

RentalPro 360G 255667, Airless Sprayers

312520D

EN

**For Portable Airless Spraying of Architectural Coatings and Paints.
Not approved for use in European explosive atmosphere locations.**

3300 psi (22.8 MPa, 228 bar) Maximum Working Pressure



Important Safety Instructions

Read all warnings and instructions in this manual. Save these instructions.

Korean patent: 10-0647761

Related Manuals



312521

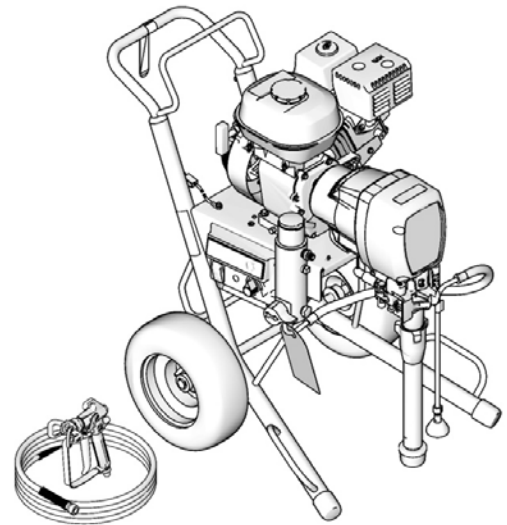


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310894



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Warning

The following are general warnings related to the setup, use, maintenance and repair of this equipment. Additional, more specific, warnings may be found throughout the text of this manual, where applicable.

 WARNING	
	<p>FIRE AND EXPLOSION HAZARD</p> <p>Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:</p> <ul style="list-style-type: none"> • Use equipment only in well ventilated area. • Do not fill fuel tank while engine is running or hot; shut off engine and let it cool. Fuel is flammable and can ignite or explode if spilled on hot surface. • When flammable liquid is sprayed or used for flushing or cleaning, keep sprayer at least 20 feet (6 m) away from explosive vapors. • Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static arc). • Keep work area free of debris, including solvent, rags and gasoline. • Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present. • Ground equipment and conductive objects in work area. See Grounding instructions. • Use only grounded hoses. • Hold gun firmly to side of grounded pail when triggering into pail. • If there is static sparking or you feel a shock, stop operation immediately. Do not use equipment until you identify and correct the problem.
	<p>SKIN INJECTION HAZARD</p> <p>High-pressure fluid from gun, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. Get immediate surgical treatment.</p> <ul style="list-style-type: none"> • Do not point gun at anyone or at any part of the body. • Do not put your hand over the spray tip. • Do not stop or deflect leaks with your hand, body, glove, or rag. • Do not spray without tip guard and trigger guard installed. • Engage trigger lock when not spraying. • Follow Pressure Relief Procedure in this manual, when you stop spraying and before cleaning, checking, or servicing equipment.
	<p>PRESSURIZED EQUIPMENT HAZARD</p> <p>Fluid from the gun/dispense valve, leaks, or ruptured components can splash in the eyes or on skin and cause serious injury.</p> <ul style="list-style-type: none"> • Follow Pressure Relief Procedure in this manual, when you stop spraying and before cleaning, checking, or servicing equipment. • Tighten all fluid connections before operating the equipment. • Check hoses, tubes, and couplings daily. Replace worn or damaged parts immediately.
	<p>MOVING PARTS HAZARD</p> <p>Moving parts can pinch or amputate fingers and other body parts.</p> <ul style="list-style-type: none"> • Keep clear of moving parts. • Do not operate equipment with protective guards or covers removed. • Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the Pressure Relief Procedure in this manual. Disconnect power or air supply.

