NEW BEUTHLING

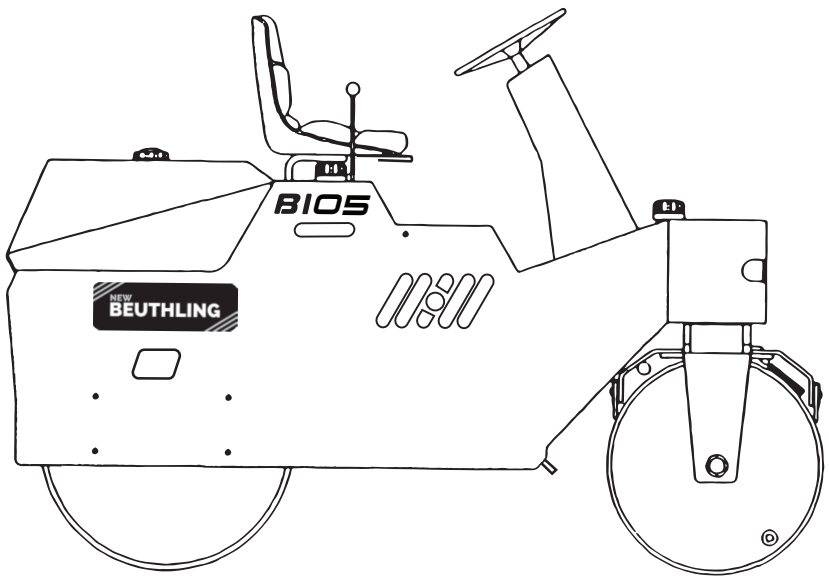
OWNER'S & PARTS MANUAL

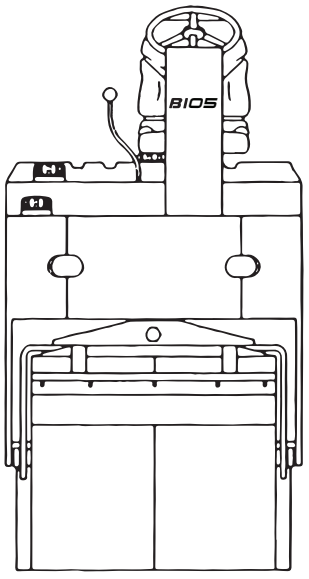
B105

STATIC

RIDE-ON STATIC COMPACTOR - 1 1/2 TON
GASOLINE & DIESEL ENGINES

SERIAL NUMBER 105-NB25-0001 & UP





WARNING! READ THIS MANUAL AND AEM AEM ROLLER COMPACTOR SAFETY MANUAL BEFORE OPERATING OR SERVICING YOUR MODEL B105.

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NOTE:

FOR ALL INQUIRES PLEASE INDICATE:

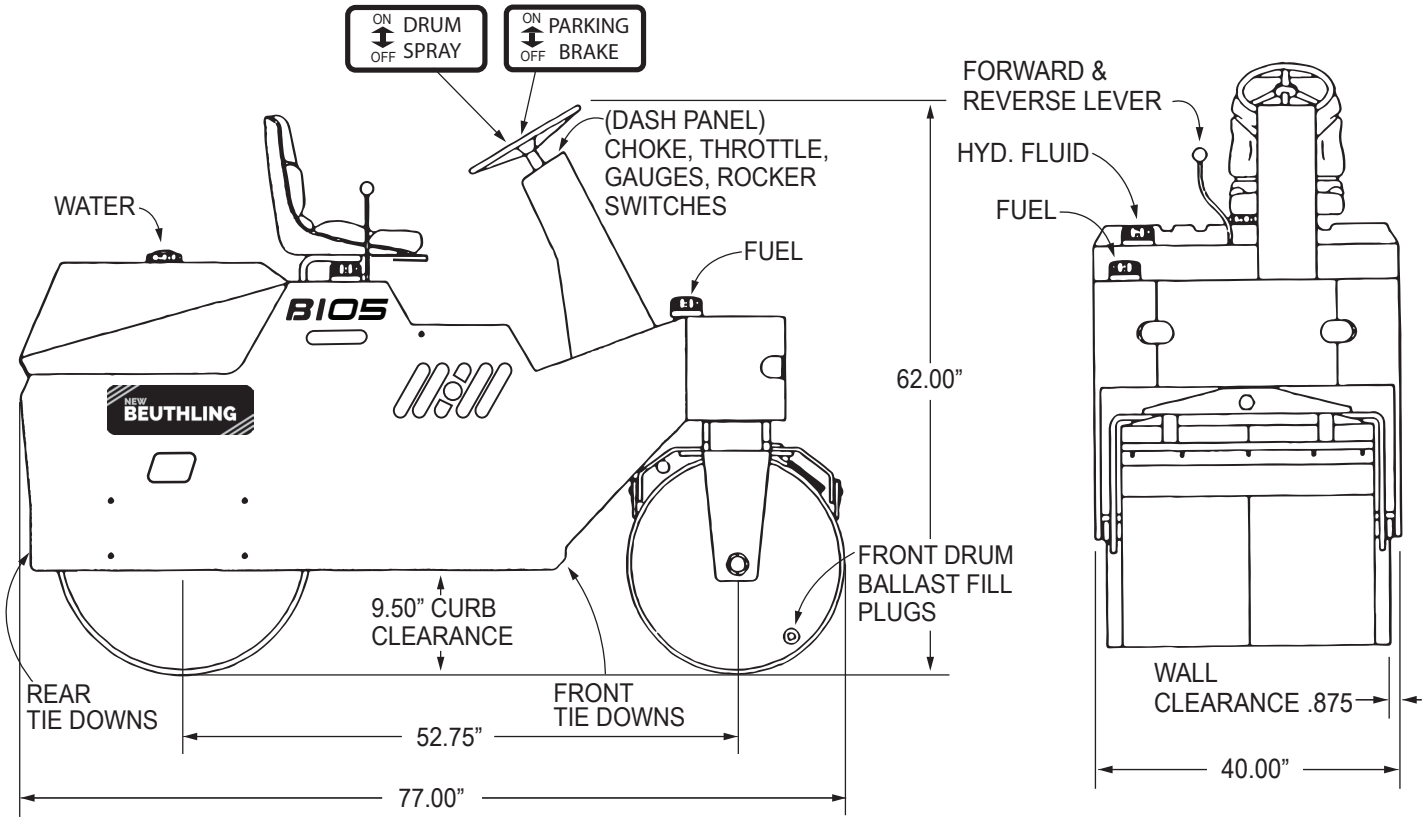
NEW BEUTHLING MODEL _____

NEW BEUTHLING SERIAL NUMBER _____

ENGINE MAKE & MODEL _____

ENGINE SPEC NUMBER _____

MODEL & SERIAL NUMBER PLATE IS LOCATED ON FRONT MAIN FRAME



⚠ SAFETY WARNING ⚠

- **BEFORE OPERATING UNIT, READ AND UNDERSTAND "OWNER'S MANUAL."**
- **IT IS THE CUSTOMER'S RESPONSIBILITY TO SUPERVISE, TRAIN AND EDUCATE THEIR EMPLOYEES OR ANY OTHER USER OF THIS EQUIPMENT FOR PROPER OPERATION, MAINTENANCE AND SAFETY.**
- **KEEP HANDS AND FEET CLEAR WHEN UNIT IS RUNNING OR MOVING.**

OPERATING OR PARKING THIS UNIT ON <u>INCLINES, HILLS, RAMPS</u> OR NEAR THE <u>EDGE</u> OF A WORK SURFACE MAY BE DANGEROUS AND CAUSE THIS UNIT TO BECOME UNSTABLE OR <u>ROLLOVER</u>.

ALWAYS BE IN CONTROL OF YOUR UNIT

FAILURE TO OBEY SAFETY WARNINGS MAY RESULT IN SERIOUS INJURY TO OPERATOR OR OTHERS.

OPERATION

⚠ *WARNING:*

Read this manual and the AEM "Roller – Compactor Safety Manual", supplied with the machine BEFORE starting, operating, or servicing the machine.

Before starting engine make certain control lever is in "NEUTRAL" (center) position. The transmission MUST be in the "NEUTRAL" position for the engine to be started. A neutral start switch has been included within the electrical system. The brake rocker switch is located on the console dash panel and is **"ON"** (or brake applied) when rocker switch is in **UP** position and **"OFF"** when rocker switch is in **DOWN** position. When brake rocker switch is **"ON"**, red indicator light is **LIT** and **ALARM** buzzer is **SOUNDING** (IF EQUIPPED).

⚠ *WARNING:*

The machine MUST NOT move, and ANY time, when the secondary/parking brake rocker switch is in the "ON" (up) position.

DO NOT operate the machine, if the machine will MOVE when the secondary/parking brake rocker switch in "ON".

NEVER drive the machine with the secondary/parking brake rocker switch "ON".

When starting, if so equipped, and not previously done, unlock the locks securing the floor and dash covers. Move the dash cover to the stowed position.

Continued next page

If so equipped with ROPS, IMMEDIATELY, after being seated, place the seat belt across the lap and SECURELY insert the metal end into the belt buckle. TIGHTEN the belt, AGAINST the body, by pulling on the loose end of the belt.

Move the engine speed throttle control to the LOW (down) engine idle speed position. Pull the engine choke knob to the "choke" (up) position, if the engine is cold.

Turn the ignition switch key to the START position. Crank and start the engine. If used, push the choke knob "in" as the engine warms. Put the engine throttle speed (RPM) control in the desired engine speed position and turn the throttle control handle clockwise to "lock" in position.

CAUTION:

If the engine does NOT start within ten (10) seconds of continuous cranking, turn the ignition key switch to the "OFF" position and wait at least thirty (30) seconds. This will allow the starter motor time to cool. Try starting the engine again. Do NOT increase the speed of the engine ABOVE the LOW rpm for a period of one (1) minute, to allow the hydraulic oil to reach operating temperature.

WARNING:

Do NOT put the engine throttle speed (RPM) handle in the "FULL" engine speed position when the machine is being run in a confined area, or is near ANY object.

