



Maintenance Procedure Card

CG-P6 Dewatering Pump

NOTE ~

This card gives direction for build-up, inspection and maintenance procedures for the CG-P6 dewatering pump. Detailed component parts information can be found on Allowance Parts List 01158520A2 available from the Engineering Logistics Center.

ITEM 1. BUILD-UP PROCEDURE AND ACCEPTANCE INSPECTION

NOTE ~

This inspection is required to place the dewatering pump into service.

PARTS REQUIRED

CG-P6 Dewatering pump kit 4320 01 F99 0342

NOTE ~

The kit includes the pump and engine, suction hose and strainer, discharge hose, fuel tank, spare starter rope, flashlight and instruction card.

Aluminum container	8110 01 031 8863
Clamp Ring	5340 01 144 7003
Container Lid Gasket	5330 00 062 7420

CONSUMABLES

Gasoline	
Gasoline Additive	6850 01 322 5201
SAE 10 W-30 Engine Oil	9150 01 413 6897
Type I Nylon Cord	4020 00 240 2154
Retro-reflective Tape	9390 01 078 8660
Size "D" Batteries	6135 00 120 1020
Stencil Ink, Black	8010 00 285 4916

TOOLS REQUIRED

Stencil Kit, 3 inch	7520 00 272 9683
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1. Unpack the pump system and associated components from the shipping packaging.
2. Inventory the pump system and associated components. The following items are required to continue:
 - A. pump and engine assembly mounted to the protective frame
 - B. 15-foot suction hose with attached strainer
 - C. Suction hose
 - D. 20-foot discharge hose



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- E. removable fuel tank with fuel gauge
- F. spare starter rope
- G. explosion proof flashlight
- H. laminated instruction card
- I. aluminum container
- J. clamp ring
- K. container lid gasket

NOTE

Honda will install a new recoil system starting with engine serial number CGACT-1130610. The new recoil system (Recoil assembly, P/N 28400-ZH8-123YA and Flywheel Cup, P/N 28451-ZLO-801) is not interchangeable with earlier pumps.

3. Ensure that the recoil starter assembly is positioned so that the starter rope exits the recoil shroud at about the 9 o'clock position.
4. Fill the engine crankcase with .63 quarts of SAE 10 W-30 engine oil. Replace the cap.
5. Install the fuel tank onto the fuel tank bracket. Secure the fuel tank retaining bands over the fuel tank handle.
6. Fill the fuel tank to 2 inches below the top with clean, fresh, regular (86 octane or higher) unleaded gasoline. Use of gasoline additive may be required depending on pump kit operating or storage environment. Use gasoline additive at maintenance supervisor's discretion.
7. Install batteries in the flashlight and check light for proper operation.
8. Attach the flashlight to the laminated instruction card with a 2-foot length of Type I nylon cord.
9. Tie a figure eight knot in the bitter end of the spare starter rope and attach the spare starter rope to the lifting frame of the pump with a larkshead knot.
10. Install 12 pieces of 2 inch by 3 inch retro-reflective tape on the aluminum container as follows:
 - A. 4 pieces on the container bottom equally spaced around the outside circumference
 - B. 4 pieces on the container top equally spaced around the outside circumference
 - C. 4 pieces on the container side two inches from the top, equally spaced around the circumference
11. Stencil the lid of the container with the following: "NO SMOKING GAS IN CAN". Decals or adhesive backed letters may be used in lieu of stencil ink.
12. Change the engine oil and inline fuel filter after the first 20 hours of engine operation.
13. Record pump serial number, build-up procedure and acceptance inspection complied with on the CG-P6 maintenance log.
14. Perform all steps in ITEM 2.



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ITEM 2. MONTHLY INSPECTION AND TEST RUN

NOTE ☞ If ITEM 3 needs to be complied with at this inspection interval, complete it prior to performing this inspection.