 WARNING	
	<p>EQUIPMENT MISUSE HAZARD</p> <p>Misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals. Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. Check equipment daily. Repair or replace worn or damaged parts immediately. Do not alter or modify equipment. Do not install a shut-off device between filter outlet and gun. Use equipment only for its intended purpose. Call your Graco distributor for information. Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not use hoses to pull equipment. Keep children and animals away from work area. Comply with all applicable safety regulations.
	<p>PRESSURIZED ALUMINUM PARTS HAZARD</p> <p>Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment. Such use can cause serious chemical reaction and equipment rupture, and result in death, serious injury, and property damage.</p>
	<p>SUCTION HAZARD</p> <p>Never place hands near the pump fluid inlet when pump is operating or pressurized. Powerful suction could cause serious injury.</p>
	<p>CARBON MONOXIDE HAZARD</p> <p>Exhaust contains poisonous carbon monoxide, which is colorless and odorless. Breathing carbon monoxide can cause death. Do not operate in an enclosed area.</p>
	<p>TOXIC FLUID OR FUMES HAZARD</p> <p>Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.</p> <ul style="list-style-type: none"> Read MSDS's to know the specific hazards of the fluids you are using. Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.
	<p>BURN HAZARD</p> <p>Equipment surfaces and fluid that's heated can become very hot during operation. To avoid severe burns, do not touch hot fluid or equipment. Wait until equipment/fluid has cooled completely.</p>
	<p>PERSONAL PROTECTIVE EQUIPMENT</p> <p>You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. This equipment includes but is not limited to:</p> <ul style="list-style-type: none"> Protective eyewear Clothing and respirator as recommended by the fluid and solvent manufacturer Gloves Hearing protection
	<p>RECOIL HAZARD</p> <p>Brace yourself; gun may recoil when triggered and cause you to fall, which could cause serious injury.</p>

Maintenance

Pressure Relief Procedure

Read Skin Injection Hazard, page 3; Burn Hazard, page 4						

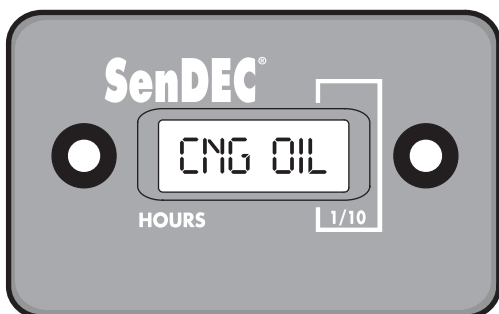
1. Lock gun trigger safety.
2. Turn engine ON/OFF switch to OFF.
3. Move pump switch to OFF and turn pressure control knob fully counterclockwise.
4. Unlock trigger safety. Hold metal part of gun firmly to side of grounded metal pail, and trigger gun to relieve pressure.
5. Lock gun trigger safety.
6. Open pressure drain valve. Leave valve open until ready to spray again.

If you suspect that the spray tip or hose is completely clogged, or that pressure has not been fully relieved after following the steps above, VERY SLOWLY loosen tip guard retaining nut or hose end coupling to relieve pressure gradually, then loosen completely. Now clear tip or hose.

NOTICE
For detailed engine maintenance and specifications, refer to separate Honda Engines Owner's Manual, supplied.

Sendec Hour Meter

A Sendec Hour Meter has been installed on the rental washer to monitor the number of hours the rental washer has been used. After 25 hours the display will begin to flash and the message "change oil" will display. Reset meter using reset key or a magnet.



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Maintenance Chart

Interval	What to do
Daily	Check engine oil level and fill as necessary.
	Check hose for wear and damage.
	Check that all hose fittings are secure.
	Check gun safety for proper operation.
	Check pressure drain valve for proper operation.
	Check and fill the gas tank.
	Check level of TSL in displacement pump packing nut. Fill nut, if necessary. Keep TSL in nut to help prevent fluid buildup on piston rod and premature wear of packings and pump corrosion.
After the first 20 hours of operation	Drain engine oil and refill with clean oil. Reference Honda Engines Owner's Manual for correct oil viscosity.
After each 50 hours of operation	Replace pump. See pump manual 310894.
Weekly	Remove engine air filter cover and clean element. Replace element, if necessary. If operating in an unusually dusty environment: check filter daily and replace, if necessary. Replacement elements can be purchased from your local HONDA dealer.
After each 100 hours of operation	Change engine oil. Reference Honda Engines Owner's Manual for correct oil viscosity.