Check operation of ALL gauges and instruments. Check the operation of ALL other optional equipment, such as rotating beacon and work lights, if so equipped. The machine is put into motion by moving the control lever in the direction of the travel desired. PUSHING the lever in the FORWARD direction will select a FORWARD direction of machine travel. PULLING the lever in the BACKWARD direction will select the REVERSE direction of the machine travel. If so equipped, note that the back up alarm system sounded when the control lever moved within the REVERSE position. The machine travel speed is proportional to the amount of the control lever movement, UNTIL full lever travel has been reached, in EITHER direction. The control lever should be moved slowly from one direction through neutral to the opposite direction. The procedure utilizes the hydraulic system's DYNAMIC BRAKING capability to bring the machine's weight to a complete stop, at neutral, before going in the opposite direction. This procedure allows the transmission system and engine to slow the machine to a stop.

If it is noticed that the engine power decreases when the control lever is fully advanced during a heavy pull, move the control lever back to increase power and decrease "engine lugging".

WARNING:

Slowing or stopping of machine during LEVEL surface operation is done by moving the directional/speed control lever TOWARD, and then TO the NEUTRAL position. Slow, or stop, the machine on a SLOPE, by moving the directional/speed control lever to the direction OPPOSITE the direction of machine travel.

If the machine speed can NOT be controlled through the use of dynamic braking, use dynamic braking AND the secondary/parking brake system to slow, and then stop the machine.

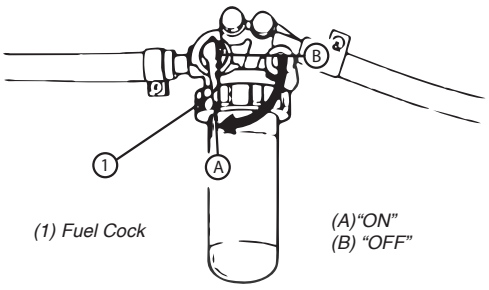
The secondary/parking brake system MUST be used to hold the machine in a "stopped" condition at ALL times. The transmission system will NOT hold the machine in a "stopped" condition.

STARTING DIESEL ENGINE

IMPORTANT:

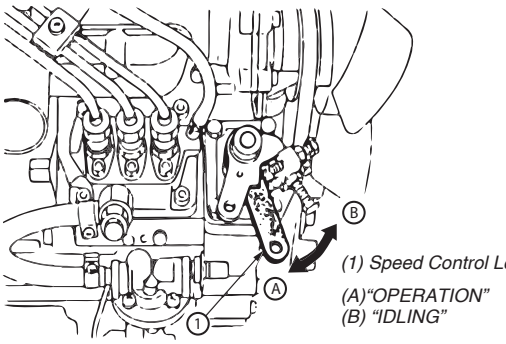
- **Do not use ether or any starting fluid for starting the engine, or severe damage will occur.**
- **When starting the engine after a long storage (of more than 3 months), first set the stop lever to the "STOP" position and then activate the starter for about 10 seconds to allow oil to reach every engine part.**

1. Set the fuel cock to "ON" (on engine).

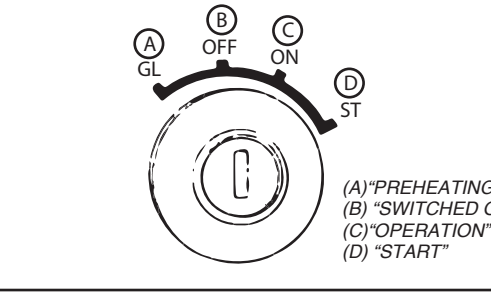


2. Move directional/speed control lever to "Neutral" position.

3. Set the throttle handle at more than half "OPERATION".



4. Insert the Ignition key into the key switch and turn it "ON".



5. Turn the Ignition Key to the "PREHEATING" position to allow the glow lamp timer indicator to illuminate.

COLD WEATHER STARTING DIESEL

If the ambient temperature is below -5˚C (23˚F) and the engine is very cold, start it in the following manner:
Take steps (1) through (4) left.

Turn the Ignition Key to the "PRE-HEAT" position and keep it there for a certain period mentioned below.

IMPORTANT:

- **Shown below are the standard preheating times for various temperatures. This operation, however, is not required, when the engine is warmed up.**

Temperature	Preheating Time
Over 10°C(50°F)	About 6 sec.
Below -5°C(23°F)	About 10 to 15 sec.

NOTE:

(with lamp timer in use)

- **The glow lamp goes out in about 6 seconds when the lamp timer is up. Refer to this for pre-heating. Even with the glow lamp off, the glow plug can be pre-heated by turning the Ignition Key switch to the "PREHEATING" position.**

6. **Turn the Ignition Key to the "START" position and the engine should start. Release the Ignition Key immediately when the engine starts.**
7. **Check to see that the oil pressure gauge and battery gauge are indicating properly, if not immediately stop the engine, and determine the cause.**

(See "CHECKS DURING OPERATION" in "Operating the Engine" Section of Kubota Operators Manual.)

NOTE:

- **If the oil pressure drops below normal immediately stop the engine and check;**
  - **If there is enough engine oil.**
  - **If the engine oil has dirt in it.**
  - **If the wiring is faulty.**
- **If the engine does not catch or start at 10 seconds after the Ignition Key is set at "START", wait for another 30 seconds and then begin the engine starting sequence again. Do not allow the started motor to run continuously for more than 20 seconds.**

8. **Warm up the engine at medium speed without load.**

IMPORTANT:

- **Do not allow the starter motor to run continuously for more than 20 seconds.**
- **Be sure to warm up the engine not only in winter, but also in warmer seasons. An insufficiently warmed-up engine can shorten its service life.**
- **When there is fear of temperature dropping below -15'C (5'F) detach the battery from the machine, and keep it indoors in a safe area, to be reinstalled just before next operation.**

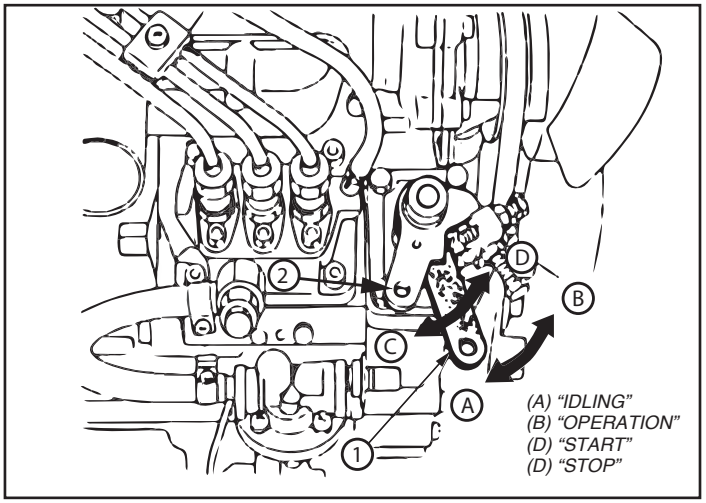
STOPPING DIESEL ENGINE

1. Move directional/speed control lever to **neutral position.**
2. Set engine **throttle hand** to **idle** position, (Down)
3. Set **parking brake switch** to **ON** position.
4. Turn **ignition key** counterclockwise to **off** position and remove from switch. Spring actuated brakes **will not** be applied with ignition switch on.

EMERGENCY SHUTDOWN PROCEDURE:
(Diesel Engine)

1. Move directional/speed control lever to **neutral position.**
2. Turn **ignition key** counterclockwise to **Off Position** and remove from switch. Parking Brake is spring actuated when engine is stopped and Ignition Switch is turned off.

See Kubota Engine Owners Manual for additional details on engine operation.



(1)"Speed Control Lever"
(2) "Engine Stop Lever"

DYNAMIC BRAKING
Hydrostatic drive motor in rear drum provides hydraulic dynamic braking when the directional/speed control lever is moved to neutral.

SECONDARY / PARKING BRAKE:
Failsafe, mechanical disc brakes in the hydrostatic drive motor are spring actuated when engine is stopped. Brake is hydraulically released when engine is started. Manual parking brake switch on console controls solenoid hydraulic valve which actuates, and releases secondary/parking brake when engine is running. Manual switch in **"OFF"** position releases brakes, and in **"ON"** position actuates brakes.

WARNING:
Do Not try to move machine with secondary parking brake engaged. Backup pressure of hydraulic system with low engine RPM's may have adverse affects on engine and hydraulic system if this happens.

DRUM SPRAY SYSTEM
The pressurized drum spray system will help keep both drums clean when compacting asphalt. Fill the water tank with clean water. Located by the seat is the spray valve. Open valve, by moving the valve handle, until the desired flow rate is obtained. Put the drum spray system control switch in the "ON" position (located on dash). NEVER run the system dry.

A full width cocoa mat is located on each drum and is used in combination with the drum spray system to help keep the drum surface wet and clean.

DRUM SCRAPERS
Both the front and rear drums are equipped with full width, adjustable rubber scrapers which are mounted ahead of, and behind each drum. These scrapers are designed to help keep large pieces of material from clinging to the drums when traveling in either direction. The scrapers must remain adjusted against the surface of the drums at all times.

DRUM BALLAST
This machine is designed for use with or without liquid ballast in the front drums only.
If water ballast is used in temperatures below freezing, use 30% alcohol in water. If fuel oil is used, allow 10% for expansion. A pipe plug is located in each front roller for filling and draining purposes, be sure to fill or drain both front drums.

MACHINE TRANSPORT
When the machine is being moved by truck or trailer, use SOLID wood blocking. Use SOLID wood blocks in front, and at the rear, on EACH side of EACH drum. Four (4) tie-down areas are provided and are to be used, with the blocking, to secure the machine to the truck or trailer bed when transporting the machine. Secure all fill caps and covers before transporting.

MAINTENANCE

WARNING:
DO NOT operate machine if any part is not in proper operating condition or is missing. Always remove key from switch when performing maintenance (engine off), leaving equipment unattended or when equipment is not in use.

ENGINE (GASOLINE)
Daily check the engine lubrication oil level in the crankcase. The engine lubrication oil MUST be kept at a level ABOVE the "ADD" mark but NOT ABOVE the "FULL" mark on the engine lubrication oil dipstick. A low oil warning indicator "Red" light is located on dash. Check engine oil when lit. Check the engine inlet air cleaner condition and remove and replace as needed.

CAUTION:
See the "Engine Operation and Maintenance Instruction Manual", published by the Honda or Kubota Engines for approved, correct engine component inspection and maintenance periods and /or procedures.

