# Specifications

| | |
|---|---|
| MODEL | G3XD |
| DIMENSIONS | 33" X 11.5" X 13 |
| WEIGHT * | 49.8 Lb. (driver only) |

*Note: Weight varies with configuration

| | |
|---|---|
| ENGINE | |
| TYPE | Air cooled 2 Stroke |
| DISPLACEMENT | 49.9 CC |
| CARBURATION | Diaphragm W/primer and choke |
| AIR CLEANER | Washable |
| STARTER | Recoil |
| IGNITION | Electronic |
| FUEL TANK SIZE | 1/3 U.S. Gallon |
| FUEL | 50:1 MIX |
| FUEL TYPE | 50:1 Fuel Mix |
| ROTATION SPEED | 6500 Rpm |
| ENGINE CRANK OIL | SAE 30 |
| IMPACT SECTION | |
| LUBRICATION | Oil bath |
| LUBRICANT TYPE | Mobil 10w30 |
| LUBRICANT VOL | 2.0 OZ |
| IMPACT RATE | 1100-1800 Bpm |
| IMPACT FORCE | 49.5 Ft-Lb |

## UNIT SERIAL NUMBER

_____

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

SKIDRIL

## OPERATION & PARTS MANUAL

# GAS POST DRIVER G3XD 2 STROKE

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

FOLLOW ALL SAFETY INSTRUCTIONS

CALL FOR A LOCATE BE-FORE YOU DRIVE!

VER 080519-1

1-800-843-3745

# Parts list

| No. | Description | Qty | No. | Description | Qty |
|---|---|---|---|---|---|
| 101 | Adapter 120mm | 1 | 139 | Circlip for hole | 1 |
| 102 | Ø8 Flat gasket | 8 | 140 | Bearing 6203 | 2 |
| 103 | Ø8 spring washer | 20 | 141 | Mid gear | 1 |
| 104 | M8X20 Hexagon screw | 4 | 142 | Mid axle | 1 |
| 105 | Impact hammer | 1 | 143 | Axis | 1 |
| 106 | M8X55 Hexagon screw | 6 | 144 | Spacer | 1 |
| 107 | Metal head | 1 | 145 | M6*25 Hex cylinder head spring pad assy | 6 |
| 109 | Punch hammer | 1 | 146 | Upper support plate | 1 |
| 110 | Switch block | 1 | 147 | Lifting yoke | 1 |
| 111 | Tubular handle | 1 | 150 | Gear box | 1 |
| 112 | Under support plate | 1 | 151 | M6*20 Hexagonal cylinder screw | 1 |
| 113 | M14 flange screw nut | 2 | 152 | Bearing 6205 | 1 |
| 115 | Big tendon seal | 1 | 153 | Eccentric shaft | 1 |
| 116 | O-ring ( 23.6*5) | 1 | 154 | Straight pin | 1 |
| 117 | Shank adapter | 1 | 155 | Connection rod | 1 |
| 118 | Gasket for cylinder(59*69-2) | 3 | 156 | Needle bearing 18/20 | 1 |
| 119 | Cover for broken ring | 1 | 157 | Clip board for connection rod | 1 |
| 120 | Broken ring | 1 | 158 | M8*16 Flange hexagon screw | 1 |
| 121 | Small tendon ring | 1 | 159 | ST4*12 tapping screw | 6 |
| 122 | M8X45 Hexagon socket head screw | 4 | 160 | Wick | 1 |
| 123 | Front placket | 1 | 161 | One-way valve | 1 |
| 124 | Cylinder | 1 | 162 | Inside cover for tank | 1 |
| 125 | Double lip ring | 1 | 163 | O-ring 2.65*75 | 1 |
| 126 | Piston | 1 | 165 | Outside cover for tank | 1 |
| 127 | Paper washer for front placket | 1 | 164 | T-type seal ring | 1 |
| 128 | Handle | 1 | 166 | leather collar for oil leveler | 1 |
| 129 | Damping spring | 4 | 167 | Oil leveler | 1 |
| 130 | Cover for spring | 4 | 168 | Bearing 6202 | 1 |
| 131 | Bearing 6204 | 1 | 170 | Clutch Drum for 4-stroke engine | 1 |
| 132 | Gland | 1 | 171 | Petrol engine | 1 |
| 133 | M5*12 sunk screw | 4 | 172 | Limitation washer | 1 |
| 134 | Big gear | 1 | 173 | Ø6 Flat gasket | 6 |
| 135 | Guard circle | 1 | 174 | 6*27 straight pin | 2 |
| 136 | Gear box cover | 1 | 175 | Aluminum spacer for 4-stroke engine | 1 |
| 137 | M5*18Hexagonal cylinder head spring pad assembly | 10 | 176 | M6*50 Hexagonal cylinder screw | 4 |
| 138 | Shaft ring 17 | 1 | 177 | Flat pad 6*12-2 | 4 |



# Contents


| | Page |
|---|---|
| **CONTROL IDENTIFICATION** | **4** |
| **OPERATION** | **5** |
| **DAILY MAINTENANCE** | **7** |
| **EXPLODED VIEW** | **9** |
| **PARTS LIST** | **10** |
| **MAINTENANCE GUIDE** | **11** |
| **SPECIFICATIONS** | **12** |

# Daily Maintenance

## M1: Impact oil

**To add impact oil:** First lay the machine on its back, per the photo above. Unscrew lube cover (cap) using the provided wrench and add Mobil 1 10w30 oil or equivalent.

