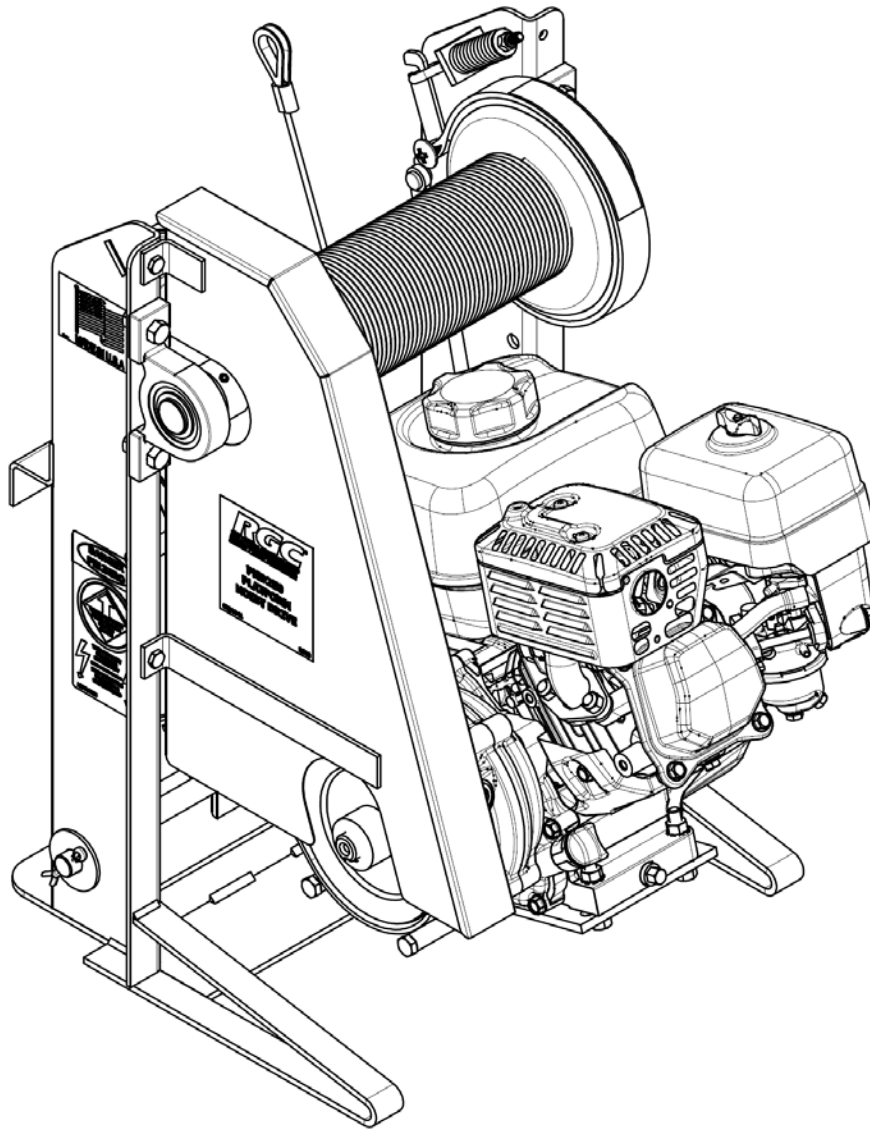
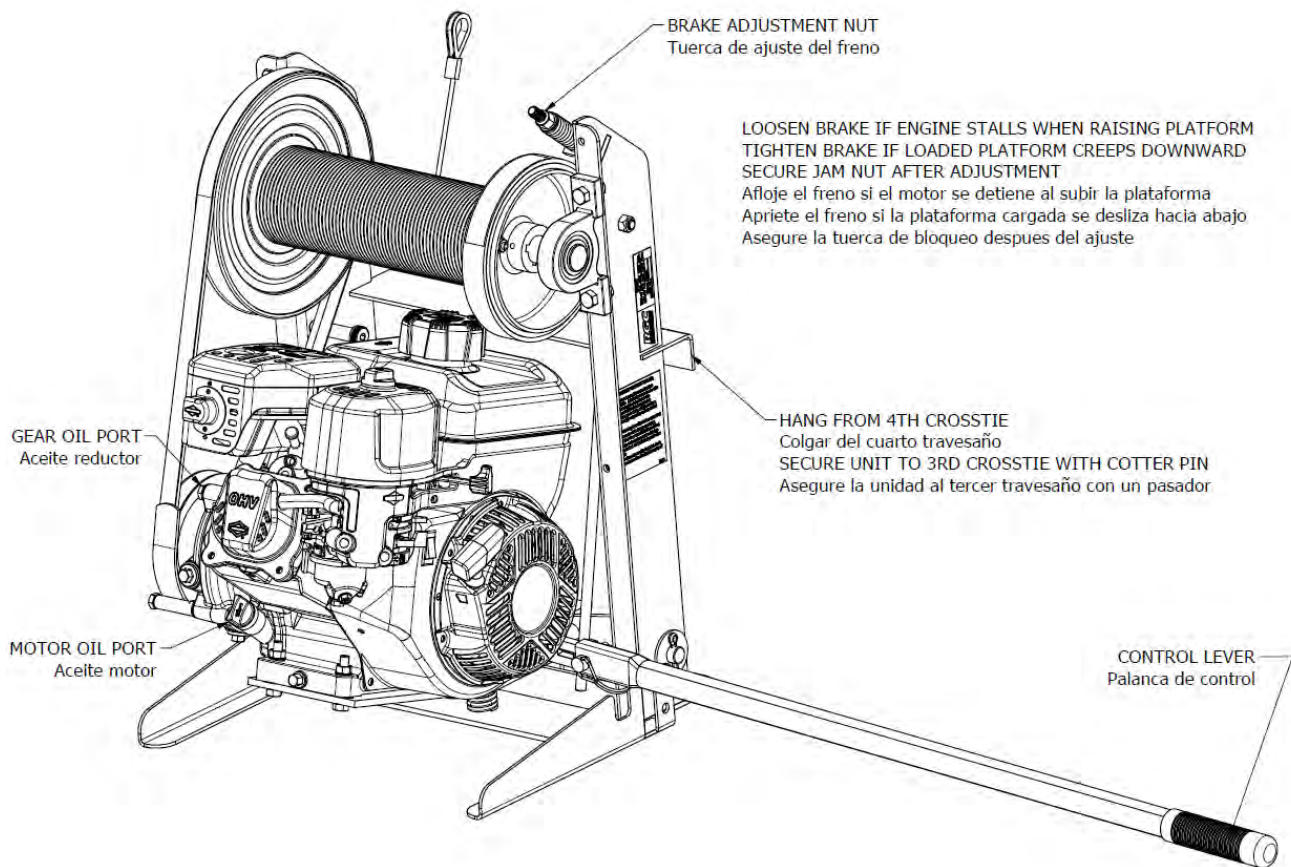