HYDRAULIC SYSTEM
After a new machine has run FIVE (5) hours, the oil filter should be changed. This is to rid the system of any trapped contamination from factory assembly. ANYTIME the filter has been changed, IDLE engine for three (3) minutes with control lever in neutral. At the end of this running period SLOWLY engage forward to reverse. This allows fluid to replace the air in the pump area introduced into the system with the filter change. IF THIS PROCEDURE IS NOT FOLLOWED partial or complete failure of the pump will result.
Check hydraulic fluid daily, change fluid and filters every 250 hours or yearly, sooner if conditions warrant, i.e. extreme dust or condensation. The B155 is equipped with a 8 quart oil reservoir – when changing or adding fluid, use AW ISO 32 Fluid or Equivalent. To prevent any foreign matter from entering the tank, extreme care should always be used when removing fill cap. Fluid is at proper level when seen at the "middle" of the screen in the fill neck. Never fill reservoir to overflowing.

DIRECTIONAL CONTROL LEVER
Lubricate the directional control lever and cable assembly exposed, and pivoting part areas, with EP-2 chassis grease. NO zerk fitting is found on the directional control level and/or cable assembly. Inspect the mechanical condition of the control lever and cable assembly. It must NOT be loose, damaged, or bind within the lever, or cable. Repair, or replace, the direction control lever and/or cable assembly if any damage is noted.

FRONT DRUMS
Several times per year, lift the front drums and check for any side movement (end play) of the drums, through the tapered roller bearings. If needed, adjust the movement by loosening the two (2) set screws found on each end of the front axle and tightening the Axle bots (having grease zerks) to obtain correct end play. Retighten the set screws.

DRUM SCRAPERS/COCOA MATS
Check the condition and adjustment of all four (4) rubber scrapers, if worn beyond adjustment replace with new. NOTE: Rubber scrapers can be removed and flipped to opposite side to extend life. Check and replace both cocoa mats when worn or damaged. Never allow steel pans to come in contact with drum. Front and rear cocoa mats pans are designed to pivot away from drums when not in use.

BEARINGS
Lubricate each of the four (4) front axle bearings through the one (1) zerk fitting found at the left, and (1) zerk on the right end of the front axle shaft with EP-2 chassis grease. Use enough grease through zerk fitting to purge old grease on inner bearings. All bolts, drive coupling set screws and collar set screws of bearings, should be checked during each periodical maintenance check and lubrication activity.

See lubrication chart in this manual and under center floor cover for complete bearing lubrication.

DRUM SPRAY SYSTEM

The water should be drained from the system when freezing temperatures are expected. Remove drain plug Item (13) to drain tank. Remove Hoses Items (9) and (24) to drain pump and valves. See Drum Spray System Diagram page 13.

ELECTRICAL SYSTEM

This system is 12-volt, during engine and other system maintenance inspections, check the electrical wiring for correct routing and support. Inspect the wires for loose terminal connections, cracks or wear in the wiring insulation and for corrosion.

WARNING:

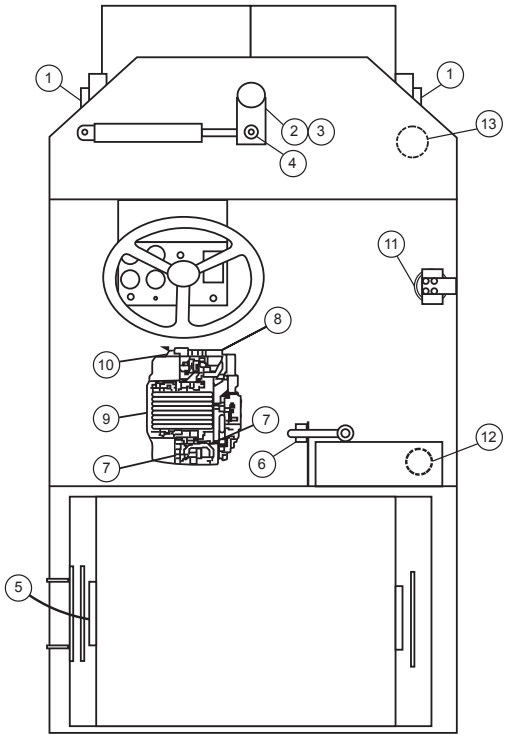
BATTERY EXPLOSION CAN OCCUR IF A BATTERY IS SHORTED. ALWAYS disconnect BOTH the positive (+) AND the negative (-) battery cables from a battery, BEFORE ANY repair procedures are done to the electrical wiring or components. DO NOT weld on machine unless battery is disconnected and removed.

A thirty (30) amp circuit breaker has been installed in the electrical circuit. It is located under the dash. If a circuit overload occurs, the circuit breaker will reset automatically every ten (10) seconds, or until the cause of the overload has been located and corrected.

Gasoline units have three functions monitored by gauges on the dash panel. These functions are: VOLTMETER, HOURMETER and FUEL GAUGE. Diesel units have five functions monitored by gauges on the dash panel. These functions are: ENGINE OIL PRESSURE, ENGINE WATER TEMPERATURE, VOLTMETER, HOURMETER and FUEL GAUGE.

For indicator light functions refer to Operation, pages 1-4. NEVER attempt to disconnect the hourmeter. Engine and machine operating hours are essential for proper machine maintenance.

LUBRICATION CHART



MODEL B105

Ref No.	Lubrication Point	DAILY	WEEKLY	MONTHLY	250 HOURS	Types of Lubricant	Lub. Fitting
1	Front Axle Bearings		•			EP-2 Chassis Lub.	Yes (2)
2	Front Pivot Tube		•				Yes
3	Oscillating King Pin		•				Yes
4	Steering Cylinder Rod End		•				Yes
5	Rear Drum Bearing			•			Yes
6	Control Lever		•				No
7	Engine Crankcase/Dipstick	✓				See Engine Manual	No
8	Engine Oil Filter				•		No
9	Engine Air Cleaner	✓			•		No
10	Fuel Filter				•		No
11	Hydraulic Oil Filter				•	Replace Filter Element	No
12	Hydraulic Oil Reservoir	✓			•	Sunco AW ISO 32 or Equivalent 12 U.S. qts.	No
13	Fuel Tank	✓				3 U.S. Gal.	No

✓ Check ● Lub. or Change
See Owner's Manual For Further Details

DECALS, OPERATION & MAINTENANCE

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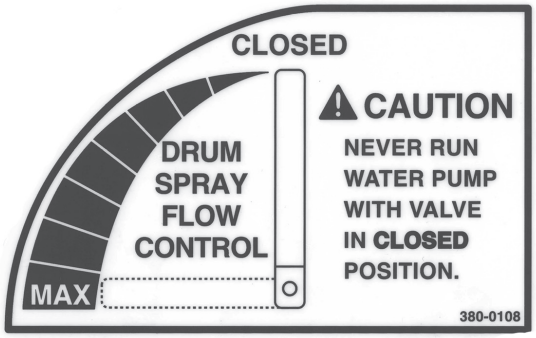

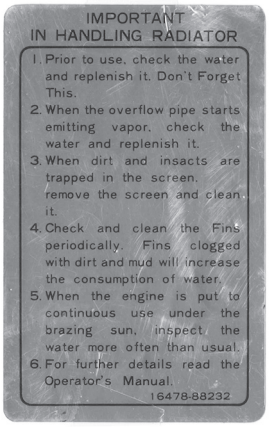

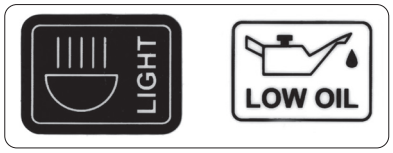

FILTER CHART

Honda GX 630
Gasoline Engine

Oil Filter	200-0400
Fuel Filter	200-0402
Air Filter Element	200-0401
Hyd. Oil Filter	130-0002

FILTER CHART

Kubota Z602
Diesel Engine

Oil Filter	205-0010
Fuel Filter	205-0011
Air Filter Element	205-0246
Hyd. Oil Filter	130-0002

DECALS, OPERATION & MAINTENANCE

⚠ CAUTION ⚠

DO NOT PUSH OR PULL UNIT.
MAY CAUSE DAMAGE TO
HYDRAULIC SYSTEM.

TO START CONTROL, LEVER
MUST BE IN NEUTRAL.

⚠CAUTION | **ROTATING PARTS**

⚠WARNING | **HOT AREA** ⬇

NO STEP

RECOMMENDED HYDRAULIC FLUIDS

- USE H.D. ISO-32 HYD. FLUID OR EQUIVILENT
- FILL TO MIDDLE OF SCREEN ONLY
- CHECK HYDRAULIC FLUID DAILY
- CHANGE FLUID & FILTER EVERY 250 HRS. (SOONER IF CONDITIONS WARRANT)

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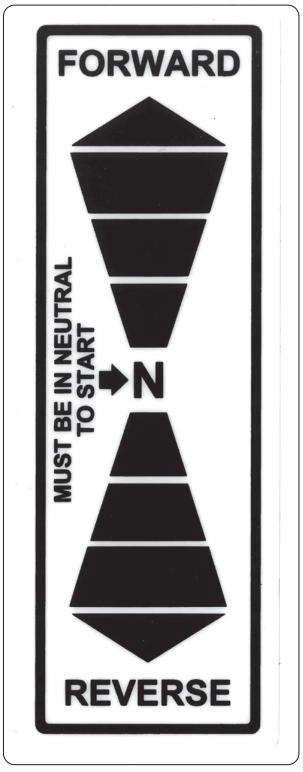