SPARK PLUG: Use only BPR6ES (NGK) or W20EPR-U (NIPPONDENSO) plug. Gap plug to 0.028 to 0.031 in. (0.7 to 0.8 mm). Use spark plug wrench when installing and removing plug.

Premium Sprayers Engine Oil Funnel:

Use the supplied engine oil funnel when draining oil.

Troubleshooting

Problem	Cause	Solution
Engine will not start	Engine switch is OFF	Turn engine switch ON
	Engine is out of gasoline	Refill gas tank. Honda Engines Owner's Manual.
	Engine oil level is low	Try to start engine. Replenish oil, if necessary. Honda Engines Owner's Manual.
	Spark plug is disconnected or damaged	Connect spark plug cable or replace spark plug
	Cold engine	Use choke
	Fuel shutoff lever is OFF	Move lever to ON position
	Oil is seeping into combustion chamber	Remove spark plug. Pull starter 3 to 4 times. Clean or replace spark plug. Start engine. Keep sprayer upright to avoid oil seepage
Engine operates, but displacement pump does not operate	Error code displayed	Reference Pressure Control repair, page 13 in manual 312521.
	Pump switch is OFF	Turn pump switch ON
	Pressure setting too low	Turn pressure adjusting knob clockwise to increase pressure.
	Fluid filter (56) is dirty	Clean filter. Page 21 in manual 312521.
	Tip or tip filter is clogged	Clean tip or tip filter. Manual 311861.
	Displacement pump piston rod is stuck due to dried paint	Repair pump. Manual 310894.
	Connecting rod is worn or damaged	Replace connecting rod. Page 8 in manual 312521.
	Drive housing is worn or damaged	Replace drive housing. Page 9 in manual 312521.
	Electrical power is not energizing clutch field	<p>Check wiring connections. Page 12 in manual 312521.</p> <p>Reference wiring diagram. Page 22 in manual 312521.</p> <p>With pump switch ON and pressure turned to MAXIMUM, use a test light to check for power between clutch test points on control board.</p> <p>Remove clutch wires from control board and measure resistance across clutch coil. At 70° F, the resistance must be between 1.2 +0.2Ω; if not, replace pinion housing.</p> <p>Have pressure control checked by authorized Graco dealer</p>
	Clutch is worn, damaged, or incorrectly positioned	Adjust or replace clutch. Page 10 in manual 312521.
Pinion assembly is worn or damaged	Repair or replace pinion assembly. Page 10 in manual 312521.	

Problem	Cause	Solution
Pump output is low	Strainer (82) is clogged	Clean strainer.
	Piston ball is not seating	Service piston ball. Manual 310894.
	Piston packings are worn or damaged	Replace packings. Manual 310894.
	O-ring in pump is worn or damaged	Replace o-ring. Manual 310894.
	Intake valve ball is not seating properly	Clean intake valve. Manual 310894.
	Intake valve ball is packed with material	Clean intake valve. Manual 310894.
	Engine speed is too low	Increase throttle setting. Manual 312521.
	Clutch is worn or damaged	Adjust or replace clutch. Page 10 in manual 312521.
	Pressure setting is too low	Increase pressure. Manual 312521.
	Fluid filter (56), tip filter or tip is clogged or dirty	Clean filter. Manual 312521 or 311861.
	Large pressure drop in hose with heavy materials	Use larger diameter hose and/or reduce overall length of hose. Use of more than 100 ft of 1/4 in. hose significantly reduces performance of sprayer. Use 3/8 in. hose for optimum performance (50 ft minimum).
Excessive paint leakage into throat packing nut	Throat packing nut is loose	Remove throat packing nut spacer. Tighten throat packing nut just enough to stop leakage.
	Throat packings are worn or damaged	Replace packings. Manual 310894.
	Displacement rod is worn or damaged	Replace rod. Manual 310894.
Fluid is spitting from gun	Air in pump or hose	Check and tighten all fluid connections. Rep- rime pump. Manual 312521.
	Tip is partially clogged	Clear tip. Manual 311861.
	Fluid supply is low or empty	Refill fluid supply. Prime pump. Manual 312521. Check fluid supply often to prevent running pump dry.
Pump is difficult to prime	Air in pump or hose	Check and tighten all fluid connections. Reduce engine speed and cycle pump as slowly as possible during priming.
	Intake valve is leaking	Clean intake valve. Be sure ball seat is not nicked or worn and that ball seats well. Reassemble valve.
	Pump packings are worn	Replace pump packings. Manual 310894.
	Paint is too thick	Thin the paint according to the supplier's recommendations
	Engine speed is too high	Decrease throttle setting before priming pump. Manual 312521.
Clutch squeaks each time clutch engages	Clutch surfaces are not matched to each other when new and may cause noise	Clutch surfaces need to wear into each other. Noise will dissipate after a day of run time.
High engine speed at no load	Misadjusted throttle setting	Reset throttle to 3300 engine rpm at no load.
	Worn engine governor	Replace or service engine governor
Hour Meter flashing "CHG OIL"	Unit requires service	See maintenance chart for scheduled maintenance interval on page 5.