PHD PLATFORM HOIST DRIVE (HONDA/BRIGGS) INSTRUCTIONS

(Applies to P/N's 0400800, 0400900)





Oil must be added before starting the engine!

Control lever: raise to raise platform; lower to release brake and lower platform.

¡Agregar aceite antes de arrancar!

Palanca de control: arriba para subir la plataforma; abajo para bajar la plataforma.

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1. Pre-Hoisting Checklist

This checklist must be checked prior to each use of the power drive. This checklist is to be used as a guideline in conjunction with the maintenance and inspection procedures outlined in this manual. The power drive and related equipment must be thoroughly inspected prior to each use by a trained person. A trained person is one who has read and thoroughly understands this instruction manual and related equipment manuals and, through training and experience, has shown knowledge regarding the safe operational procedures. If you do not have such a person in your organization, please contact Reimann & Georger Corporation or its distributors and they will assist you in providing such a “trained person.” Do not permit any person who is not fully trained to operate this power drive. It is recommended that this checklist be maintained as a permanent record.

- ☐ Discuss work plan, personal protective equipment, and each crew member’s responsibility before starting to set-up.
- ☐ Ensure OSHA compliant fall protection is in place.
- ☐ Ensure hoisting operation will clear all power lines and obstructions.
- ☐ Ensure hoisting area is secured from all unauthorized personnel.
- ☐ Ensure the track is securely tied to the roof to prevent track from slipping.
- ☐ Ensure that both track shoes are resting on a firm level surface to prevent track slippage or uneven loading.
- ☐ Ensure the load does not exceed the rated load capacity of the hoist model being used.
- ☐ Ensure all structural members of the power drive are free of defects and damage that may affect the integrity of the power drive.
- ☐ Inspect wire rope for signs of wear and damage. Replace defective wire rope immediately.
- ☐ Ensure that at least three wraps of wire rope are on the power drive winch drum at maximum travel.
- ☐ Ensure that the brakes are in good condition.
- ☐ Ensure wire rope is reeved properly for either one (1) part of line for the 200lb capacity hoist or two (2) parts of line for the 400lb capacity hoist.
- ☐ Ensure that track support has been properly installed for track lengths over 28 feet.
- ☐ Ensure that the bottom of the track is away from the building 1/4 of the supported height plus the building overhang.
- ☐ Ensure that all bolts and nuts are tightened securely.
- ☐ Ensure all sheaves can rotate freely.
- ☐ Ensure safety latch on the hook does not support any load.
- ☐ Ensure power drive has been properly maintained.
- ☐ Operate hoist with no load to test hoisting operation, controls, and power drive.
- ☐ Check oil level in both the crankcase and reducer of all gas engine powered units. See chapter 4.2.1 & chapter 6.

INSPECTOR: _____ DATE: _____

2. SAFETY

2.1. INTRODUCTION

Your Reimann & Georger Corporation Platform Hoist Drive has been engineered to provide lifting performance, long term economics and safety advantages that no other type can match. However, even well-designed and well-built equipment can malfunction or become hazardous in the hands of an inexperienced and/or untrained user. Therefore, read this manual and related equipment manuals thoroughly before operating your lift to provide maximum safety for all operating personnel, and to get the maximum benefit from your equipment.

2.2. SAFETY DEFINITIONS

A safety message alerts you to potential hazards that could hurt you or others or cause property damage. The safety messages or signal words for product safety signs are **DANGER**, **WARNING**, and **CAUTION**. Each safety message is preceded by a safety alert symbol and is defined as follows:

DANGER: Indicates an imminently hazardous situation that, if not avoided, **will** cause death or serious injury. This safety message is limited to the most extreme situations.

WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in death or serious injury.

CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in minor or moderate injury. It may also be used to alert against unsafe practices and property-damage-only accidents.

2.3. EQUIPMENT SAFETY LABELS

These labels warn you of potential hazards that could cause injury. Read them carefully. If a label comes off or becomes illegible, contact Reimann & Georger Corporation for a free replacement.