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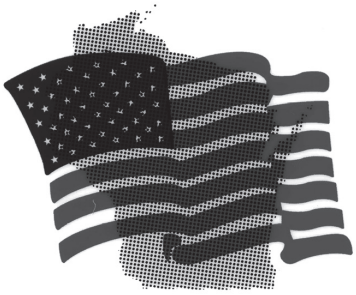
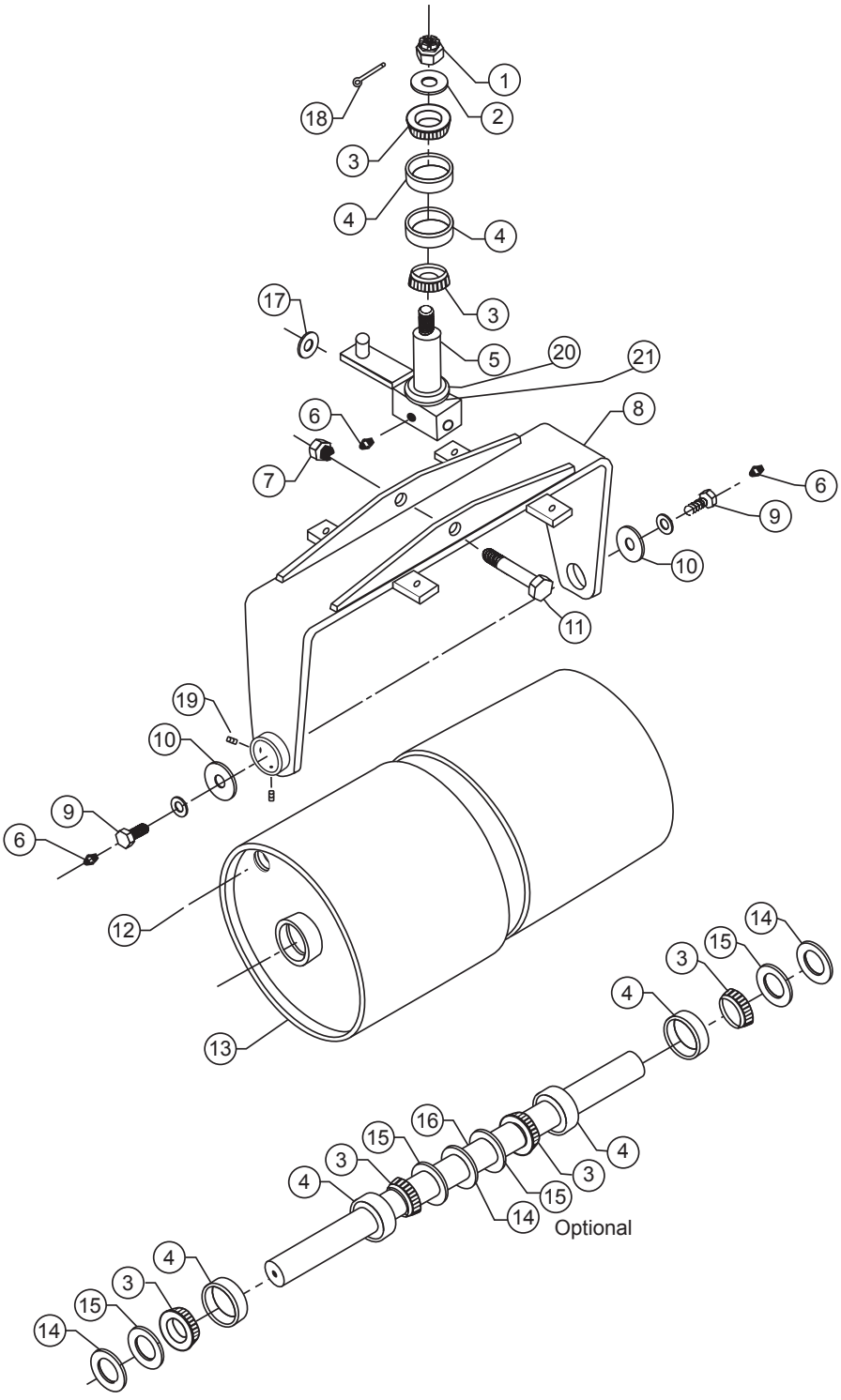


AMERY, WISCONSIN

FRONT END ASSEMBLY

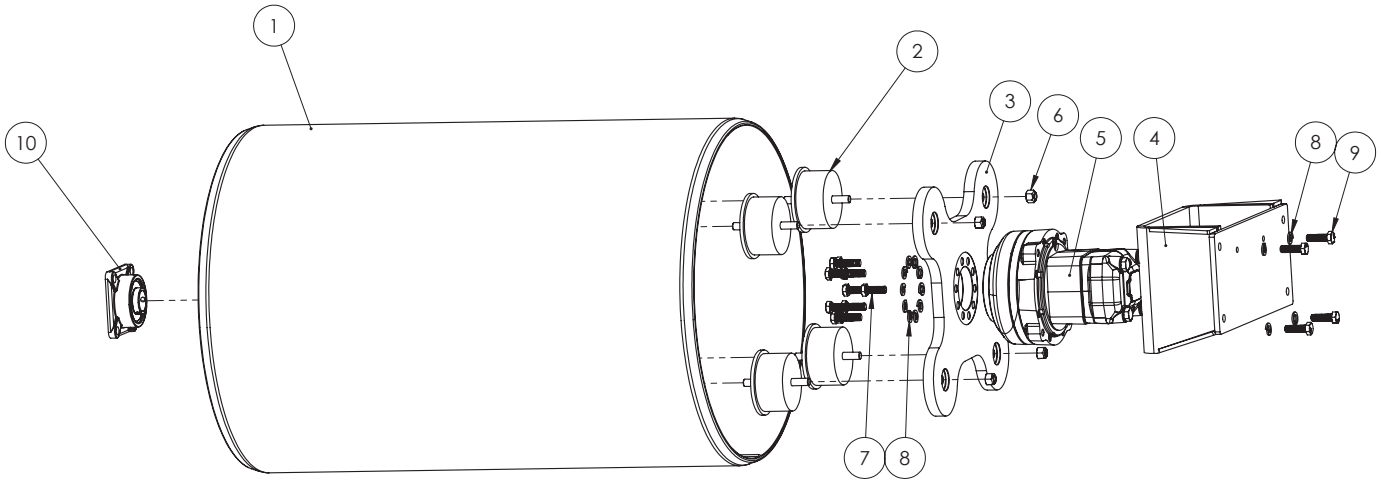


FRONT END ASSEMBLY

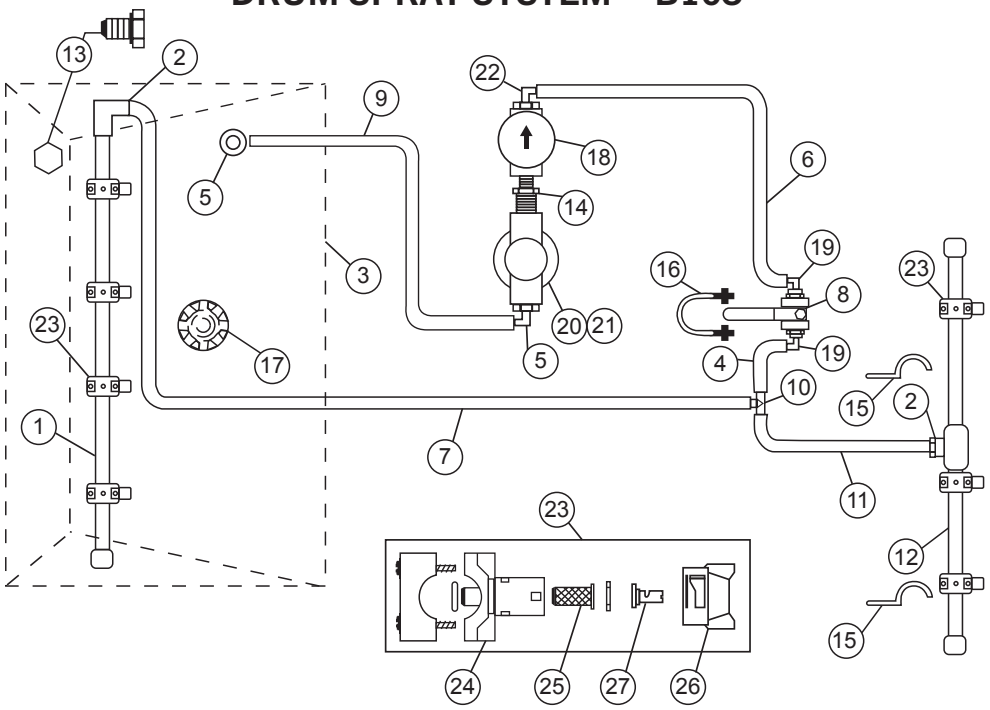
Item No.	Part No.	Description	Qty.
1	609-0076	Hex Slotted Nut	1
2	000-1043	Washer – King Pin	1
3	300-0001	Bearing Cone	6
4	300-0002	Bearing Cup	6
5	000-2121	King Pin (complete with 000-2014 and 000-2015)	1
6	370-0001	Grease Fitting ¼ - 28 NF	3
7	607-0012	Lock Nut 1" - 8 NC	1
8	000-1325	Yoke	1
9	000-1753	Front Axle bolt w/ Lock Washer & Grease Fitting	2
10	000-1107	Washer - Front Axle	2
11	000-1222	King Pin Bolt	1
12	526-0010	1 ½" Countersunk Ballast Fill Plug	2
13	000-1323	Front Drum Half (sold in pairs)	1
14	000-3057	Front Axle Bearing Spacer Set (1) .060 (1) .030 (1) .109	As Required
15	000-1058	Front Axle Grease Seal Inner & Outer	4
16	000-1057	Front Axle	1
17	000-1292	King Pin Bolt Spacer	As Required
18	630-0009	Cotter Pin	1
19	615-5001	Soc. Head Set Screw	4
20	000-2014	Grease Seal – King Pin	1
21	000-2015	Washer – King Pin	1

REAR DRUM ASSEMBLY
B105

Item No.	Part No.	Description	Qty.
1	000-2212	Rear Drum, B105	1
2	325-0011	Rubber Mount	4
3	000-6219	Drive Plate	1
4	000-6229	Drive Motor Mount	1
5	105-0031	Drive Motor	1
6	607-0040	Lock Nut.	4
7	610-1045	Hex Bolt	10
8	610-1018	Lock Washer	14
9	610-1042	Hex Bolt	4
10	300-0003	Bearing, Rear Drum	1