CONSUMABLES

Fresh Water

Gasoline

Gasoline Additive 6850 01 322 5201

SAE 10 W-30 Engine Oil 9150 01 413 6897

Instruction Card 9905 01 470 2813

Silicone Spray 9150 00 823 7860

TOOLS REQUIRED

"Tiny Tach" inductance tachometer Briggs and Stratton part number 19389

1. Unpack the pump system and associated components from the container.
2. Inspect the suction hose, suction hose gasket and attached strainer for damage. Repair or replace as necessary.
3. Inspect the discharge hose and discharge hose gasket for damage. Repair or replace as necessary.
4. Position pump 10 to 15 feet above fresh water source on a level surface.
5. Check the engine oil level. If the level is low refill the crankcase to the top of the filler neck with SAE 10 W-30 engine oil. Replace the cap.
6. Check that the recoil starter assembly is positioned so that the starter rope exits the recoil shroud at about the 9 o'clock position.
7. Pull the starter rope slowly from the recoil housing and inspect the rope for deterioration. Replace worn or damaged starter ropes.
8. Inspect the spare starter rope for deterioration. Replace worn or damaged spare starter ropes.
9. Inspect the flashlight and instruction card. Replace batteries if the light appears dim and replace cards that are not legible.
10. Inspect the fuel tank rubber retaining bands for deterioration. Replace bands as required.
11. Remove the fuel tank cap and inspect the interior of the tank for water or foreign debris. If water or foreign debris is found, drain the gasoline and clean out tank. Refill the fuel tank to 2 inches below the top with clean, fresh, regular (86 octane or higher) unleaded gasoline. Use of gasoline additive may be required depending on pump kit operating or storage environment. Use gasoline additive at maintenance supervisor's discretion.
12. Inspect the fuel tank quick connect fitting for damage that would inhibit fuel line connection. If necessary, repair tank before proceeding.



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13. Inspect the fuel hose, in-line filter and quick connect fitting assembly for damage that would inhibit fuel flow. If necessary, repair fuel line assembly before proceeding.
14. Connect the fuel line.
15. Connect the discharge hose and secure discharge hose end into the fresh water source. The discharge hose will move if not secured.
16. Connect the suction hose and completely submerge the strainer into fresh water source.
17. Turn the engine ignition switch clockwise to the "ON" position.
18. Open the fuel valve on the engine by pushing it to the right into the "ON" position.
19. Move the choke lever to the "CHOKE" position.
20. Set the throttle about 1/3 open.
21. Prime the pump by rapidly cycling the hand primer pump handle in and out until water is discharged from the primer pump cylinder cap.
22. Start the pump by pulling the recoil starter rope. Engines that require more than six pulls to start shall be tuned to achieve starts in less than six pulls. Refer to Honda service manuals for the GX series engine (Honda part number 61ZH700 and 61ZH700Y) for troubleshooting and maintenance procedures. Once the engine starts, shut off the choke.
23. Check the discharge flow output. If no flow is present, rapidly cycle the hand primer pump until water is flowing from the discharge hose.
24. Pump fresh water for approximately five minutes and adjust the throttle through its full range checking for an increase or decrease in flow output accordingly.

NOTE ~ Steps 24 through 28 are only required annually.

CAUTION ! ACCOMPLISH STEPS 24 THROUGH 28 QUICKLY, THE IMPELLER SEAL CAN ONLY RUN DRY FOR TWO MINUTES MAXIMUM.

25. Set the throttle to the idle position.
26. Disconnect the suction hose.
27. Check the engine idle speed and, if required, adjust to 1400 RPM.
28. Set the throttle position to full open.
29. Check the engine full throttle speed and, if required, adjust to 3900 RPM.
30. Disconnect the fuel line and continue to pump water until engine shuts down from lack of fuel.
31. Close the fuel valve by pushing it to the "OFF" position.
32. Turn the engine ignition switch counter-clockwise to the "OFF" position.
33. Disconnect the suction and discharge hoses and allow them to drain completely.
34. Tip the pump towards the discharge outlet and completely drain the water from the impeller case. Cycle the hand primer pump to discharge residual water and redrain the impeller case.
35. Check the engine oil and refill as required. Refer to step 5 above.
36. Refill fuel tank. Refer to step 10 above.
37. Completely dry the engine, pump, hoses and associated kit components.



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38. Spray the interior and exterior of the pump impeller case, the engine cooling fins and throttle lever pivot point, discharge outlet and suction inlet with silicone spray.
39. Pack the pump kit into the storage container in accordance with the packing procedure at the end of this card.
40. Record monthly inspection and test run complied with on the CG-P6 maintenance log.