2.4. EQUIPMENT AND PERSONNEL SAFETY

1. Operators must be trained before operating this power drive. A trained person is one who has read and thoroughly understands this instruction manual and related equipment manuals and, through training and experience, has shown knowledge regarding the safe operational procedures.
2. Prior to setting up the power drive there must be a plan of action outlining the work to be accomplished, individual responsibilities, personal protective equipment, and method of communication.
3. All personnel shall be protected by OSHA compliant fall protection where applicable.
4. Never use the power drive or hoist structure to anchor lifelines, worker harnesses, or other attachments.
5. **Always** use safety footwear, safety glasses, and head protection devices.
6. A good line of communication must be maintained between the power drive operator and the roof crew.
7. Hoisting area is to be kept clear of unauthorized personnel at all times. Place barricades or secure the area in such a manner that if there were an equipment failure, no personnel would be injured.
8. Hoisting area is to be clear of power lines. Consult power company before you work near power lines.
9. Follow the Pre-Hoisting Checklist before operating.
10. Wear heavy leather gloves when handling wire rope. Inspect wire rope for damage, wear, or unraveling. Replace as necessary.
11. Check all hooks and sheaves. Replace as necessary.
12. Ensure all structural members of the power drive are free of defects and damage that may affect unit integrity.
13. Secure load before lifting.
14. Do not remove material from the platform until it has stopped completely.
15. Keep out from under a raised load.
16. Never stand in-line with the raising or lowering of the platform at either the top or bottom of the hoist track.
17. Never hoist over an open doorway.
18. Never exceed the Rated Load Capacity for the platform hoists. The Rated Load Capacity as posted on the platform is the maximum load that should ever be applied to the hoist.
19. Before lifting, ensure the safety latch on the hook is not supporting any load. Never hoist over an open doorway.
20. Avoid sudden stops and shock loads.

21. No person shall be allowed to ride on the hoist.
22. NEVER climb the track; use a ladder.
23. Check the hoist periodically during operation. Know how to stop the power drive quickly in case of emergency.
24. If the engine fails during operation, release control levers to prevent load from falling.
25. Do not attempt to make adjustments while the hoist is being operated.
26. Keep all body parts clear of moving parts.
27. Do not operate power drive when under the influence of drugs, alcohol, or medication.
28. At end of operation, the power drive and hoist should be secured to prevent unauthorized use. Never assume you will find the hoist in the same condition in which you left it.
29. Do not weld or otherwise modify the power drive. Such alterations may weaken the structural integrity of the power drive and invalidate your warranty.
30. Only trained personnel are authorized to do repairs.
31. Only trained personnel shall operate this equipment. A trained person is one who has read and thoroughly understands this instruction manual and related equipment manuals and, through training and experience, has shown knowledge regarding the safe operational procedures.
32. Obey all safety labels provided on your power drive. These labels warn you of potential hazards that can cause serious injury. If a label comes off or becomes hard to read, contact Reimann & Georger Corporation for a replacement.
33. Follow the Pre-hoisting Checklist in the front of this manual before operating.

3. SPECIFICATIONS

Part Number	0400800	0400900
Description	PHD-H Platform Hoist Drive	PHD-G Platform Hoist Drive
Gas Engine	3.2 HP Honda GX120	3 HP Briggs & Stratton 550 Series
Approx. LxWxH (in)	20x17x25	
Approx. dry weight	75 lb / 34 kg	
Wire rope	Ø5/32 7x19 galvanized aircraft cable	

Application	250 lb Track	400 lb Track
Max Load Weight	250 lb	400 lb
Track Width	17-1/2"	23-3/4"
Parts of line	2	3
Approx. lifting speed	138 ft/min	69 ft/min
Max lowering speed	60 ft/min	60 ft/min

Note that platform speed is based on 5/32 inch wire rope diameter. As wire rope builds up on drum, lifting speed increases and lifting capacity decreases in direct proportion to drum diameter.

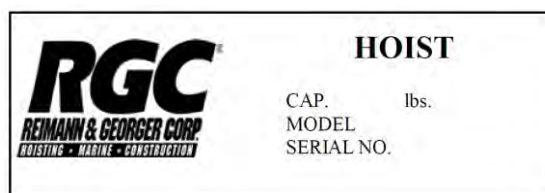
3.1. NAMEPLATE AND SERIAL NUMBER TAG

It is important to identify your power drive completely and accurately when ordering spare parts or requesting service. There is a product nameplate on the power drive frame, which shows the following information. Record it here for future reference.

MODEL _____

SERIAL NUMBER _____

CAPACITY RATING _____



3.2. OPTIONAL EQUIPMENT

The following platform options are available.

1. **Solar Panel Carrier** – securely hold up to 5” thick of solar panels
2. **Plywood/Truss Carrier** – ideal for 4’x8’ sheets
3. **Gravel Hopper (for 400 lb track only)**
4. **Roller Angle Guide (400 lb track only)** – moves roofing material away from the edge of the roof; especially useful on flat and shallow sloped roofs
5. **Pivoting platform hoist pivot track and platform** – a curved section of track to break over onto flat roofs

4. INSTALLATION AND SETUP

4.1. SAFETY



WARNING:

ENSURE THAT OSHA COMPLIANT FALL PROTECTION IS IN PLACE.



WARNING:

PRIOR TO SETTING UP THE HOIST THERE MUST BE A PLAN OF ACTION OUTLINING THE WORK TO BE ACCOMPLISHED, INDIVIDUAL RESPONSIBILITIES, PERSONAL PROTECTIVE EQUIPMENT, AND THE METHOD OF COMMUNICATION. FAILURE TO DO THIS CAN RESULT IN DEATH, SERIOUS PERSONAL INJURY OR EQUIPMENT FAILURE.



WARNING:

A GOOD LINE OF COMMUNICATION MUST BE MAINTAINED BETWEEN THE HOIST OPERATOR AND THE ROOF CREW.



WARNING:

NEVER CLIMB ON THE TRACK. THIS CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH. USE A LADDER.