Bearing Housing and Connecting Rod

Removal

Read Skin Injection Hazard, page 3; Burn Hazard, page 4						

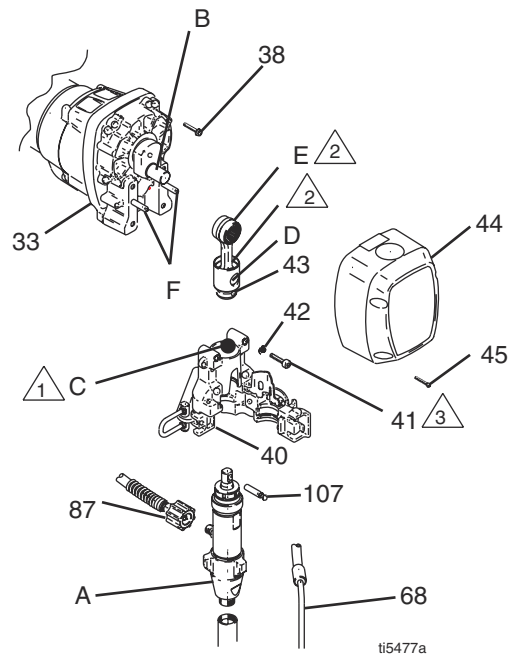
1. Relieve pressure; page 5.
2. FIG. 1. Remove four screws (45) and front cover (44)
3. Remove pump. Refer to **Displacement Pump, Removal**, page 15.
4. Remove four screws (41) and washers (42) from bearing housing (40).
5. Pull connecting rod (43) and lightly tap lower rear of bearing housing with plastic mallet to loosen from drive housing (33). Pull bearing housing and connecting rod assembly off drive housing.
6. Inspect crank (B) and connecting rod (43) for excessive wear and replace parts as needed.

Installation

1. Evenly lubricate inside of bronze bearing (C) in bearing housing (40) with high-quality motor oil. Liberally pack top roller bearing (E), lower bearing (D) inside connecting rod (43) with bearing grease.
2. Assemble connecting rod (43) to bearing housing (40). Rotate connecting rod to lowest position.
3. Clean mating surfaces of bearing and drive housings.
4. Align connecting rod with crank (B) and carefully align locating pins (F) in drive housing (33) with holes in bearing housing (40). Push bearing housing onto drive housing or tap into place with plastic mallet.

NOTICE
DO NOT use bearing housing screws (41) to align or seat bearing housing with drive housing. Align these parts with locating pins, to avoid premature bearing wear.

5. Install screws (41) and washers (42) in bearing housing.
6. Install pump. Refer to **Displacement Pump, Installation**, page 14.