Replace cover and tighten. Check and top up oil periodically.

***Notice:***

*Do not over tighten lube fill cap as threads can strip.

***Notice:***

*Be sure to check impact oil level daily!

## M2: Fueling

Only use quality 2 stroke fuel, pre-mixed if available. 50:1 mixture is ideal, though engine can run from 25:1-50:1 mixtures.

***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.

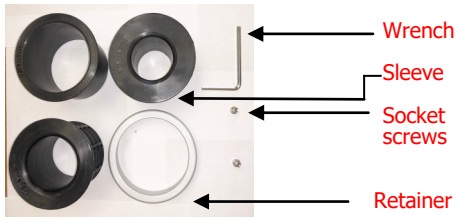
## M2: Air Filter

**To Check or Clean Air Filter:** First remove the cleaner cover, wash filter in appropriate cleaner such as dish soap and water dry completely and reinstall.



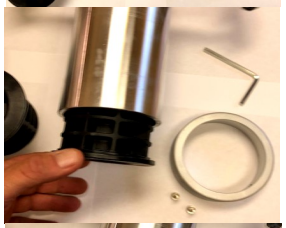
# Operation 1

**Insert selection:** Choose and install the correct sleeve for the post you are driving.




**1. Choose sleeve:** Motor should be not be on!

**2. Insert sleeve:** Push in flush with bottom lip.



**3. Install retainer:** Align screw holes in retainer with holes on either side of driver bottom.

**4. Install 2 socket screws:** Hand thread socket screws first to prevent stripping of threads.

Tighten screws with provided wrench.

***Notice:***

* **Do:** Use the wrong oil or lube-types!

⚠ ***Warning:***

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

# Operation 2

**Prep for use**

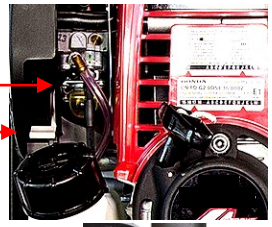
**1. Impact oil:** Check impact oil level, with the machine on its back. Add if required use Mobil 1 10w30 or equivalent.

See detailed instructions in Daily Maintenance section #M1 Pg. 8.

***Oil on top of post is an indication of proper lubrication not a problem!*

**2. Fuel:** Remove fuel cap. Using a 50:1 fuel mix fill tank to below lip and replace fuel cap.

**Starting motor**



**3. Primer button:** Press primer bulb upwards 4-5 times.

**4. Choke:** Slide choke lever up.

**5. Stop switch:** Slide stop switch down to the run Position.

**6. Pull starter:** allow motor to idle, as it warms gradually open choke by sliding downwards.

***Notice:***

* **Do not:** Use the wrong oil or lube-types!

⚠ ***Warning:***

***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!

***Do not:** Do not operate this driver without safe footing!



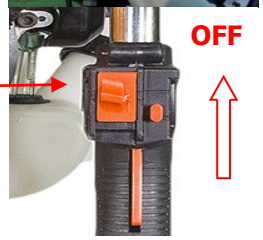
# Operation 3

**1. Insert post:** Motor should be idling.

**2. Level post:** Push driver vertical.

**3. Drive post:** Squeeze throttle and begin driving. You do not need to pull down on the driver.

Full speed will not always drive post faster.




**4. Stopping driver:** Slide stop switch up to kill motor.

**4. Storing driver:** Remove all fuel from the tank and run the motor dry.

⚠ ***Warning:***

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

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

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

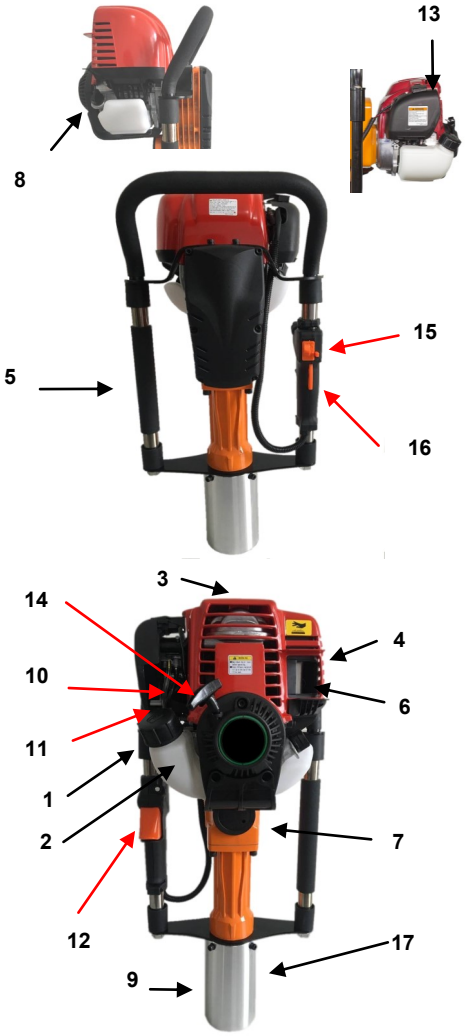
***Do not:** Use the machine without first contacting the Utilities for a 'Locate'!