WARNING:

THE HOISTING OPERATION MUST BE CLEAR OF ALL ELECTRICAL LINES AND OBSTRUCTIONS TO PREVENT EQUIPMENT DAMAGE AND/OR SERIOUS PERSONAL INJURY. CONSULT POWER COMPANY BEFORE WORKING NEAR POWER LINES.



WARNING:

WEAR HEAVY LEATHER GLOVES WHEN HANDLING WIRE ROPE. INSUFFICIENT HAND PROTECTION WHEN HANDLING WIRE ROPE CAN CAUSE SERIOUS PERSONAL INJURY.

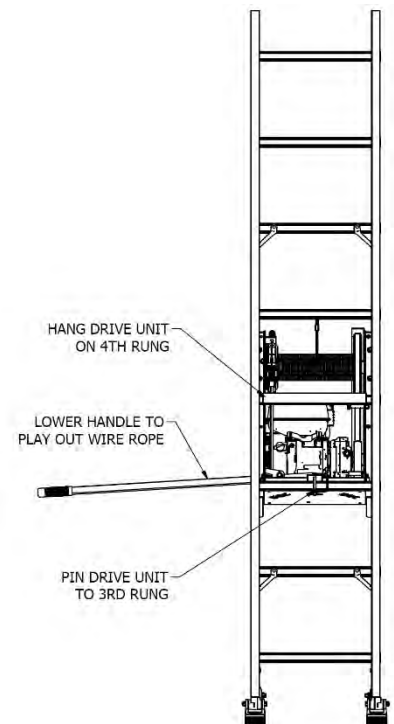


WARNING:

ENSURE THAT ALL BOLTS AND NUTS ARE TIGHTENED SECURELY TO PREVENT EQUIPMENT DAMAGE AND/OR SERIOUS INJURY.

4.2. Mounting the Power Drive

1. With the platform already installed on the base section of the track, assemble the rest of the track to the length required for the job. Tighten splice plates securely. Install the top bracket at the end of the track.
2. Fasten the control handle to the power drive.
3. Raise the handle and play out enough wire rope to reach the top bracket, run over the sheave and back down to the platform. For 250# units, the wire rope connects to the platform. For 400# units, run the wire rope over the platform sheave and back up to the top bracket. Refer to the Platform Hoist instructions for more detail at this time.
4. Raise the track, working safely and in accordance with the Platform Hoist instructions. The track is not a ladder. Never climb the track.
5. Hang the power drive from the 4th cross tie on the track as shown.
6. Center the drive between the track rails. Secure the drive to the 3rd rung with the provided retaining pin.



4.3. Gas Engine Startup



CAUTION:

GASOLINE ENGINES ARE SHIPPED WITHOUT OIL IN THE CRANKCASE. ATTEMPTING TO RUN THE ENGINE WITHOUT FILLING THE CRANKCASE AND TOPPING OFF THE REDUCER WITH OIL WILL CAUSE SERIOUS ENGINE DAMAGE AND MAY VOID THE WARRANTY.

Danger: Handle fuel with care. It is highly flammable. Use approved fuel container. Fill tank outdoors in a well ventilated area on a bare surface. Make sure the gas caps on the engine and fuel can are properly tightened. Ensure the fuel storage area is at least 10 feet from the power drive before starting the engine. Never remove the fuel cap or add fuel to a running or hot engine. Let the engine cool 2 minutes before fueling.

1. With the drive unit hanging from a track to ensure engine is level, check oil level in crankcase and gear reducer. Add oil, if required, before starting engine. Refer to engine manufacturer's instructions.
2. Check the engine air cleaner and intake screen.
3. Add fuel if required.
4. Cold start: Move choke control to choke position and throttle to halfway. Use the pull cord to start the engine and allow it to idle for a few minutes. When engine is warm, return choke to open or run position.
Hot start: With the choke in the open position and throttle about halfway, use the pull cord to start the engine. Allow the engine to idle for a minute or two before lifting a load.
5. Make a few dry runs with no load on the platform to familiarize yourself with the controls and to test for proper operation of the brake.

4.4. Control Lever Operation

1. Raise the handle to raise the load. Lower the handle to lower the load.
2. Lowering the handle releases the brake, allowing gravity to lower the platform. Lower the handle just enough to allow the load to descend, and feather the brake to maintain a safe descent speed, not to exceed 60 feet per minute.
3. Raising the handle engages the drive belt, transmitting power from the engine to the lifting cable. Raising the handle also releases the brake, to allow the platform to move. If the engine stalls, release the handle to engage the brake. Otherwise, the load will descend rapidly and may cause property damage and injury.
4. Do not allow the platform to strike the track shoes on descent. Do not allow the platform to jam against the top bracket. Doing so may cause the drive belt to become stuck in the sheave, preventing lowering of the platform.



WARNING:

IF THE ENGINE FAILS DURING OPERATION, RELEASE CONTROL LEVERS TO PREVENT LOAD FROM FALLING.

4.5. Shutdown

1. Ensure all tension has been removed from the wire rope. Secure the platform to the base of the track with a tie rope.
2. Ensure the track is securely tied to the roof to prevent from slipping. Check for power lines and obstructions.
3. Tie a safety line at least 5' long to the end of the wire rope to prevent accidentally drawing the operator's hand into the winch during re-winding.
4. Start the power drive and lift the handle to re-wind the wire rope. Verify the wire rope is winding evenly on the drum. As the wire rope approaches the end of the line, handle it only by the safety line.
5. Shut off power drive. Switch fuel valve to the "off" position.
6. Secure the wire rope to the drum with rope (such as the safety line) or tape.
7. Remove the drive unit from the track. Secure the unit to prevent unauthorized use. Never assume you will find the equipment in the same condition in which you left it.