- Oil
- Pack with bearing grease 114819
- Torque to 200 in-lb (22.6 N.M)

FIG. 1

Drive Housing

Removal

Read Skin Injection Hazard, page 3; Burn Hazard, page 4					

1. Relieve pressure; page 5.
2. Remove bearing housing. Refer to **Bearing Housing and Connecting Rod, Removal**, page 8.

NOTICE

Thrust washers may stick to grease inside of drive housing. Do not lose or misplace.

3. Remove six screws (38).
4. Lightly tap around drive housing (33) to loosen drive housing. Pull drive housing straight off pinion housing. Be prepared to support combination gear (32) which may also come out.

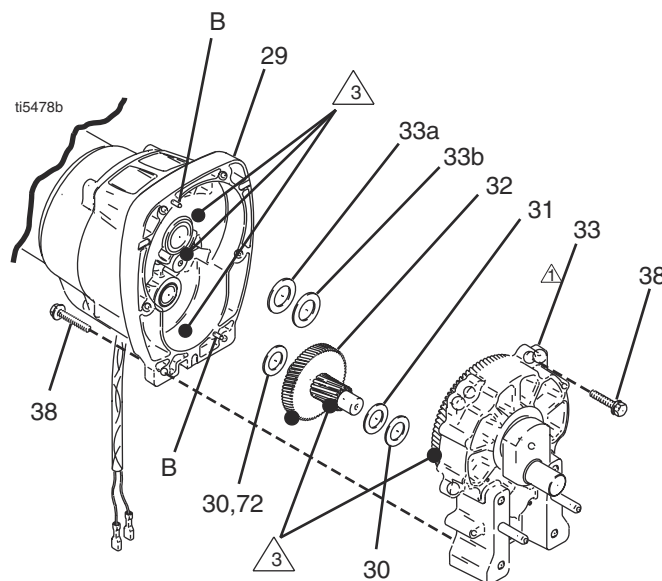
Installation

1. FIG. 2. Apply all grease supplied with replacement gear cluster to gear teeth and to areas called out by note 3.
2. FIG. 3. Ensure thrust washers (30, 31, 72) are on combination gear (32) and washers (Fig. 2; 33a, 33b) are on crankshaft of drive housing (33) as shown.
3. Clean mating surfaces of pinion and drive housings.
4. Align gears and push new drive housing straight onto pinion housing (29) and locating pins (B).
5. Install six screws (38).
6. Install bearing housing. Refer to **Bearing Housing and Connecting Rod, Installation**, page 8.

NOTICE

DO NOT use drive housing screws (38) to align or seat drive housing with pinion housing. Align these parts with locating pins, to avoid premature bearing wear.

7. Install screws (38) in drive housing. Torque evenly to note 3 value in FIG. 2.
8. Install pump. Refer to **Displacement Pump, Installation**, page 14.



- Torque to 140 ±10 in-lb (15.8 ±1.1N.m)
- Pack with grease 114819

FIG. 2

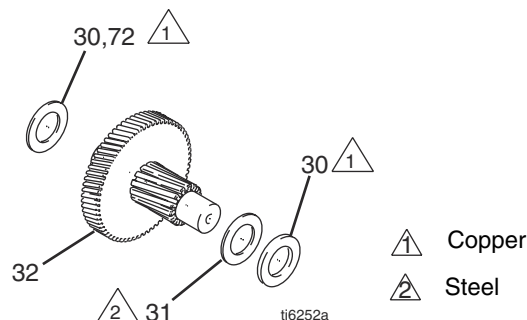


FIG. 3

Pinion Assembly/Clutch Armature/Clamp

Pinion Assembly/Clutch Armature Removal

Pinion Assembly

If pinion assembly (29) is not removed from clutch housing (19), do 1. through 3. Otherwise, start at 4.



1. Remove drive housing; page 9.
2. FIG. 4. Disconnect clutch cable connectors from inside of pressure control.
 - a. FIG. 14. Remove two screws (71) and swing down cover (130a).
 - b. Disconnect engine leads from board to engine.
 - c. Remove strain reliefs 130r and 123.
3. FIG. 4. Remove four screws (36) and pinion assembly (29).