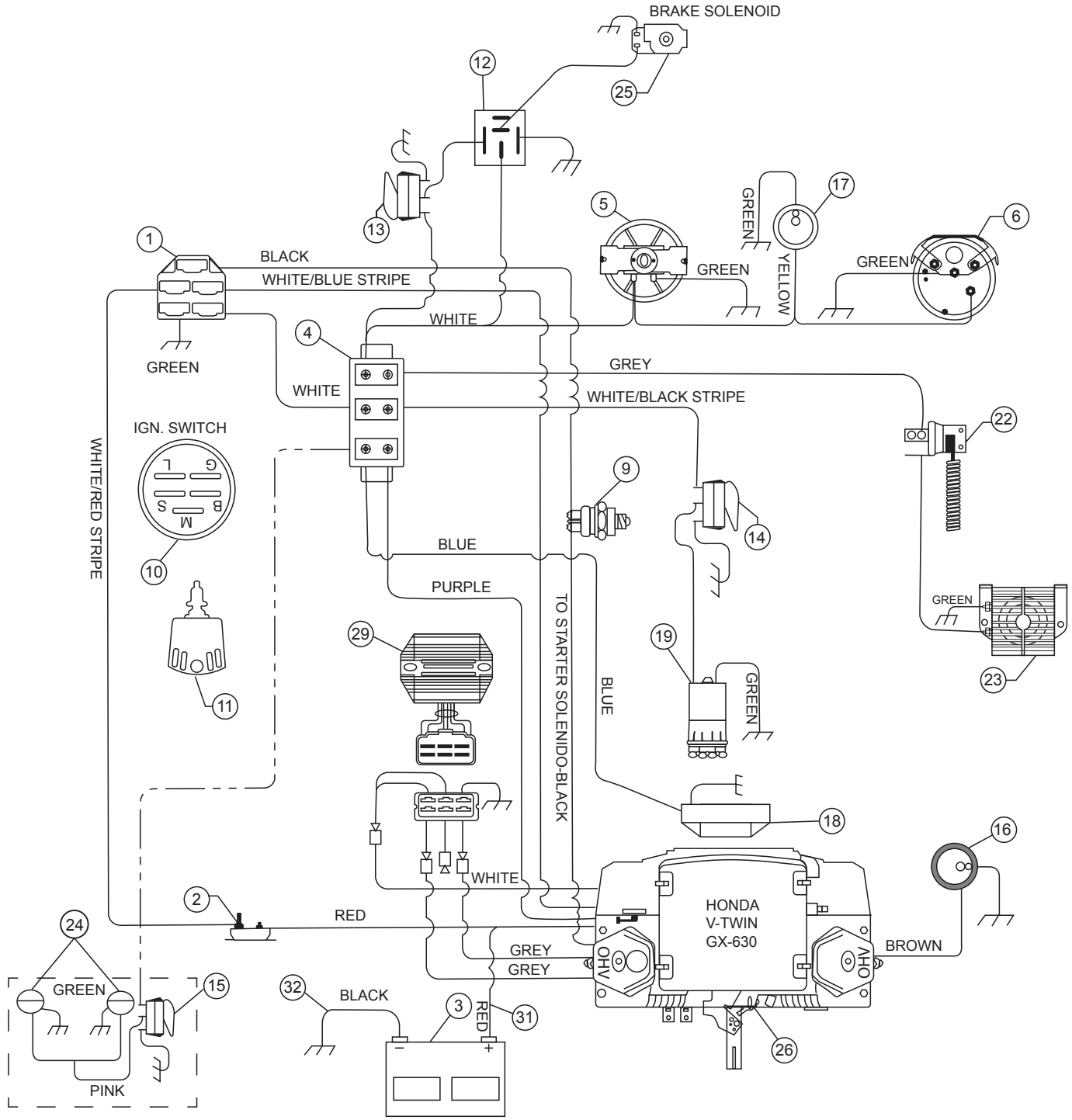


DRUM SPRAY SYSTEM – B105



Item No.	Part No.	Description	Qty.
1	000-2147	Rear Spray Bar	1
2	540-0002	Adapter, Straight Poly	2
3	000-1402	Water Tank	1
4	424-0003-3	Water Hose, 1/2” I.D. x 3” Lg.	1
5	542-0003	Adapter, 90˚ Poly	2
6	424-0003-9	Water Hose,1/2” I.D. x 9” Lg.	1
7	424-0003-32	Water Hose,1/2” I.D. x 32” Lg.	1
8	530-0001	1/2” Bronze Ball Valve	1
9	424-0003-12	Water Hose,1/2” I.D. x 12” Lg.	1
10	543-0003	Adapter, Tee Poly	1
11	424-0003-66	Water Hose,1/2” I.D. x 66 Lg.	1
12	000-2146	Front Spray Bar	1
13	546-0002	Plug, 3/4” PVC	1
14	540-0004	Adapter, Straight Poly	1
15	645-0008	Clamp	2
16	645-0019	U-Bolt for Ball Valve	1
17	350-0020	Vented Water Cap w/chain	1
18	338-0041	Water Pump	1
19	542-0002	Adapter, 90˚ Poly	2
20	338-0020	Strainer, System	1
21	338-0031	Screen, Replacement for 338-0020	1
22	542-0004	Adapter, 90˚ Poly	1
23	338-0035	Complete Spray Nozzle Assembly	7
NOZZLE ASSEMBLY CONSISTS OF:			
24	338-0011	Base, Spray Nozzle	1
25	338-0013	Strainer, Spray Nozzle	1
26	338-0012	Cap & Gasket, Spray Nozzle	1
27	338-0010	Spray Tip (Brass)	7
*	645-0063	Hose Clamp (not shown)	10

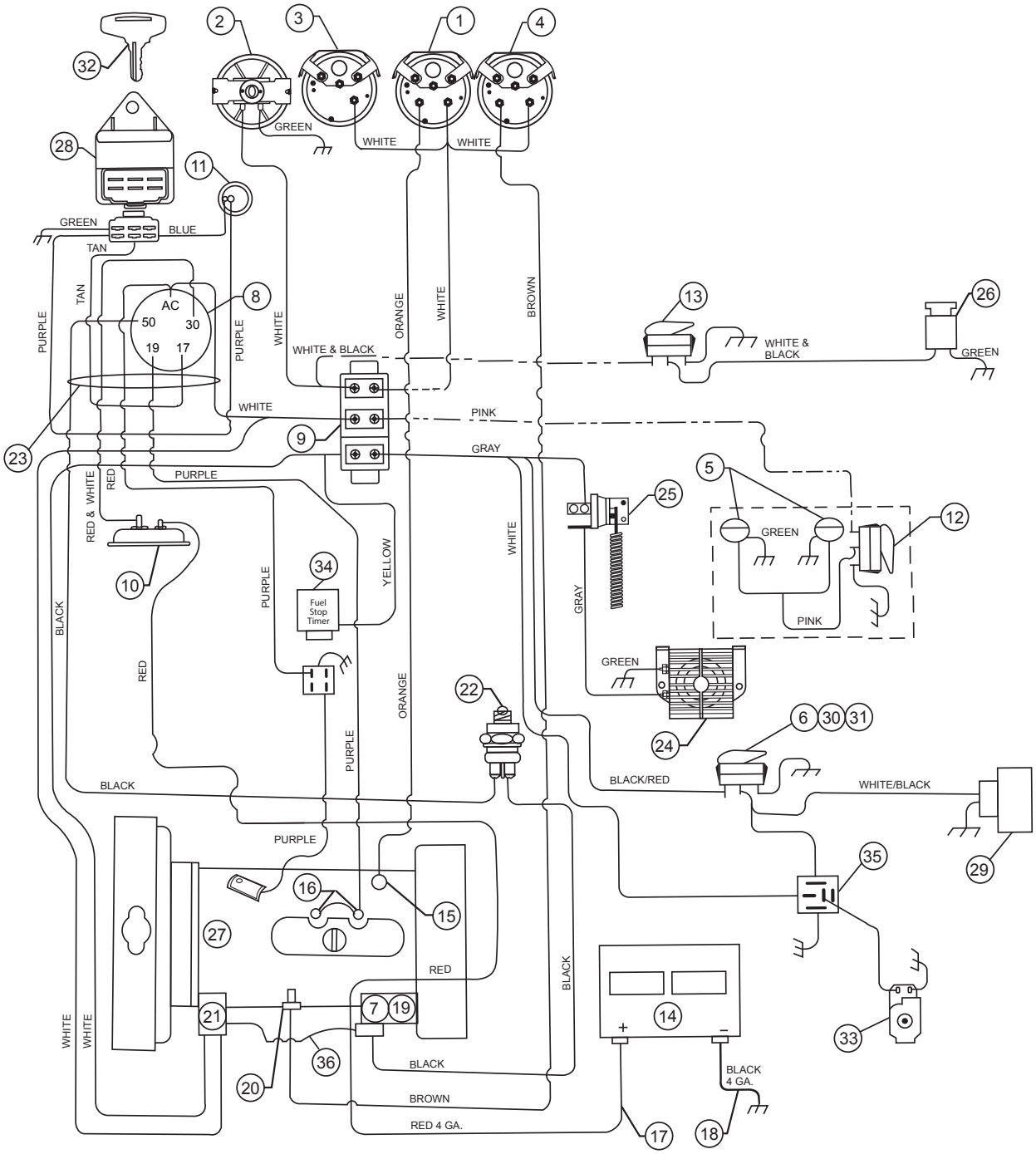
ELECTRICAL SCHEMATIC - W/ HONDA GX630



ELECTRICAL SYSTEM - W/ HONDA GX630

Item No.	Part No.	Description	Qty.
1	335-0074	Connector – 5way (1) at Key Switch	1
2	335-0063	Circuit Breaker, 30 amp (Under Dash)	1
3	335-0267	Battery, 12 volt	1
4	335-0021	Terminal Block (Under Dash)	1
5	375-0001	Hourmeter	1
6	375-0013	Voltmeter	1
7	375-0009	Fuel Gauge (not shown)	1
8	375-0022	Fuel Sender (not shown)	1
9	335-0013	Switch, Neutral Start (at Control Lever)	1
10	335-0311	Switch, Ignition 5 pole	1
11	335-0312	Key, Ignition (set of 2)	
12	335-0291	Relay, Reverse Polarity	1
13	335-0285	Switch, Rocker (Brake) (Red)	1
14	335-0294	Switch, Rocker (Drum Spray System) (Blue)	1
15	335-0286	Switch, Rocker (Work Lights)	1
16	335-0105	Light, Red Indicator (Low Oil)	1
17	335-0019	Light, Green Indicator (Run Light)	1
18	335-0307	Fan, Electric (Mounted on cooler)	1
19	338-0041	Water Pump (Drum Spray System)	1
20	335-0207	Fuse, 10 amp Spade Fuse (OPTIONAL) not shown	1
21	335-0177	Fuse Holder (OPTIONAL) not shown	1
22	335-0094	Switch, Back-up Alarm	1
23	335-0323	Alarm, Back-up	1
24	335-0172	Work Lights	2 or 4
25	110-0085	Coil, Brake Valve	1
26	200-0388	Engine, Honda GX630	1
27	335-0287	3 Switch Mounting Panel (not shown)	1
28	335-0284	Plug-mounting Panel (not shown)	As required
29	200-0409	Regulator, Honda.	1
30	200-0410	Solenoid, Start Honda (not shown)	1
31	335-0289	Positive Battery Cable	1
32	335-0288	Negative Battery Cable	1
33	000-6246	Wire Harness (Honda GX630)	1