5. INSPECTION AND MAINTENANCE

5.1. GENERAL MAINTENANCE RULES

1. Proper maintenance of the power drive and related equipment consists of adhering to all the guidelines given in this chapter and in the Pre-Hoisting Checklist in the front of this manual. Proper maintenance is required to maintain the system in good condition, which is defined as each part being free of rust or other corrosion, bends, breaks, or other defects.
2. Review and follow all the safety rules given in Chapter 1 before attempting any maintenance.
3. Only authorized personnel should be allowed in the maintenance area. Authorized personnel are the trained people as defined below and their supervision.
4. Repairs must be made only by trained personnel. A trained person is one who has read and thoroughly understands this instruction manual and related equipment manuals and, through training and experience, has shown knowledge regarding the safe operational procedures.
5. Do not weld or otherwise modify the power drive. Such alterations may weaken the structural integrity of the power drive and invalidate your warranty.



WARNING:

DURING ANY ERECTION, MAINTENANCE, OR REPAIR PROCEDURES, DO NOT ATTEMPT ANY HOISTING. THIS CAN CAUSE EQUIPMENT DAMAGE AND/OR SERIOUS PERSONAL INJURY.



WARNING:

EXCEPT FOR MAINTENANCE AND REPAIRS THAT CANNOT BE DONE OTHERWISE, SHUT DOWN AND LOCK OUT THE POWER DRIVE TO PREVENT ACCIDENTAL STARTUP.



WARNING:

NEVER CLIMB THE TRACK TO DO MAINTENANCE. THIS CAN LEAD TO SERIOUS PERSONAL INJURY.

5.2. INITIAL INSPECTION

Power drive assembly and disassembly, must be done by trained personnel only. Each time after setting up the hoist and before placing it in service, all parts of the hoist structure, power drive, and other equipment must be thoroughly inspected by trained personnel as described in the remainder of this chapter and related equipment manuals.

5.3. DAILY INSPECTION

It is important that all the maintenance procedures outlined in the Pre-Hoisting Checklist in the front of this manual be done daily. All broken, worn or defective parts must be repaired or replaced before startup.

5.4. BRAKE ADJUSTMENT

The brake is a spring-set, lever-released type. It is arranged so that the rotation of the engine works to loosen the brake band, allowing the platform to rise. If the brake spring is too tight, the engine may stall instead. If the spring is too loose, the platform may creep downward when fully loaded. As the brake shoe wears, it may be necessary to adjust the spring.

To adjust, first lower the platform fully and turn off the engine. Then loosen the jam nut, and turn the adjustment nut (#17 on Parts List) to compress or uncompress the spring. Re-tighten the jam nut against the adjustment nut once adjustment is complete.

The brake linkage loosens the brake band when the control handle is lowered. This should not need adjustment. It should be set so that the weight of the handle does not cause the platform to descent, but pushing the handle downward does.

5.5. CLUTCH (BELT TENSIONER)

The clutch needs no adjustment. The engine swings on a hinged plate. A spring pushes the plate up to make the drive belt loose, disengaging the engine and allowing the engine to idle when the platform is stopped. Raising the handle pushes the engine's drive pulley against the belt, engaging the engine to raise the platform.

5.6. SAFETY HOOKS

The hook to which the power drive wire rope is attached will be either the platform safety hook on the 250lb. model or the top bracket hook on the 400lb. model. If these hooks should become broken, bent, or disassembled, they should be replaced immediately.

5.7. OILING MECHANICAL PARTS

The drum bearings are lubricated for life and need no attention. Oil all pivots and linkage joints occasionally.

5.8. ENGINE OIL REQUIREMENTS

Refer to the engine manufacturer's documentation for engine oil and gear reducer oil requirements.



CAUTION:

GASOLINE ENGINES ARE SHIPPED WITHOUT OIL IN THE CRANKCASE. ATTEMPTING TO RUN THE ENGINE WITHOUT FILLING THE CRANKCASE AND REDUCER WITH OIL WILL CAUSE SERIOUS ENGINE DAMAGE AND MAY VOID THE WARRANTY.

5.9. ENGINE MAINTENANCE

The engine is guaranteed against defects by its manufacturer. Follow the manufacturer's instructions for proper lubrication and maintenance. The following table summarizes the type and frequency of maintenance required. Follow the hourly or calendar intervals, whichever occurs first. For repairs, contact the nearest authorized service center.