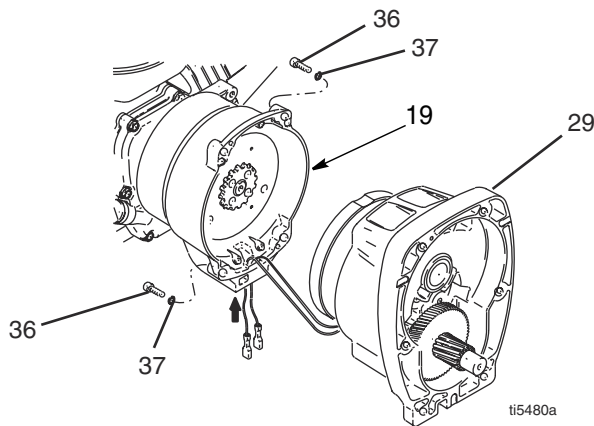


FIG. 4

4. FIG. 5. Place pinion assembly (29) on bench with rotor side up.
5. Remove four screws (28) and lock washers (24). Install two screws in threaded holes (E) in rotor. Alternately tighten screws until rotor comes off.

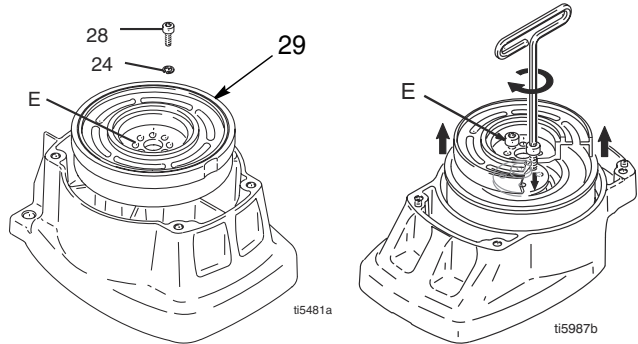


FIG. 5

6. FIG. 6. Remove retaining ring (29b).
7. Turn pinion assembly over and tap pinion shaft (29a) out with plastic mallet.

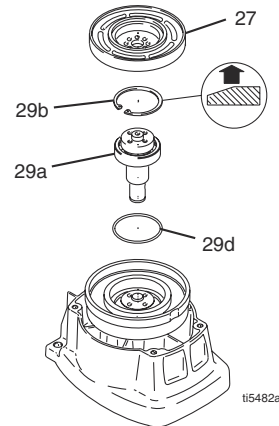


FIG. 6

Clutch Armature

8. FIG. 7. Use an impact wrench or wedge something between clutch armature (25) and clutch housing to hold engine shaft during removal.
9. Remove four screws (23) and lock washers (24).
10. Remove armature.

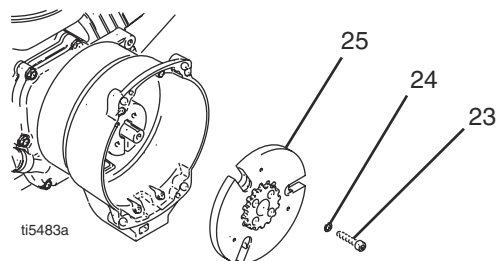


FIG. 7

Installation

Clutch Armature

1. FIG. 8. Lay two stacks of two dimes on smooth bench surface.
2. Lay armature (25) on two stacks of dimes.
3. Press center of hub (26) down to bench surface.

