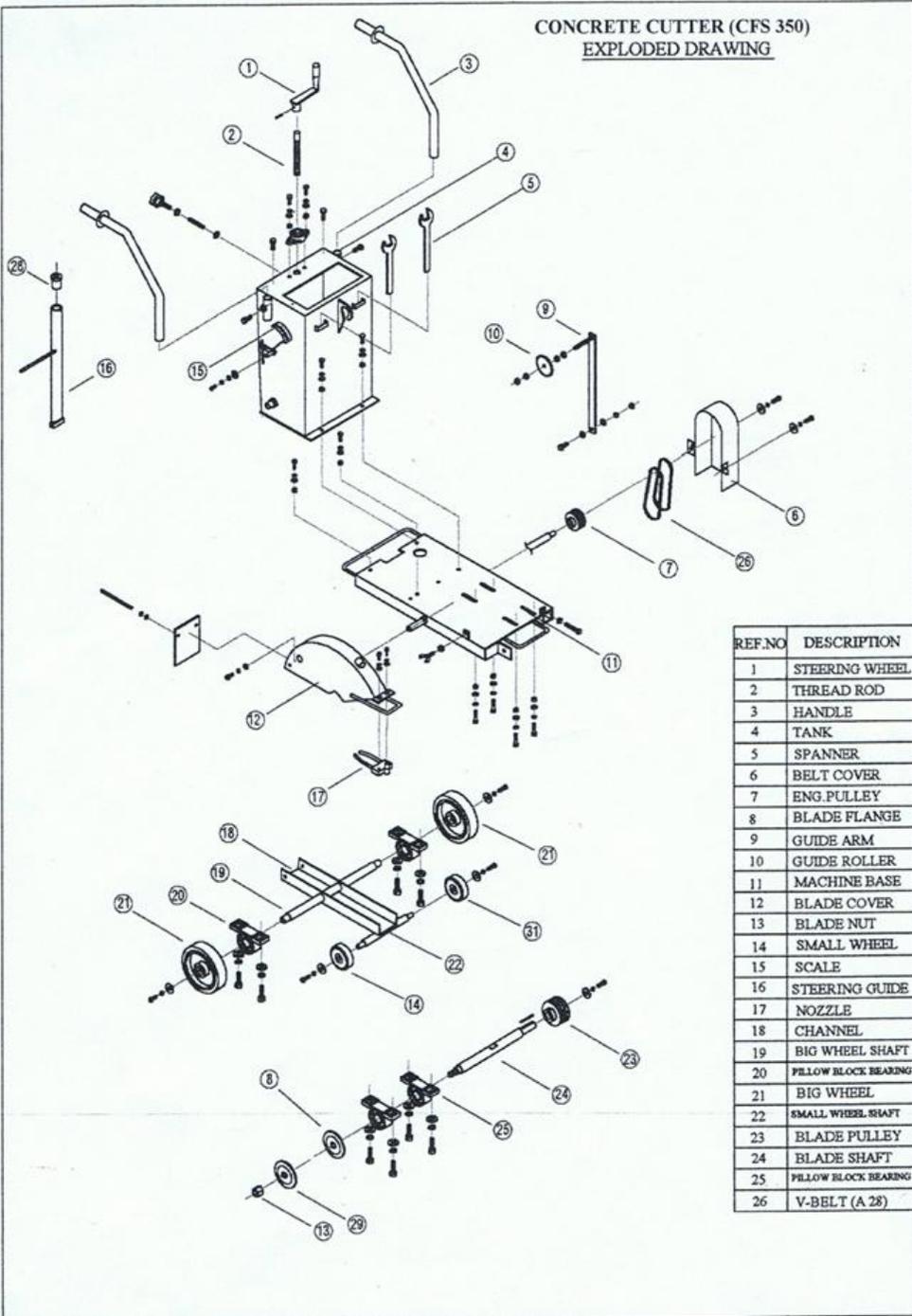


CONCRETE CUTTER (CFS 350)
EXPLODED DRAWING



REF.NO	DESCRIPTION
1	STEERING WHEEL
2	THREAD ROD
3	HANDLE
4	TANK
5	SPANNER
6	BELT COVER
7	ENG.PULLEY
8	BLADE FLANGE
9	GUIDE ARM
10	GUIDE ROLLER
11	MACHINE BASE
12	BLADE COVER
13	BLADE NUT
14	SMALL WHEEL
15	SCALE
16	STEERING GUIDE
17	NOZZLE
18	CHANNEL
19	BIG WHEEL SHAFT
20	PELLOW BLOCK BEARING
21	BIG WHEEL
22	SMALL WHEEL SHAFT
23	BLADE PULLEY
24	BLADE SHAFT
25	PELLOW BLOCK BEARING
26	V-BELT (A 28)

18/06/2013 (Rev.1)

LAKU- EXPLODED DRAWING-34

CROMMELINSTM MACHINERY

CROMMELINS CONCRETE FLOOR SAW MODEL – CFS350PHD

OPERATION & INSTRUCTION MANUAL

Thank you for your selection of a CROMMELINS concrete floor saw.