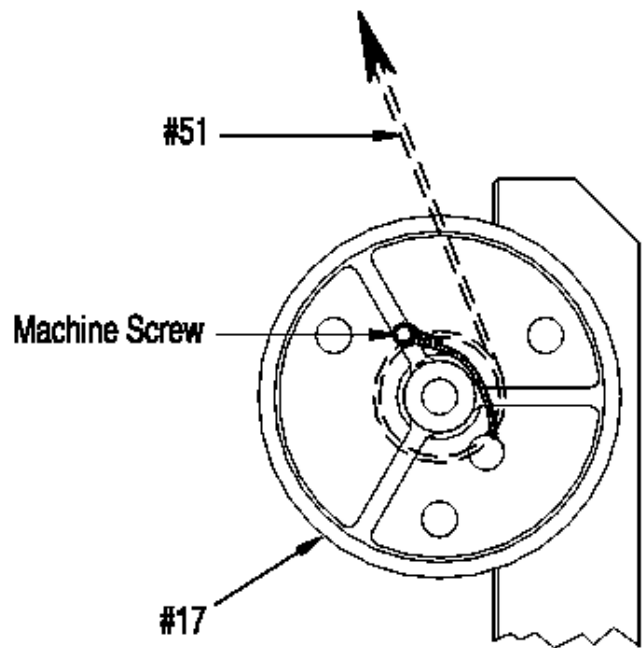
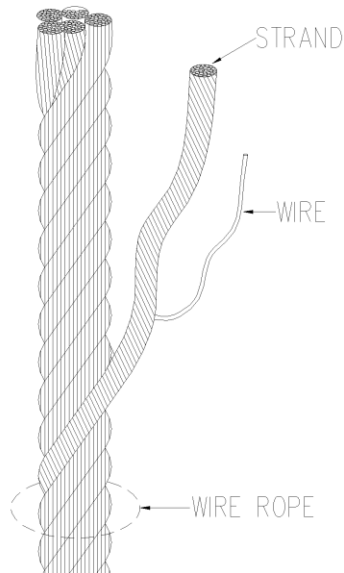
TYPE OF MAINTENANCE	FREQUENCY OF SERVICE
Check oil level	Every 5 hours or daily
Change oil	After first 5 hours, then after every 50 hours or every season. Change oil every 25 hours when operating under heavy load or in high temperatures.
Change oil in gear reduction	100 hours or every season
Service air cleaner pre-cleaner if equipped, or air cleaner cartridge if not equipped with pre-cleaner.	25 hours or every season. Clean more often under dusty conditions or when airborne debris is present. Replace air cleaner parts if very dirty.
Service air cleaner cartridge if equipped with pre-cleaner.	100 hours or every season. Clean more often under dusty conditions or when airborne debris is present. Replace air cleaner parts if very dirty.
Clean cooling system.	100 hours or every season. Clean more often under dusty conditions or when airborne debris is present. Replace air cleaner parts if very dirty.
Inspect spark arrester, if equipped.	50 hours or every season.
Replace or clean spark plug.	100 hours or every season.
Clean combustion chamber deposits.	100-300 hours.

5.10. WIRE ROPE INSPECTION

Inspect the wire rope prior to each use and at least daily for signs of wear, damage, or pinching. Inspect the entire wire rope working length. Thoroughly inspect the rope sections that pass over sheaves or drums, or that make opposing turns. Inspect wire rope and end attachments carefully. While inspecting, examine sheaves, guards, guides, drums, flanges, and other surfaces contacting wire rope during operation. Correct any condition harming the rope in use or other damage or worn surfaces at this time.

Remove or replace immediately wire rope with one or more of the following defects:

1. Corrosion
2. Broken wires:
 - (a) One or more valley breaks. A valley break is a wire break occurring in the valley between two adjacent strands.
 - (b) Six randomly distributed broken wires in one rope lay. A rope lay is the length of rope along which one strand makes a complete revolution around the rope. See Figure 6-2. Keeping the rope clean and wound evenly on the drum will increase its life and efficiency.
3. Abrasion: Scrubbing, flattening or peening causing loss of more than one-third of the original diameter of the outside wires.
4. Kinking: Severe kinking, crushing, bird caging or other damage causing distortion of the rope structure. Bird caging is a bulging in the wire rope caused by the individual wires becoming untwisted. This untwisting of individual wires is usually caused by impact loading on the wire rope (such as a sudden stop).
5. Heat damage: Evidence of any heat damage caused by a torch or by contact with electrical wires.
6. Reduction of more than 1/64 inch from a nominal 5/16-inch or less diameter wire rope.



5.11. REPLACING WIRE ROPE

Each end of the hoist wire rope is equipped with loops. The small loop is attached to the brake drum by passing it through the hole and bending it back against the pull or load. It is fastened to the drum with the screw provided. The large loop is used for attaching loads with a shackle and hook. On platform units, the hook is mounted on the platform or top bracket, and the loop is slipped over the hook.