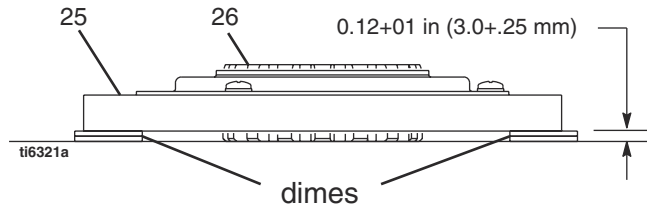
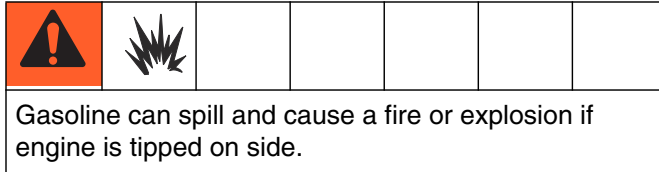


FIG. 8

Clamp Removal

1. Do **Engine Removal**.



2. Drain gasoline from tank according to Honda manual.
3. FIG. 9. Tip engine on side so gas tank is down and air cleaner is up.
4. FIG. 10. Loosen two screws (24) on clamp (22),
5. Push screwdriver into slot in clamp (22) and remove clamp.

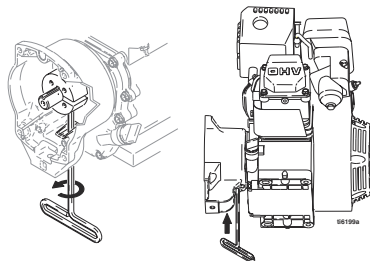


FIG. 9

Clamp Installation

1. FIG. 10. Install engine shaft key (18)
2. Tap clamp (22) onto engine shaft (A). Maintain dimension shown note 2. Chamfer must face engine.
3. Check dimension: Place rigid, straight steel bar (B) across face of clutch housing (19). Use accurate measuring device to measure distance between bar and face of clamp. Adjust clamp as necessary. Torque two screws (24) to 125 ±10 in-lb (14 ±1.1 N-m)

4. Install armature (25) on engine drive shaft.
5. Install four screws (23) and lock washers (24) with torque of 125 in-lb.

Pinion Assembly

6. FIG. 6. Check o-ring (29d) and replace if missing or damaged.
7. Tap pinion shaft (29a) in with plastic mallet.
8. Install retaining ring (29b) with beveled side facing up.
9. FIG. 5. Place pinion assembly on bench with rotor side up.
10. Apply Loctite® to screws. Install four screws (28) and lock washers (24). Alternately torque screws to 125 in-lb until rotor is secure. Use threaded holes to hold rotor.
11. FIG. 4. Install pinion assembly (29) with four screws (36) and washers (37).
12. FIG. 14. Connect clutch cable connectors to inside of pressure control.

⚠ Face of clutch housing

⚠ 1.550 ± 0.010 in. (39.37 ± 0.25 mm)

⚠ Torque to 125 ± 0.10 in-lb (14 ± 1.1 N-m)

⚠ Chamfer this side

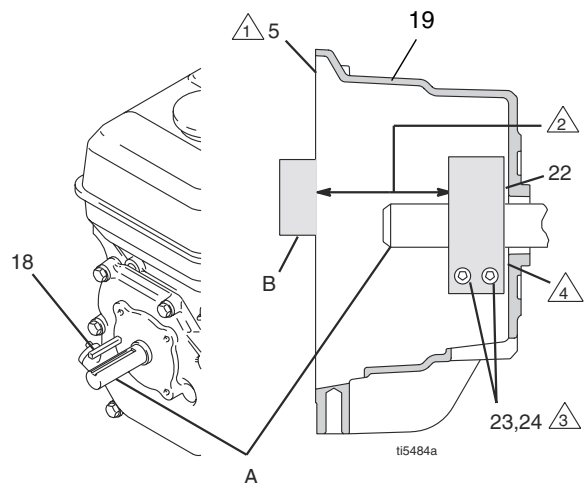


FIG. 10

Clutch Housing

Removal

1. FIG. 11. Remove four screws (20) and lock washers (21) which hold clutch housing (19) to engine.
2. Remove screw (35) from under mounting plate (D).
3. Pull off clutch housing (19).

