

SPECIFICATIONS

MODEL	G20D-2/-4
DIMENSIONS	27"X10"X11
WEIGHT *	34 Lb. (main body)
	<i>*Note: Weight varies with configuration</i>
ENGINE	
TYPE	Air cooled, 2 stroke or 4 stroke
DISPLACEMENT	49 CC (2 cycle engine) 35 CC (4 cycle engine)
CARBURATION	Diaphragm W/primer and choke
AIR CLEANER	Washable
STARTER	Recoil
IGNITION	Electronic
FUEL TANK SIZE	1/3 U.S. Gallon
FUEL MIX RATIO	30:1 (2 cycle model)
	Reg. gas (4 cycle model)
FUEL TYPE	Regular
IMPACT RATE	1800 BPM
IMPACT FORCE	45 Ft-Lb
ENGINE CRANK OIL	SAE 30 (4 cycle model)
IMPACT SECTION	
LUBRICATION	Oil bath
LUBRICANT TYPE	30 Wt.-50 Wt. oil
LUBRICANT VOL	Less than 1.0 Oz.
LUBRICANT USE	0.5 OZ /8 hours

UNIT SERIAL NUMBER

SKIDRIL

P.O. BOX 8041
GREENSBORO, NC 27419
TEL: 800-843-3745

SKIDRIL

OPERATION & PARTS

GAS POST DRIVER G20D 2 AND 4 STROKE MODELS

ANY PERSON
OPERATING THIS
MACHINE SHOULD READ
AND
UNDERSTAND THIS
MANUAL FIRST!

FOLLOW ALL SAFETY
INSTRUCTIONS

CALL FOR A LOCAT BEFORE
YOU DRIVE!



VER 051816-1

1-800-843-3745

Parts list

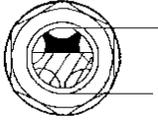
G95D	Handle assembly	1
G96D	Throttle assembly	1
G97	Cap nut	3
G98	Handle mount	1
G99	Screw	6
G100	Gear box	1
G101	Bolt M5 x 12	4
G102	Gasket	1
G103	Bearing	1
G104	Drive Pulley	1
G105	Center axle	1
G106	Pinion drive shaft	1
G107	Circlip	1
G108	Circlip	1
G109	Bearing	1
G110	Bearing plate	1
G111	Screw	4
G112	Large gear	1
G113	Bearing	1
G114	Clutch drum	1
G115	Bearing	1
G116	Crank shaft	1
G117	Needle bearing	1
G118	Thrust plate	1
G119	Hex screw	1
G120	Seal	1
G121	Oil tank	1
G122	Bolt	2
G123	Oil sight	1
G124	Connecting rod	1
G125	Compression piston	1
G126	Piston pin	1
G127	Double lip seal	1
G128	Hammer piston	1
G129	Cylinder	1
G130	Bolt	4
G131	Thrust washer	1
G132	Spacer	1
G133	Split ring	1
G134	Split ring sleeve	1
G135	Tool guide	1
G136	Compression ring	1
G137	O ring	1
G138	Collet	1
G139	Bolt	4
G140	Tool holder/latch	1
G141	Lock ring	1
G142	Roll pin	1
G143	Spring	1
G144	Lock ring	1
G145	Seal	1
G146	Gear case cover	1
G147	Screw	6
G148D	Throttle cable	1
G20-FA	Standard T-post anvil	1

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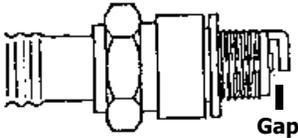
Maintenance cont.

M1: Impact Oil



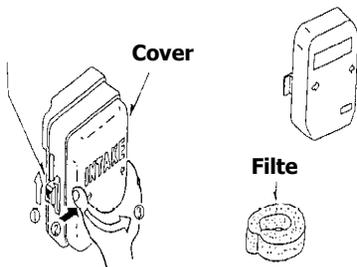
To Add Impact oil: Remove cap/window add at least a few drops of oil every day of operation (post driving time). Note: It is not necessary to fill the reservoir. Check for lubrication on the anvil periodically add oil if dry.

M2: Spark Plug Gap



To Check Plug Gap: First remove and clean carbon or dirt using a wire brush. Using a feeler gauge check and adjust the plug gap to .019-.027".

M3: Air Filter



To Check or Clean Air Filter: First remove the cleaner cover by above by pushing on the release tab while pulling or removing the center screw (if applicable). Wash filter in appropriate cleaner and reinstall.

Notice:

*Leaving oil in impact reservoir when stored for a long time (especially in the vertical position) may cause it to drip out (similar to chain saw chain lube), this does not indicate a problem with the tool.

Notice:

*Be sure to apply sufficient torque to the spark plug, to eliminate unwanted loosening.

Notice:

*Never operate the machine with a missing or damaged filter.

*Note your filter design may vary from this picture however cleaning procedures are the same.