6. TROUBLESHOOTING

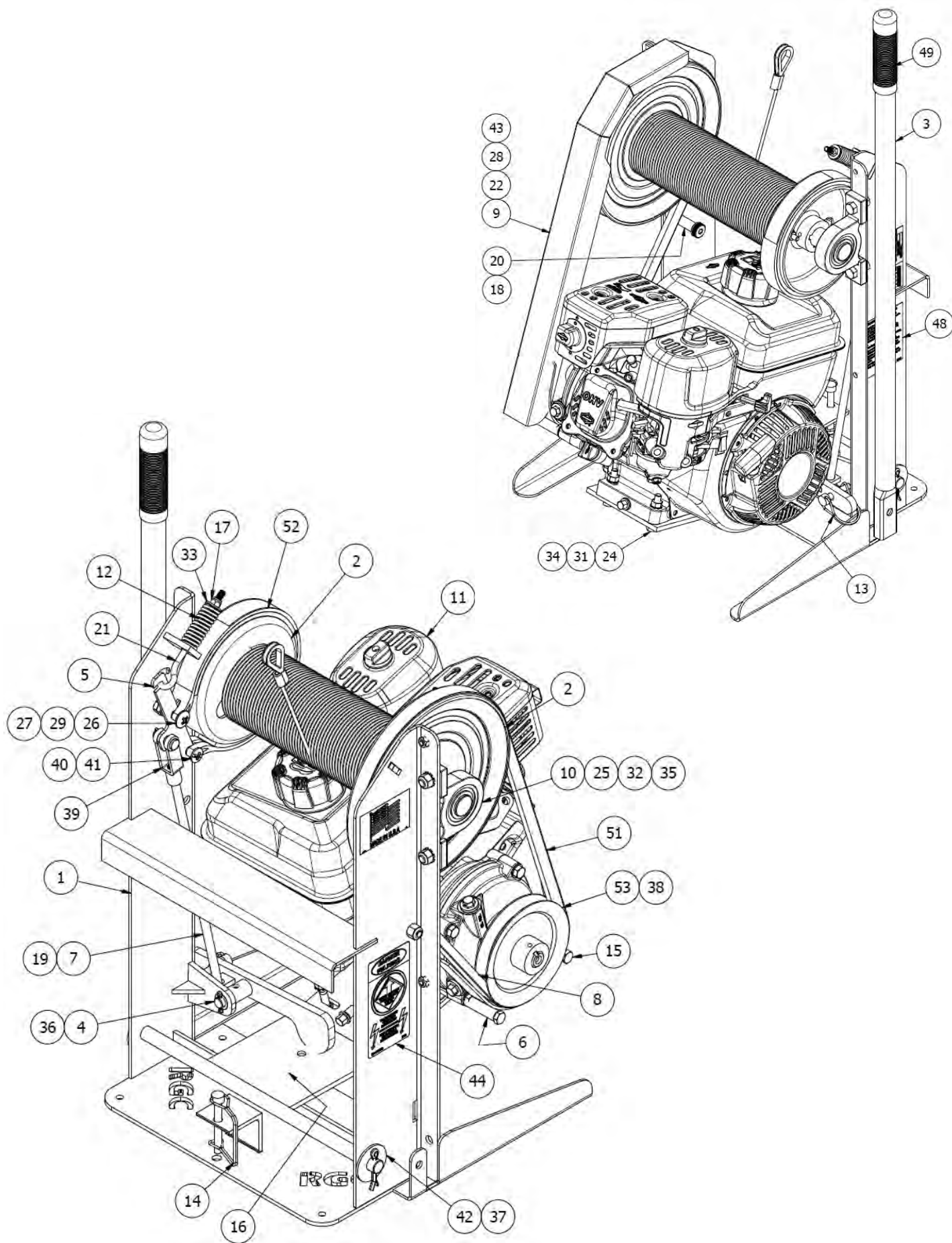
The following chart is intended to assist with troubleshooting the power drive. While not all inclusive, the chart outlines the most common causes of a problem and the recommended course of action.

The troubleshooting guide for the associated platform hoist is in the instruction manual specifically for that unit.

SYMPTOM	CAUSE AND CORRECTIVE ACTION
Gas engine will not start	Fuel shut off in OFF position—turn ON Engine switch in OFF position—turn ON Air filter clogged—replace filter 1. Too much oil in crankcase—pistons can't come back down which can saturate air filter with oil. 2. Tipping the engine, allowing oil to run up the relief tube. 3. Air filter dirty after normal use. Clogged fuel line—replace fuel filter.
Drive unit won't lift load or is lifting it very slowly.	No oil in engine to build compression—must add oil. Check piston rings for compression. Hoist attempting to lift more than stated capacity of unit—check capacity rating and reduce load weight as needed Brake is dragging—adjust brake Platform not moving freely—check for track obstructions or issues with wire rope and block Engine related problems—refer to engine manufacturer's manual Engine speed too slow—increase throttle position (rabbit/turtle lever) Too much wire rope on drum—hoisting capacity decreases as wire rope diameter increases.
Engine stalls when handle is lifted	Brake is releasing after drive belt is tightened—adjust brake.
Power Drive will not lower platform.	Platform has been allowed to jam against the spring stops on the top bracket causing the drive belt to jam in the drum sheave—shut off the gas engine. Then release the jammed belt by inserting a screw driver between the belt and the sheave groove.
Load drifts down.	Remove the load, then adjust brake. Brake is worn – replace brake band.

7. PARTS LISTS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	0400706	FRAME, PHD	1
2	0400715	DRUM ASSY, PHD	1
3	0404403	CONTROL HANDLE	1
4	0404415	CLUTCH/BRAKE LEVER, PHD	1
5	0404416	BRAKE LEVER, PHD	1
6	0404429	BELT GUIDE, PHD	1
7	0404430	ROD, THREADED, 3/8-16 x 13-1/2", CZP	1
8	0404500	MOUNT, ENGINE, PHD	1
9	0405418	DRIVE BELT GUARD PHD	1
10	5100718	BEARING PB100 X 1	2
11	Varies	ENGINE (Briggs X550 or Honda GX120)	1
12	5800131	BRAKE SPRING.687OD X .120W X 2	1
13	5800138	PIN, CLEVIS 5/16 x 1-1/4 ROUND SNAP	1
14	5800142	PIN, CLEVIS 5/16 x 2-1/4 ROUND SNAP	1
15	5803530	HHCS M8 X 80mm	2
16	5804133	SPRING, ENGINE MOUNT, 1.20D X ,165W X 2.5	1
17	5806131	NUT HEX NYLOCK 1/4-20 CZP	1
18	5806141	NUT HEX NYLOCK 3/8-16 CZP	1
19	5806149	NUT HEX FLANGED 3/8-16 CENTERLOCK	1
20	5806162	SCREW SOC HD SHOULDER 1/2 X 2 X 3/8-16	1
21	5806167	BOLT EYE 1/4-20 X 5 REG.NUT	1
22	5806202	HHCS 1/4-20 X 1/2 CZP	2
24	5806227	HHCS 5/16-18 X 1-3/4 CZP	4
25	5806247	HHCS 3/8-16 X 1 CZP	4
26	5806358	SCREW, TRUSS HD, 3/8-16 X 2 18-8SS	1
27	5806362	NUT, HEX, THIN, 3/8-16 CZP	2
28	5806366	NUT HEX TOPLOCK 1/4-20 CZP/YZP	2
29	5806368	NUT HEX TOPLOCK 3/8-16 CZP	1
31	5806375	NUT HEX 5/16-18 CZP	4
32	5806377	NUT HEX 3/8-16 CZP	4
33	5806392	WASHER FLAT USS 1/4" CZP	1
34	5806402	WASHER FLAT EXT TOOTH 5/16" CZP	4
35	5806407	WASHER FLAT EXT TOOTH 3/8 CZP	4
36	5806421	PIN,COTTER 1/8 X 3/4 CZP	1
37	5806423	PIN,COTTER 3/16 X 1-1/2 CZP	2
38	5806456	KEY MACHINE 3/16X3/16X3/4	1
39	5821005	ROD END, CLEVIS, 3/8-16, 3/8 PIN	1
40	5839952	SCREW 3/8" BIND POST 5/16-18X1 CZP	1
41	5839953	SCREW, BINDING, 5/16-18 X 5/16	1
42	5896415	WASHER FLAT USS 5/8 SS	2
43	6200041	DECAL, PWR DRIVE, PHD	1
44	6200053	"DANGER" DECAL	1
46	6205685	DECAL "MADE IN USA"	1
47	6210364	DECAL "WARNING HOT SURFACE"	1
48	6215679	DECAL PHD HOIST SAFETY RULE	1
49	6400143	GRIP RED 1"	1
51	6700745	BELT V B45 (BROWNING)	1
52	7300175	BRAKE BAND, 6"	1
53	7300732	SHEAVE BK52 X 3/4	1