ELECTRICAL SCHEMATIC - KUBOTA Z602 DIESEL

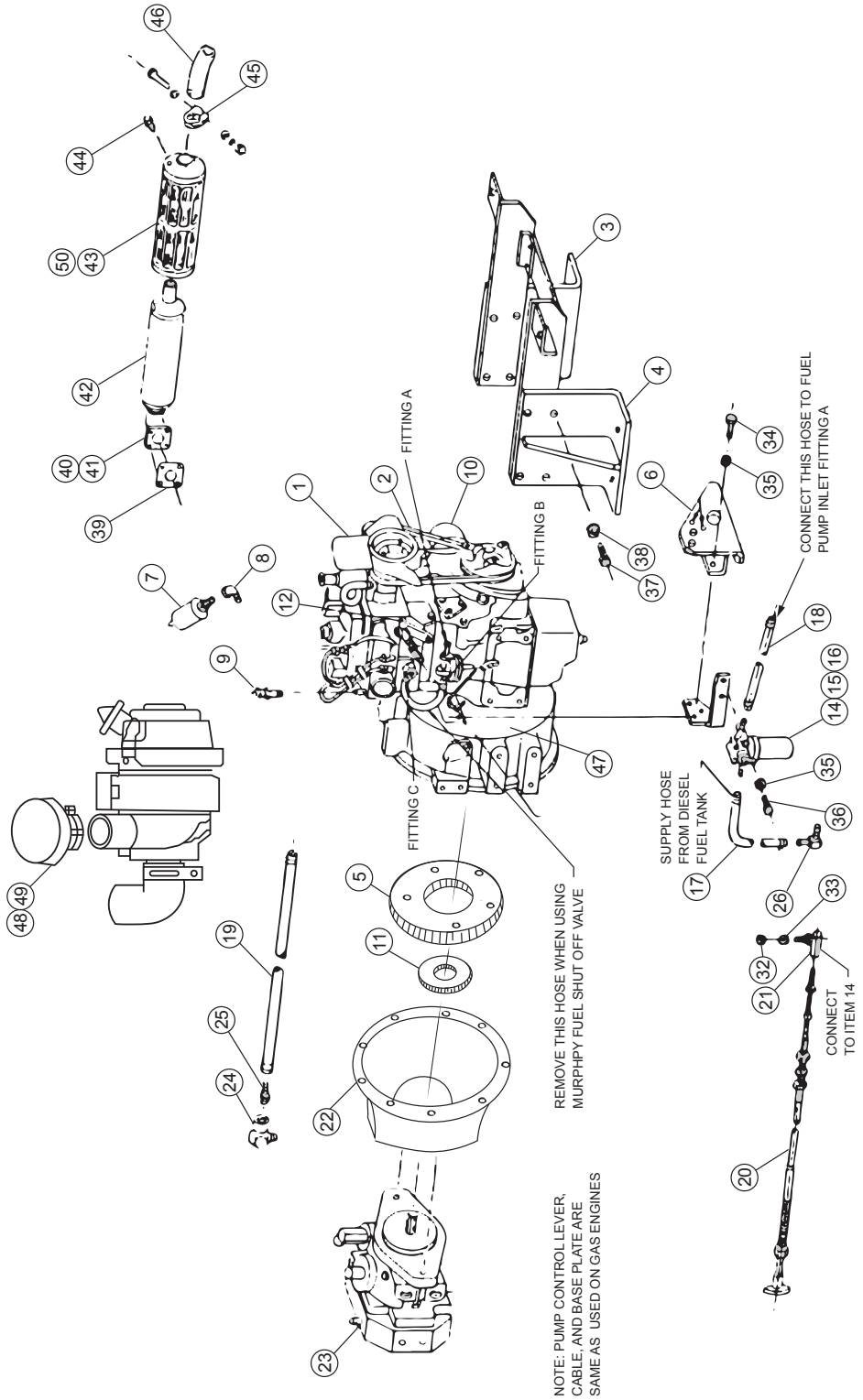


ELECTRICAL SYSTEM - w/Kubota Z602 Diesel

Item No.	Part No.	Description	Qty.
1	375-0003	Water Temp Gauge	1
2	375-0001	Engine Hour Meter	1
3	375-0013	Voltmeter	1
4	375-0023	Oil Pressure Gauge	1
*	375-0009	Fuel Gauge (not shown)	1
*	375-0022	Fuel Sender (not shown)	1
5	335-0172	Work Lights	2 or 4
6	335-0285	Rocker Switch (Brake)(Red)	1
7	207-0049	Starter – Kubota Z602	1
8	207-0008	Ignition Switch - Kubota	1
9	335-0021	Terminal Block (Under Dash)	1
10	335-0063	30 amp Circuit Breaker	1
11	207-0030	Glow Plug Indicator Light (Kubota)	1
12	335-0286	Switch, Rocker (Work Lights)	1
13	335-0294	Switch, Rocker (Drum Spray System)(Blue)	1
14	335-0267	Battery, 12 volt	1
15	375-0004	Water Temp Sender	1
16	207-0034	Glow Plug	2
17	335-0289-38	(POS) Battery Cable (Red)	1
18	335-0288-28	(NEG) Battery Cable (Black)	1
19	207-0019	Solenoid, Engine (Kubota)	1
20	375-0024	Oil Pressure Sender	1
21	207-0053	Alternator (Kubota) Dynamo Assy	1
22	335-0013	Neutral Start Switch	1
23	000KD617	Beuthling Wiring Harness (Diesel Engine Only)	1
24	335-0323	Back Up Alarm	1
25	335-0094	Switch, Back Up Alarm	1
26	338-0041	Water Pump (Drum Spray System)	1
27	205-0295	Kubota Diesel Engine Model Z602	1
28	207-0028	Lamp Timer For Glow Plugs (Kubota)	1
29	335-0121	Brake Alarm - OPTIONAL	1
30	335-0287	3 Switch Mtg. Panel (not shown)	1
31	335-0284	Mtg. Panel Plug (not shown)	As Req'd
32	335-0133	Key – Ignition (Set of 2) (Kubota)	1
33	110-0087	Coil & Valve - Brake	1
34	207-0055	Fuel Stop Solenoid Timer	1
35	335-0291	Relay (Reverse Polarity)	1
36	335-0320	Cable, Starter to Alternator	1

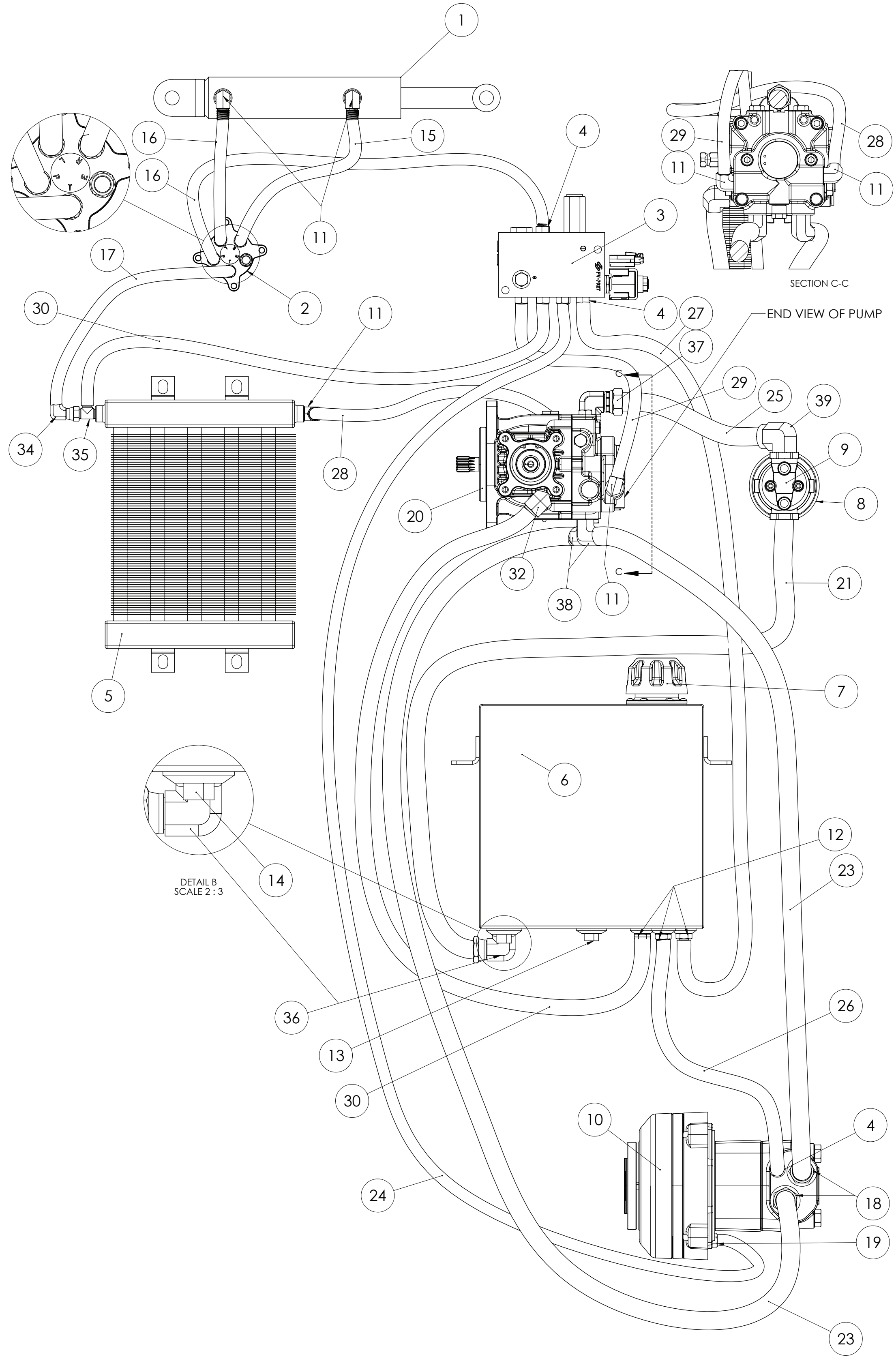
Please Check Engine Serial & Spec Numbers Before Ordering Parts