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

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

***Do not:** Do not operate this driver without safe footing!

# Controls

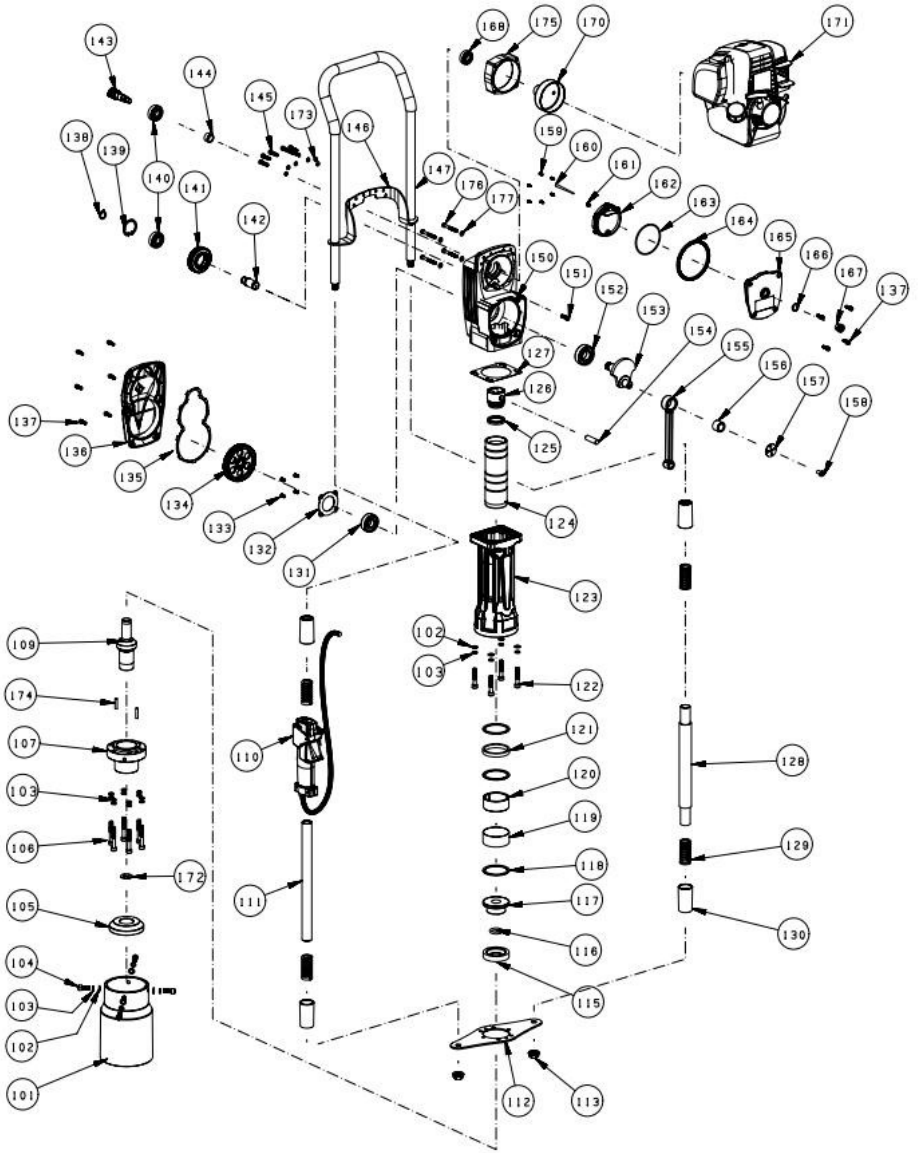



## Item

01. Fuel cap
02. Fuel tank
03. Spark plug
04. Muffler cover
05. Handle
06. Exhaust pipe
07. Impact lube cap
08. Engine oil fill
09. Post cover
10. Primer pump
11. Choke lever
12. Throttle
13. Air cleaner
14. Starter grip
15. Stop switch
16. Safety trigger
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.



# Maintenance Guidlines

| | | | |
|---|---|---|---|
| Gear case | Clean/ Replace used lube or add | Check 3 months | Replace 12 months |
| Cylinder/ Impact oil | Top up | Top up once minimum daily | |
| Air filter | Clean | Inspect daily clean if re-quired | |