LIMITED PRODUCT WARRANTY

Reimann & Georger Corporation

LIMITED WARRANTY

Reimann & Georger Corporation (the "Manufacturer") warrants to the original purchaser (the "Buyer") that all Reimann & Georger Hoisting and Construction products shall be free of defects in material and workmanship for a period of one (1) year from date of original purchase.

MANUFACTURER'S OBLIGATIONS

The Manufacturer's sole obligation under this Limited Warranty is the repair or, at the Manufacturer's discretion, the replacement of parts found to be defective. Parts and equipment must have authorization from the Manufacturer prior to return to the Manufacturer or repair by an authorized service person. Costs of transportation and other expenses connected with replacing or repairing parts are not covered under this Limited Warranty.

PARTS MANUFACTURED BY OTHERS

This Limited Warranty does not cover any parts manufactured by others. Such parts are subject to the warranty, if any, of their respective manufacturers, and are to be repaired only by a respective authorized service person for such parts. The Manufacturer shall have no obligation to undertake repairs of parts manufactured by others.

NO SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES

IN NO EVENT SHALL THE MANUFACTURER BE LIABLE TO THE BUYER OR ANY OTHER PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL LOSSES OR DAMAGES CONNECTED WITH THE USE OF THE PRODUCT UNDER THIS LIMITED WARRANTY. SUCH DAMAGES FOR WHICH THE MANUFACTURER SHALL NOT BE RESPONSIBLE INCLUDE, BUT ARE NOT LIMITED TO, LOST TIME AND CONVENIENCE, LOSS OF USE OF THE PRODUCT, THE COST OF A PRODUCT RENTAL, COSTS OF GASOLINE, TELEPHONE, TRAVEL, OR LODGING, THE LOSS OF PERSONAL OR COMMERCIAL PROPERTY, AND THE LOSS OF REVENUE.

NO LIABILITY IN EXCESS OF PURCHASE PRICE

IN NO EVENT SHALL THE MANUFACTURER'S OBLIGATIONS UNDER THIS LIMITED WARRANTY EXCEED THE PURCHASE PRICE OF THE PRODUCT.

NO EXTENSION OF STATUTE OF LIMITATIONS

ANY REPAIRS PERFORMED UNDER THIS WARRANTY SHALL NOT IN ANY WAY EXTEND THE STATUTES OF LIMITATIONS FOR CLAIMS UNDER THIS LIMITED WARRANTY.

WAIVER OF OTHER WARRANTIES

THE EXPRESS WARRANTIES SET FORTH IN THIS LIMITED WARRANTY ARE IN LIEU OF AND EXCLUDE ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

PROCEDURE FOR WARRANTY PERFORMANCE

If the product fails to perform to the Manufacturer's specifications, the Buyer must provide the Manufacturer with the applicable model and serial numbers, the date of purchase, and the nature of the problem.

ADDITIONAL EXCLUSIONS FROM THIS LIMITED WARRANTY. THIS LIMITED WARRANTY DOES NOT COVER ANY OF THE FOLLOWING:

1. Equipment which has been abused, damaged, used beyond rated capacity, or repaired by persons other than authorized service personnel.
2. Damage caused by acts of God which include, but are not limited to, hailstorms, windstorms, tornadoes, sandstorms, lightning, floods, and earthquakes.
3. Damage under conditions caused by fire or accident, by abuse or by negligence of the user or any other person other than the Manufacturer, by improper installation, by misuse, by incorrect operation, by "normal wear and tear", by improper adjustment or alteration, by alterations not completed by authorized service personnel, or by failure of product parts from such alterations.
4. Costs of repairing damage caused by poor or improper maintenance, costs of normally scheduled maintenance, or the cost of replacing any parts unless done as the result of an authorized repair covered by the one (1) year Limited Warranty.
5. Costs of modifying the product in any way once delivered to the Buyer, even if such modifications were added as a production change on other products made after the Buyer's product was built.

NO AUTHORITY TO ALTER THIS LIMITED WARRANTY

No agent, representative, or distributor of the Manufacturer has any authority to alter the terms of this Limited Warranty in any way.