KUBOTA Z602 DIESEL ENGINE



KUBOTA Z602 DIESEL ENGINE COMPONENTS

Item No.	Part No.	Description	Qty.
1	205-0335	Fan Blade	1
2	235-0054	Fan Belt	1
3	000-KD065	Engine Bracket - Left Hand	1
4	000-KD063	Engine Bracket - Right Hand	1
5	230-0036	Nylon Flange	1
6	000-KD068	Bracket For Throttle	1
7	375-0024	Sender, Oil Pressure	1
8	501-0012	Adapter 45˚, 1/8 28 BPT Male x 1/8 27 Female	1
9	375-0004	Sender, Water Temperature	1
10	205-0010	Oil Filter	1
11	230-0037	Splined Hub	1
12	205-0006	Engine Stop Lever	1
14	205-0004	Cup, Fuel Filter	1
15	205-0046	0-Ring, Fuel Filter Cup	1
16	205-0011	Element, Fuel Filter	1
17	432-0001-27	5/16” Fuel Line Hose x 27” Lg. (From Tank)	1
18	432-0001-14	5/16” Fuel Line Hose x 14” Lg. (To Fuel Pump Inlet)	1
19	420-0001-25	3/16” Fuel Line Hose x 25” Lg. (Return)	1
20	315-0014	Throttle Cable	1
21	645-0026	Ball Joint	1
22	230-0042	Housing, Hydraulic Pump Mounting Plate	1
23	100-0036	Pump, Propel SEE HYDRAULIC DIAGRAM	1
24	502-0014	Adapter, 90˚ 1/4” NPT Male x 1/4” NPT Female	1
25	500-0061	Adapter, Straight 1/4” NPT x 3/16” Barb	1
26	502-0021	Adapter, 90˚ 1/4” NPT x 5/16 Barb	1
32	605-0015	1/4” N.F. Hex. Nut	1
33	625-0003	1/4” Lock Washer	1
34	610-1002	8mm x 1.25 x 20mm H.H.C.S	4
35	610-1017	8mm Lock Washer	6
36	610-1025	8mm x 1.25 x 65mm H.H.C.S.	2
37	610-1001	10mm x 1.25 x 35mm H.H.C.S.	8
38	610-1009	10mm Lock Washer	8
39	205-0065	Gasket, Muffler	1
40	205-0066	Cover, Muffler Flange L.H. NOT SHOWN	1
41	205-0067	Cover, Muffler Flange R.H. NOT SHOWN	1
42	000KD077	Muffler Only (ALTERED)	1
43	205-0068	Cover, Muffler	1
44	205-0069	Bolt	1
45	397-0011	Clamp	1
46	205-0070	Muffler Pipe	1
47	205-0295	Engine Kubota Z602	1
48	205-0254	Air Cleaner- Assy. w/Element (plastic)	1
49	205-0246	Element - Air Cleaner	1
50	000-2178	Muffler Heat Sheild (above muffler) (not shown)	1
*	205-0336	Radiator (not shown)	
*	205-0338	Radiator (complete kit) (not shown)	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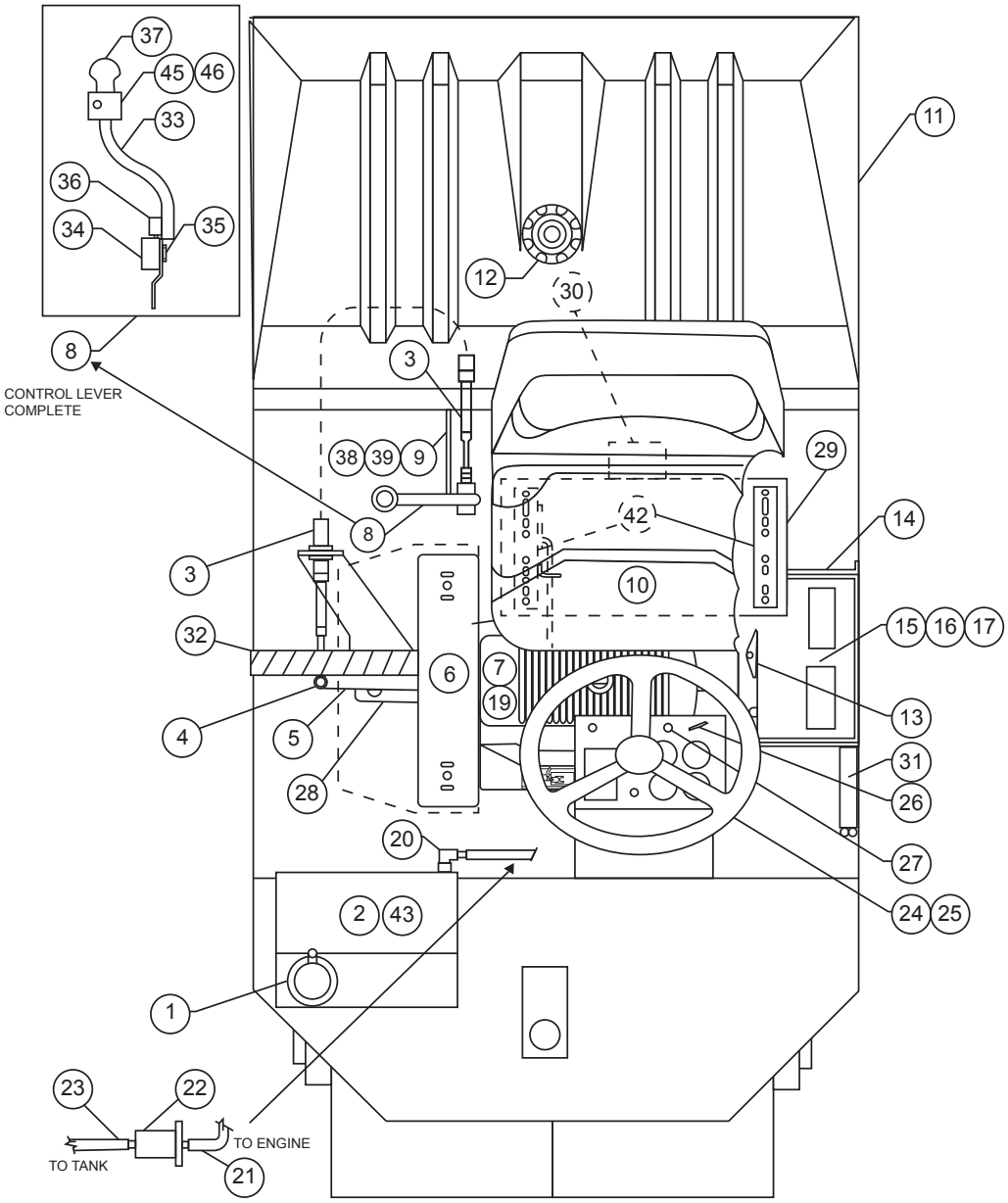
HYDRAULIC SYSTEM - B105

Item No.	Part No.	Description	Qty.
1	115-0008	Hydraulic Cylinder	1
2	115-0032	Steering Orbital	1
3	110-0073	Manifold Package, Brake and Steering	1
4	500-0003	Adapter, Straight	6
5	125-0003-1	Oil Cooler	1
6	000-6222	Hydraulic Oil Tank	1
7	350-0002	Fill Cap w/screen	1
8	130-0002	Oil Filter	1
9	130-0003	Oil Filter Head	1
10	105-0031	Drive Motor w/brake	1
11	502-0013	Adapter, 90˚	5
12	500-0035	Adapter, Straight	3
13	526-0004	Pipe Plug	1
14	526-0002	Pipe Plug	1
15	403-0062	3/8” Hose Assembly, 24”	2
16	403-0061	3/8” Hose Assembly, 20”	1
17	403-0063	3/8” Hose Assembly, 35”	1
18	500-0075	Adapter, Straight	2
19	500-0068	Adapter, Straight	1
20	100-0043	Hydraulic Propel Pump	1
21	426-0001-24	3/4” Hose Assembly, 24”	1
23	404-0077	1/2” Hose Assembly, 28”	2
24	403-0060	3/8” Hose Assembly, 80”	1
25	426-0001-13	3/4” Hose Assembly, 13”	1
26	423-0001-34	3/8” Hose Assembly, 34”	1
27	423-0001-59	3/8” Hose Assembly, 59”	1
28	423-0001-28	3/8” Hose Assembly, 28”	1
29	403-0069	3/8” Hose Assembly, 38”	2
30	424-0001-15	1/2” Hose Assembly, 15”	1
32	502-0034	Adapter, 90˚	1
34	502-0011	Adapter, 90˚	1
35	503-0014	Adapter, Tee	1
36	502-0008	Adapter, 90˚	2
37	502-0054	Adapter, 90˚	1
38	502-0031	Adapter, 90˚	2
39	502-0007	Adapter, 90˚	1

*** Item Not Shown**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CONTROL LEVER
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MISCELLANEOUS COMPONENTS