Operation

PREPARATION FOR USE

1. IMPACT LUBRICANT:

- Remove site/fill cap (item 8, p4).
 - Keep G20D driver horizontal or flat while adding impact.
 - Use min 30 wt. oil.
 - Pour a few drops of oil and install sight/cap. Add oil every 4-6 hours
- **oil on the anvil shank is an indication of proper lubrication not a problem!*

2. FUEL MIX:

For 2 Cycle engine

- Mix 25-30 to 1 regular no-lead gasoline with 2 cycle engine oil.
- Fuel tank will hold approx. 1 quart.

4 Cycle engine (Honda or Skidril)

- Use regular gas no mix

2A. 4 CYCLE ENGINE OIL:

- Fill crank to lip of filler opening with machine in the vertical position

3. OPERATION:

Before operation perform daily inspection per maintenance section of this manual.

- a. Fill fuel tank (item 1, p4).
- b. Attach a drive cap and anvil for the required job (item 9, p4).

Notice:

* **Do not:** Use the wrong oil types!



* **Do not:** Fuel a hot machine!

* **Do not:** Smoke While Fueling!

* **Do not:** Operate the machine without protective/safety clothing and equipment!

* **Do not:** Use the machine without first contacting the Utilities for a 'Locate'!

* **Do not:** Use the machine without reading and understanding the manual!

* **Do not:** Change tool or accessory when engine is on!

Operation continued

d. *Start the engine by:

1. Close the choke lever (item 14, p4) by pushing it upwards.
2. Push the primer button (item 10, p4) 3-5 times.
3. Pull the starter grip while pulling to the throttle lever open (item 12, p4) fast position.
4. Quickly reduce the engine speed allowing the machine to idle.
5. Gradually open the choke lever, by pushing downwards as the engine warms up.

E. Stopping the engine:

-Press the stop button (item 15, p4) to kill the engine.

-If the kill switch malfunctions, you can stop the engine by squeezing the throttle lever and closing the choke. Or pull the spark plug wire off.

F. Operation:

1. By squeezing the throttle lever the machine speed and impact force is increased.
2. You need not apply down pressure on the machine during operation unless running full speed.
3. Choose a speed which makes it easiest to drive the post you are installing.

*See manual for your specific motor make supplied with the machine.



Warning:

*Discontinue use of the machine until repairs can be made!

Maintenance

1. DAILY INSPECTION:

- a. Look for loose or missing nuts, bolts or screws.
- b. Check the starter rope for wear and replace if required.
- c. inspect the anvil shank for cracks and discard if required.
- d. check the impact section lubricant level (item 9, p4)., see [sketch m1, p8.](#)
- e. check the air cleaner and clean if required, see [sketch m3, p8.](#)

2. PERIODIC MAINTENANCE:

Item	time (hrs)
Cleaning exterior	daily
Clean/adjust plug	50
Replace/refill impact oil	4
Inspect/replace clutch	300
Replace seals or wipers	300
Clean exhaust port	300
Clean Carburetor	300

3. Extended storage:

- a. Remove fuel from tank and burn excess in engine.
- b. Place a few drops of 2 cycle oil in engine through spark plug opening.
- c. Clean and keep dry.



Warning:

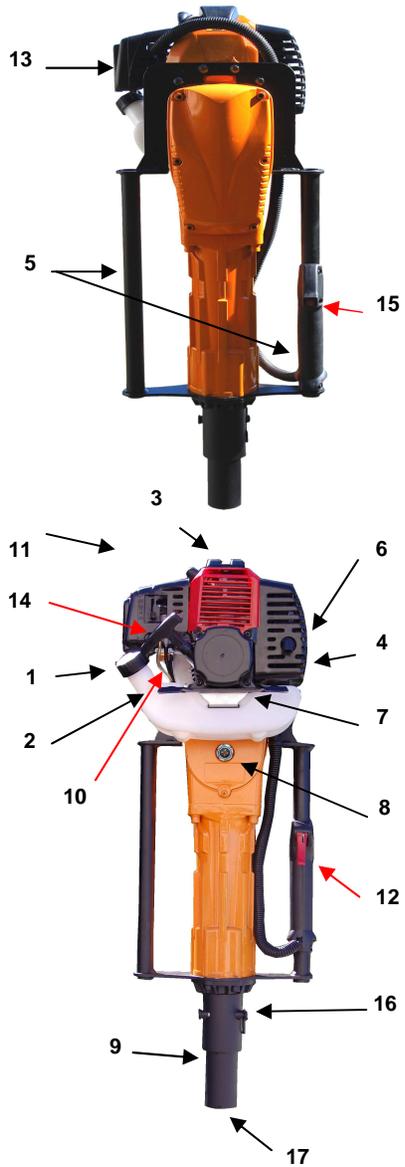
***Do not:** Operate a machine with missing, damaged or loose parts.

Notice:

*Failure to follow this schedule may result in damage to the machine, and could void the warranty.