ITEM 3. ANNUAL RECONDITION AND ADJUSTMENT

NOTE

For detailed engine maintenance procedures refer to the Honda Service Manual for the GX 120/160 engine, Honda part number 61ZH700 and the GX 200 engine Supplement, Honda part number 61ZH700Y. These publications are available at local Honda distributors.

PARTS REQUIRED

Fuel Filter	4330 01 470 3207
Paper Air Cleaner Element	2940 01 470 5487
Spark Plug	2920 01 470 3318

CONSUMABLES

Gasoline	
Gasoline Additive	6850 01 322 5201
SAE 10 W-30 Engine Oil	9150 01 413 6897
Silicone Lubricant	6858 00 294 0860

TOOLS REQUIRED

Feeler Gauge .030
Hand Tools

1. Unpack the pump system and associated components from the container.
2. Remove the engine oil drain plug and completely drain the oil. Replace the drain plug. Refill the engine crankcase to the top of the filler neck with .63 quarts of SAE 10 W-30 engine oil. Replace the cap.
3. Remove the fuel tank cap and completely drain the fuel. Refill the fuel tank to 2 inches below the top with clean, fresh, regular (86 octane or higher) unleaded gasoline. Use of gasoline additive may be required depending on pump kit operating or storage environment. Use gasoline additive at maintenance supervisor's discretion. Replace the cap.



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4. Proceed with corrosion removal as required by maintenance supervisor. Refer to Honda service manuals for the GX series engine, Honda part number 61ZH700 and 61ZH700Y.
5. Record post use inspection on the dewatering pump maintenance log.
6. Perform all steps in ITEM 3.

PACKING PROCEDURE

CONSUMABLES

Desiccant	6850 00 264 6573
Copper Breakaway Wire	9525 00 603 4115
Plastic Bag	9930 00 927 4569
Rubber Bands	1670 00 568 0323
Size "D" Batteries	6135 00 120 1020

NOTE ~

This model pump must be stored with the fuel tank in the mounted position and the quick connect/disconnect gas line fitting disconnected from the engine.

1. Inspect the pump container. Restore the reflective tape and "NO SMOKING..." stencil as required and in accordance with the Build-Up Procedure.
2. Place one plastic packing bag into the pump container.
3. Inspect for the presence of the spare starter rope attached to the pump-lifting frame. Replace the spare starter rope as required.
4. Inspect for the presence of the discharge hose-coupling gasket to ensure it is in place. Replace the gasket as required.
5. Fold the 20-foot discharge hose into a tight flat coil approximately 10 inches long. The coupling needs to hang free from the end of the flat coil approximately 8 inches.
6. Place the flat discharge hose into the plastic bag pressed flat against the container side. Extend the coupling, pressing the hose flat against the container side.
7. Place the pump assembly into the plastic bag and onto the bottom of the container oriented so that the bulk of the discharge hose is under the fuel tank and hand primer pump and the coupling is oriented under the pump suction inlet.
8. Insert the suction hose strainer into the container routing it between the pump discharge outlet and exhaust shield and rest the strainer onto the bottom of the container. Carefully follow this step, the container lid will not seal if the coiled suction hose is higher than the top of the container.



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9. Coil the remaining suction hose clockwise into the container around the outside of the fuel tank, pressing the hose down onto the lifting frame. Continue coiling the hose and stow the coupling into the center of the coil.
10. Inspect for the presence of the suction hose-coupling gasket to ensure it is in place. Replace the gasket as required.
11. Place two fresh desiccant bags into the plastic packing bag.



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12. Close the plastic packing bag and secure it with a rubber band.
13. Install new batteries into the flashlight and check light for proper operation.
14. Place flashlight and laminated instruction card on top of sealed plastic bag.
15. Inspect the container lid gasket. Replace as required.
16. Place the container lid on the container and secure it in place by latching the clamp ring.
17. Route one turn of .020 thousandths inch diameter copper breakaway wire through the clamp ring latch hole and secure the wire in place by tightly twisting the bitter ends. Trim away the excess wire.