This Operation Manual explains its use, installation, checking and maintenance. CROMMELINS suggest that you retain this manual for ready reference regarding proper handling of CROMMELINS concrete floor saw.



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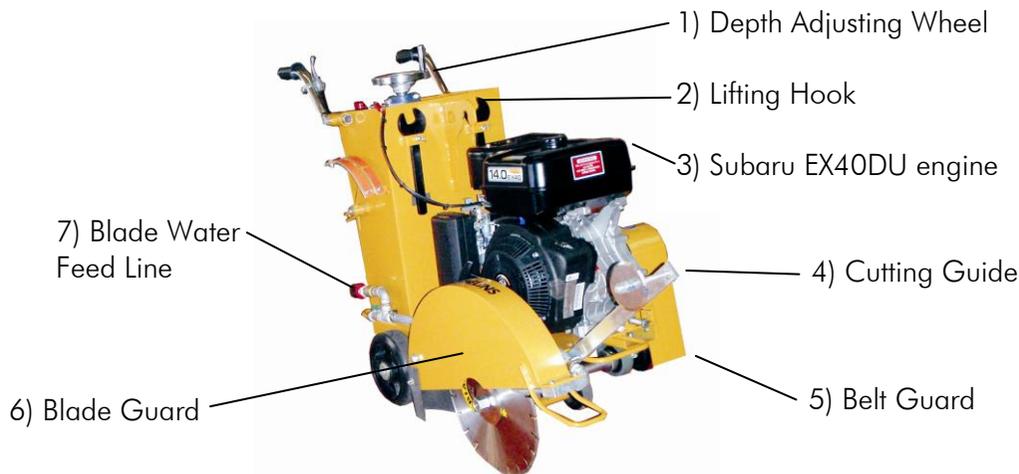
1. SAFETY PRECAUTION

This manual contains important information on how to use the Concrete Floor Saw CFS350PHD properly and safely. Please read through this manual before you attempt to operate the machine.

2. SPECIFICATIONS

MODEL	CFS350PHD
Dimensions L x W x H (mm)	1530x600x960mm
Blade Size	14"-16" (355mm – 410mm)
Max Blade Depth 14"	120mm
Max Blade Depth 16"	140mm
Water Tank Capacity (litre)	25L
Engine	14hp EX40DU
Engine Type	Air-cooled Gasoline
Max. Output (hp/rpm)	14.0/3600
Starting System	Recoil
Machine Weight (kg)	130

3. COMPONENTS



14. TROUBLESHOOTING

TROUBLE	POSSIBLE CAUSES	REMEDY
Engine won't start, or stops suddenly.	No fuel.	Supply the fuel.
	Engine Switch being set to "OFF".	Switch to "ON".
	Spark Plug being carbonized.	Clean the Spark Plug, or replace it with new one.
	Fuel Strainer being clogged.	Clean the Fuel Strainer.
	Carburettor being clogged.	Drain and clean the carburettor float bowl.
Engine runs, but the machine does not produce any vibration.	Air Cleaner Element clogged.	Dismantle the cleaner element, and clean the element with proper solvent. (see the engine manual)
	Lack of Engine Power.	Refer to the Engine Manual.
	Improper V-Belt Tension, or excessive wear or V-Belt.	Adjust the tension, or replace the belt with new one.
Slow or Irregular Vibration	Centrifugal Clutch is slipping.	Dismantle the clutch assembly, and clean the Shoe and Drum with proper solvent.
	Improper V-Belt tension, or excessive wear of V-Belt.	Adjust the V-Belt tension, or replace the belt with new one.

13. MAINTENANCE

When assembling, lubricating, or adjusting any part of the machine, make sure to stop the engine and disconnect the spark plug wire. Service the engine according to the engine manufacturer's specifications. Refer to the engine operation and maintenance manual.