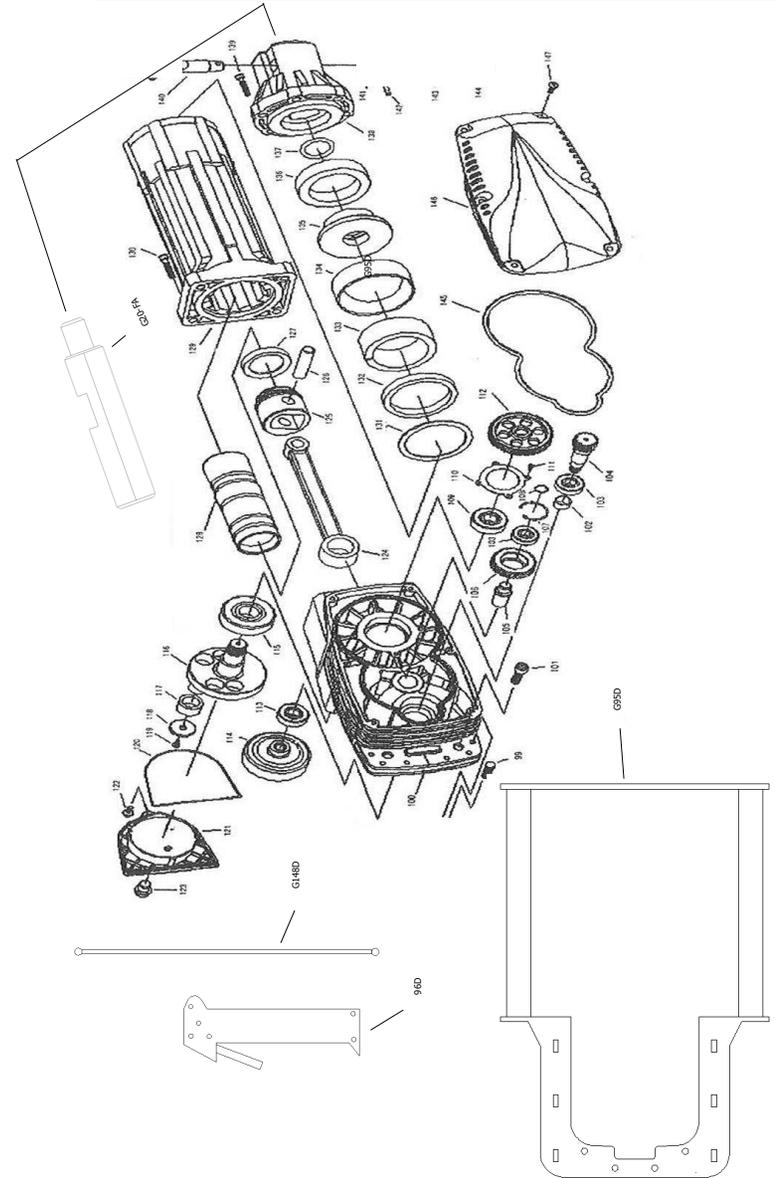
*Service beyond what is indicated here should not be performed by untrained persons, and could void the warranty.

Controls



Item	
01.	Fuel cap
02.	Fuel tank
03.	Spark plug
04.	Muffler cover
05.	Handle
06.	Exhaust pipe
07.	Guard
08.	Impact oil cap
09.	Drive cap
10.	Primer pump
11.	Choke lever
12.	Throttle
13.	Air cleaner
14.	Starter grip
15.	Stop switch
16.	Clevis Pin
17.	Anvil (inside)

Exploded view - body



SAFETY FIRST

READ, UNDERSTAND AND FOLLOW SAFETY GUIDELINES
AND SAFE WORK PRACTICES.



TAKE NOTE OF **WARNINGS** IN THIS MANUAL AS THEY IDENTIFY INSTRUCTIONS INTENDED TO PREVENT INJURY TO YOU OR OTHERS.

NOTICE: **NOTICES;** ARE INTENDED TO PREVENT DAMAGE TO THE MACHINE OR PROPERTY.

WARNING:



DO NOT: USE EQUIPMENT IN APPLICATIONS FOR WHICH IT IS NOT INTENDED.

DO NOT: USE IMPROPERLY TRAINED OR UNQUALIFIED PERSONNEL TO OPERATE THIS EQUIPMENT.

DO NOT: LEAVE MACHINE RUNNING UNATTENDED OR WHEN NOT IN USE.

DO NOT: REFUEL A HOT OR RUNNING ENGINE.

DO NOT: SPILL FUEL WHEN FUELING THE ENGINE.

DO NOT: SMOKE WHILE FUELING OR OPERATING THE MACHINE.

DO NOT: REFUEL NEAR AN OPEN FLAME OR SPARK.

DO NOT: OPERATE THE MACHINE WITHOUT PROPER SAFETY PROTECTION SUCH AS PROTECTIVE EYEWEAR, SAFETY BOOTS, EAR PROTECTION, HARD HAT, GLOVES ETC.

DO NOT: OPERATE THE MACHINE INDOORS OR IN AN AREA WHERE EXHAUST GASES MAY COLLECT., OR WHERE VENTILATION IS NOT ADEQUATE.

DO NOT: OPERATE THE MACHINE WITHOUT SOLID FOOTING OR WITH THE MACHINE ELEVATED ABOVE YOUR HEAD AND ALWAYS CALL FOR A LOCATE BEFORE.

DO NOT: STORE THE MACHINE IN A PLACE OR POSITION THAT IT MAY FALL , DROP OR SLIDE FROM WHEN NOT IN USE.