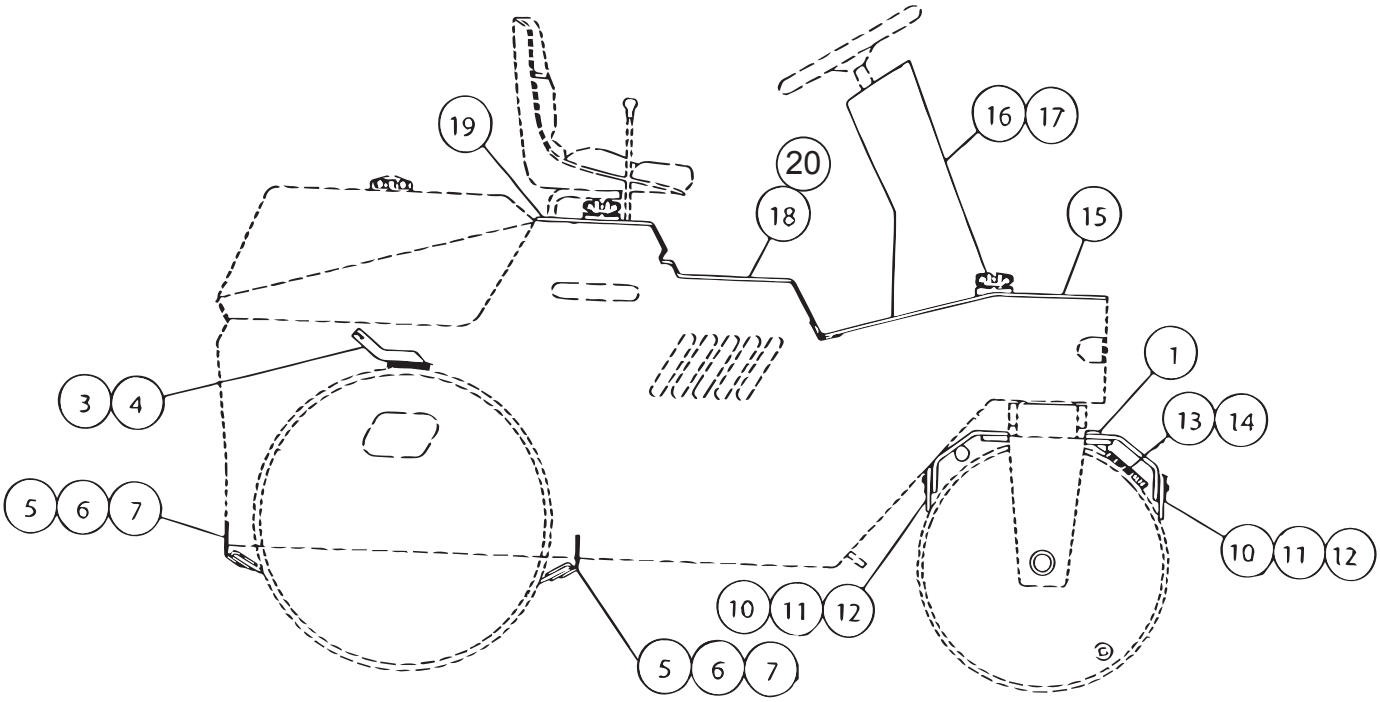
Item No.	Part No.	Description	Qty.
1	350-0033	Fill Cap Complete, Fuel (Ser.# 1551299 and up) Gasoline	1
1	350-0002	Fill Cap Complete, Fuel Gasoline and Diesel	1
2	000-2003	Fuel Tank	1
3	315-0010	Control Cable, Pump	1
4	645-0022	Ball Joint	2
5	000-3020	Control Lever, on Pump	1
6	200-0431	Muffler - Honda GX630	1
7	205-0295	Engine - NOT SHOWN - Kubota Diesel Z602	1
8	000-1441	Control Lever, Forward & Reverse Complete Assembly	1
9	000-1010	Control Cable Bracket, Upper	1
10	395-0001	Seat w/Slides	1
11	000-1402	Water Tank, Poly	1
12	350-0020	Water Cap w/Chain	1
13	385-0074	Battery Hold Down	1
14	000-1405	Battery Tray	1
15	335-0267	Battery 12 Volt	1
16	335-0288	Battery Cable - Negative - NOT SHOWN	1
17	335-0289	Battery Cable - Positive - NOT SHOWN - Kohler CH18S	1
19	500-0083	Adapter, 1/4 - 18 Male x 1.4 - 18 Female NPT	1
19	200-0388	Engine, Honda GX630	1
*	200-0400	Filter, Engine Oil - Honda GX630	1
*	200-0401	Filter, Engine Air - Honda GX630	1
*	200-0402	Engine, Fuel - Honda GX630	1
20	502-0014	Adapter, 90˚	1
21	420-0001-3	Fuel Line 1/4”x 3” Lg. (Filter to Engine)	1
22	200-0014	Fuel Filter - Kohler	1
*	345-0001	Pump Mount - NOT SHOWN	1
*	230-0007	Chain Coupling - NOT SHOWN (Honda)	1
23	420-0001	Fuel Line 1/4”	1
24	330-0024	Steering Wheel	1
25	330-0025	Cap, Steering Wheel	1
*	330-0027	Spinner Knob - Steering Wheel - OPTIONAL	1
26	315-0022	Throttle Cable w/Tee Handle (Kohler and Honda Engine)	1
27	315-0001	Choke Cable (Kohler and Honda Engine)	1
28	000-3021	Pump Control Base Plate	1
29	000-1240	Seat Base	1
30	335-0323	Back Up Alarm	1
31	125-0003-1	Heat Exchanger - Hydraulic	1
32	000-3158	Exhaust Pipe Honda GX630 (Directs Exhaust Outside Side Plate)	1
33	000-3037	Control Lever Only	1
34	000-1438	Mount - Control Lever	1
35	000-1440	Bolt - Adjusting	1

*** Item Not Shown**

MISCELLANEOUS COMPONENTS (CONTINUED)

Item No.	Part No.	Description	Qty.
36	310-0005	Plunger - Neutral Detent	1
37	350-0031	Knob - Soft Plastic	1
38	335-0094	Back Up Alarm Switch	1
39	000-2138	Control Lever Stop Angle	1
42	395-0019	Seat Sides	1 Pair
*	380-0112	Complete Decal Set	1
43	530-0008	Valve, Slosh Roll-Over	1
44	000-3036	Control Lever Assy	1
45	000-3013	Housing Vibe Switch	1
46	335-0071	Switch, Toggle	1

COVERS, RUBBER SCRAPERS & COCOA MATS



Item No.	Part No.	Description	Qty.
1	000-1416	Front Cocoa Mat Pivot Bracket	2
3	000-1293	Cocoa Mat Pan - Rear	1
4	355-0005	Cocoa Mat Rear	1
5	000-1296	Bracket - Rear Drum Scraper	2
6	000-1410	Back Up Bar - Rear Rubber Scraper	4
7	000-1411	Rear Rubber Scraper	2
10	000-1268	Back Up Bar - Front Rubber Scraper	4
11	000-1269	Front Rubber Scraper	2
12	000-1407	Front Scraper Arm	4
13	000-1419	Front Cocoa Mat Pan	1
14	355-0001	Cocoa Mat Front	1
15	000-2141	Front Floor Cover	1
16	000-2156	Dash Panel - NOT SHOWN	1
17	000-2142	Steering Column Cover	1
18	000-1367	Center Floor Cover w/Louvers	1
19	000-2110	Rear Floor Cover	1
20	000-2041	Heat Deflector Shield	1
*	380-0112	Complete Set of Decals	1

*** Item Not Shown**

SPECIFICATIONS

WEIGHTS

Shipping Weight . . . . . 2250 lbs.
Operating Weight (Full Ballast + Operator) . . . . . 3000 lbs.

DIMENSIONS

Overall Length . . . . . 77 in.
Overall Height . . . . . 62 in.
Overall Width . . . . . 40 in.
Wheelbase . . . . . 52.75 in.
Curb Clearance . . . . . 9.50 in.
Wall Clearance . . . . . .875 in.

CAPACITIES

Fuel (Honda/Kubota) . . . . . 2.75 gal.
Hydraulic Fluid . . . . . 2.5 gal.
Engine Oil (Honda) . . . . . 1.5 qts.
Water Tank . . . . . 34 gal.

DRUMS

FRONT:

Overall Width . . . . . 30 in.
Diameter . . . . . 20 in.
Shell Thickness . . . . . .375 in.

REAR:

Overall Width . . . . . 37 in.
Diameter . . . . . 24 in.
Shell Thickness . . . . . .500 in.

STEERING

Type . . . . . Hydraulic, cylinder-front drum
Turning Radius (inside) . . . . . 56 in.
Oscillation . . . . . 24˚ Total

DRIVE

Drive System . . . . . Hydrostatic, *Internal Direct Drive,* Rear Drum, Single Lever, Infinitely Variable Controls
Travel Speed . . . . . 0-6 MPH
Engine . . . . . Honda GX630 Twin Cylinder Air Cooled, Gasoline, Electric Start, 12 Volt Battery

BRAKES

Service . . . . . Hydrostatic drive provides dynamic braking
Secondary/Parking . . . . . Failsafe, Spring applied Hydraulically released, manual switch on console

DRUM SPRAY SYSTEM

Type . . . . . Pressurized water w/electric pump & quick disconnect spray nozzles
Tank . . . . . Polyethylene plastic, 3” fill neck, cap w/safety chain rear, 34 gal. capacity
Drum Scrapers . . . . . Four adjustable, rubber
Drum Cocoa Mats . . . . . One each drum, pivoting

STANDARD EQUIPMENT

- Instrumentation . . . . . Hourmeter, Voltmeter, Fuel Gauge, & Low Engine Oil Indicator Light
- Vandal Protection . . . . . Lockable Fill Caps for Fuel and Hydraulic Fluid
- Seat . . . . . High Back, Bucket Type Adjustable, Arm Rests
- Safety Devices . . . . . Neutral Start Switch, Back-Up Alarm, Work Lights, Failsafe Hydraulic Brake

OPTIONAL EQUIPMENT

- Kubota Diesel Engine
- Vandal Protection Package
- Special Paint (Any Color)
- ROPS (Rollover Protection Structure) w/Seat Belt

COMPACTOR IDENTIFICATION INFORMATION

COMPACTOR SERIAL NUMBER: _____

ENGINE, MAKE, MODEL & SERIAL NUMBER: _____

PURCHASE DATE: _____

DEALER: _____

PHONE #: _____

COMPACTOR SERVICE INFORMATION

New Beuthling
465 Griffin Blvd.
Amery, WI 54001
715-263-2300