Maintenance: Every 8 hours or daily

- Check for loose bolts and nuts, retighten if necessary.
- Check and clean the air filter element, re-lube the element according to engine manufacturer's recommendations. If operating conditions are usually dusty and severe, filter elements cleaning should be done more frequently.
- Check oil level in crankcase and replenish as necessary. Recommended engine oil is SAE-30.

Maintenance: Every 50 hours or weekly

- Check the belt tension by pressing the belts midway between pulleys. The belt should deflect by 10 to 15mm.
- How to adjust the belt tension:
Loosen the bolts, which fix the engine with the engine base. Adjust the belt tension by re-tensioning the belt adjuster bolts. Once proper belt tension is achieved, tighten the bolts.
- When the belt tension cannot be adjusted using the above method, the belt may have been stretched and worn out. Replace the V-Belt. Replace both simultaneously.

Maintenance: Every 450 – 500 hours

FUEL & LUBRICANT

FUEL	AUTOMOTIVE GASOLINE
ENGINE OIL	Motor Oil of proper viscosity for 4 stroke gasoline engine

ENGINE CAPACITY	Fuel Tank	Engine Oil	Spark Plug
EX40DU	6.8 Litres	1.2 Litre	NGK BR6HS

4. BEFORE STARTING

- Check the engine in accordance with operation manual for engine.
- Check fuel and engine oil.
- Check bolts and screws for tightness and make sure all bolts and screws are securely tightened. Loose bolts and screws may cause damage to the unit.

5. STARTING

- Open fuel cock.
- Set the throttle lever to the starting position.
- Close the choke lever of the carburettor (leave the choke lever half-open position during warming up the engine).
- Pull the recoil starter strongly.
- After the engine has started open the choke lever fully and warm up the engine for 2-3 minutes in the low speed position.

6. BLADE SETTING

- Caution always ensure engine switch "OFF" before commencing.
- Turn the handle for blade to lift the front of the machine.
- Loosen the wing bolt and lift up the blade cover.
- Set the blade in the correct rotation direction with arrow marked in the blade face to outward.
- Set the blade holding it between 2 blade supports and tighten hexagon nuts. (Right hand thread) firmly.
- After setting the blade lower the blade cover and tighten the wing bolt.

7. OPERATION

- After starting the engine, set the blade guide on the cutting line.
- Supply water in the tank with hose or bucket.
- Open the sprinkler cock and confirm quantity of cooling water for blade.
- Set the throttle lever to speed position and turn the handle for blade to lower the machine. Then the machine starts cutting.
- Lower the blade slowly until you reach the required cutting depth. Then lock the handle with turning stopper handle.
- The depth gauge indicates the correct cutting depth, but depending on the condition, there may be some variance.
- Holding the operation handle push the machine forward slowly for cutting.
- When stopping or finishing cutting operation, firstly lift up the blade from the ground.

8. STOPPING THE MACHINE

- Operate the machine 1-2 minutes with the throttle lever setting back to the low speed position.
- Turn the ignition switch to "OFF".
- Close the fuel cock.
- After the engine has cooled, it is highly recommended to wipe off the machine and inspect oil seals for any unusual leakage from the engine.
- It is also recommended that a cover be placed over the machine once cooled, to provide protection to the machine as well as the engine.

9. SAFETY

Ensure safe operation, this Concrete Cutter 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)
- 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 all the operation of controls.

10. CAUTION

- 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. Clamp fuel tank cap securely, and close fuel strainer cock tightly during transportation. Drain gasoline from fuel tank before transporting over a long distance or on rough roads.
- Stop engine without fail before replenishing fuel tank. Never replenish gasoline 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.

11. TRANSPORTATION

- Before transportation, confirm that the fuel shut-off valve is closed.
- Be sure to let the engine cool off before transportation.
- When loading and unloading the machine to and from the vehicle, lift the machine with extreme care. The machine is heavy, and must not be lifted single-handedly. Lift the machine by two people holding each pair of the handles. Do not attempt to lift the machine by grabbing the Operation Handle.
- Tie the machine firmly to the vehicle during the transportation.

12. STORAGE

- Make sure that the engine is completely cooled off before storage.
- Empty the water storage tank.
- Clean up oil and dust accumulation on rubber parts.
- Remove blade and clean the blade guard of any dust build up.
- Cover the machine and store it in a dry place.
- For long-term storage, remove fuel from the fuel tank. Also remove fuel remained 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.