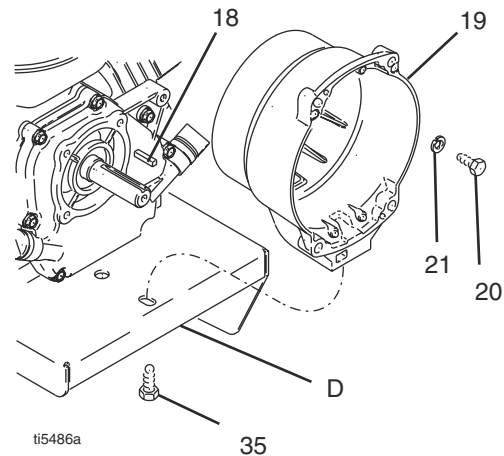


FIG. 11

Installation

1. FIG. 11. Push on clutch housing (19).
2. Install four capscrews (20) and lock washers (21) and secure clutch housing (19) to engine. Torque to 200 in-lb (22.6 N·m).
3. Install screw (35) from beneath mounting plate (D). Torque to 26 ft-lb (35.2 N·m).

Engine

Removal

NOTE: All service to the engine must be performed by an authorized HONDA dealer.

1. Remove **Pinion Assembly/Clutch Armature/Clamp** and **Clutch Housing**, as instructed on pages 9, 10 and 11.
2. FIG. 12. Disconnect all necessary wiring.
3. FIG. 13. Remove two locknuts (17) and screws (16) from base of engine.
4. Lift engine carefully and place on work bench.

- ▲1 To the field
- ▲2 To the engine
- ▲4 To ground

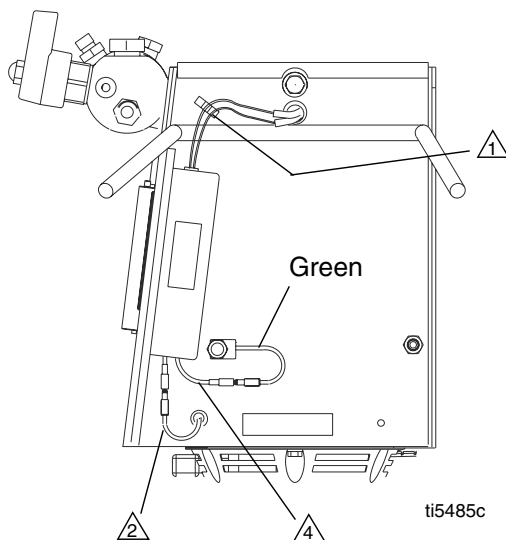


FIG. 12

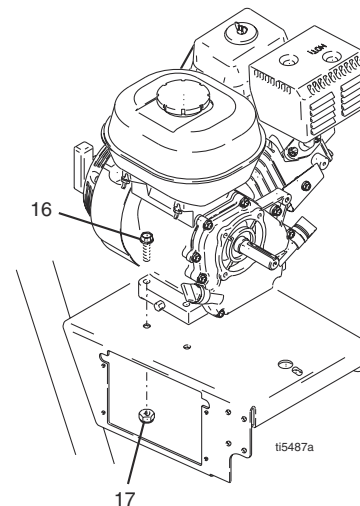


FIG. 13

Installation

1. Lift engine carefully and place on cart.
2. FIG. 13. Install two screws (16) in base of engine and secure with locknuts (17). Torque to 26 ft-lb (22.6 N·m).
3. FIG. 12. Connect all necessary wiring.
4. Install **Pinion Assembly/Clutch Armature/Clamp** and **Clutch Housing**, as instructed on pages 9 and 10 and 11.

Pressure Control

Pump ON/OFF Switch

Removal

					
Read Skin Injection Hazard, page 3; Burn Hazard, page 4					

Installation

1. Install new pump ON/OFF switch (130f) so tabs of switch snap into place on inside of cover.
2. Connect pump ON/OFF switch connector to control board.
3. Swing up cover (130a) and secure with two screws (71).

1. FIG. 14. Remove two screws (71) and swing down cover (130a).
2. Disconnect pump ON/OFF switch (130f) connector from control board.
3. Press in on two retaining tabs on each side of pump ON/OFF switch (130f) and remove switch from cover.

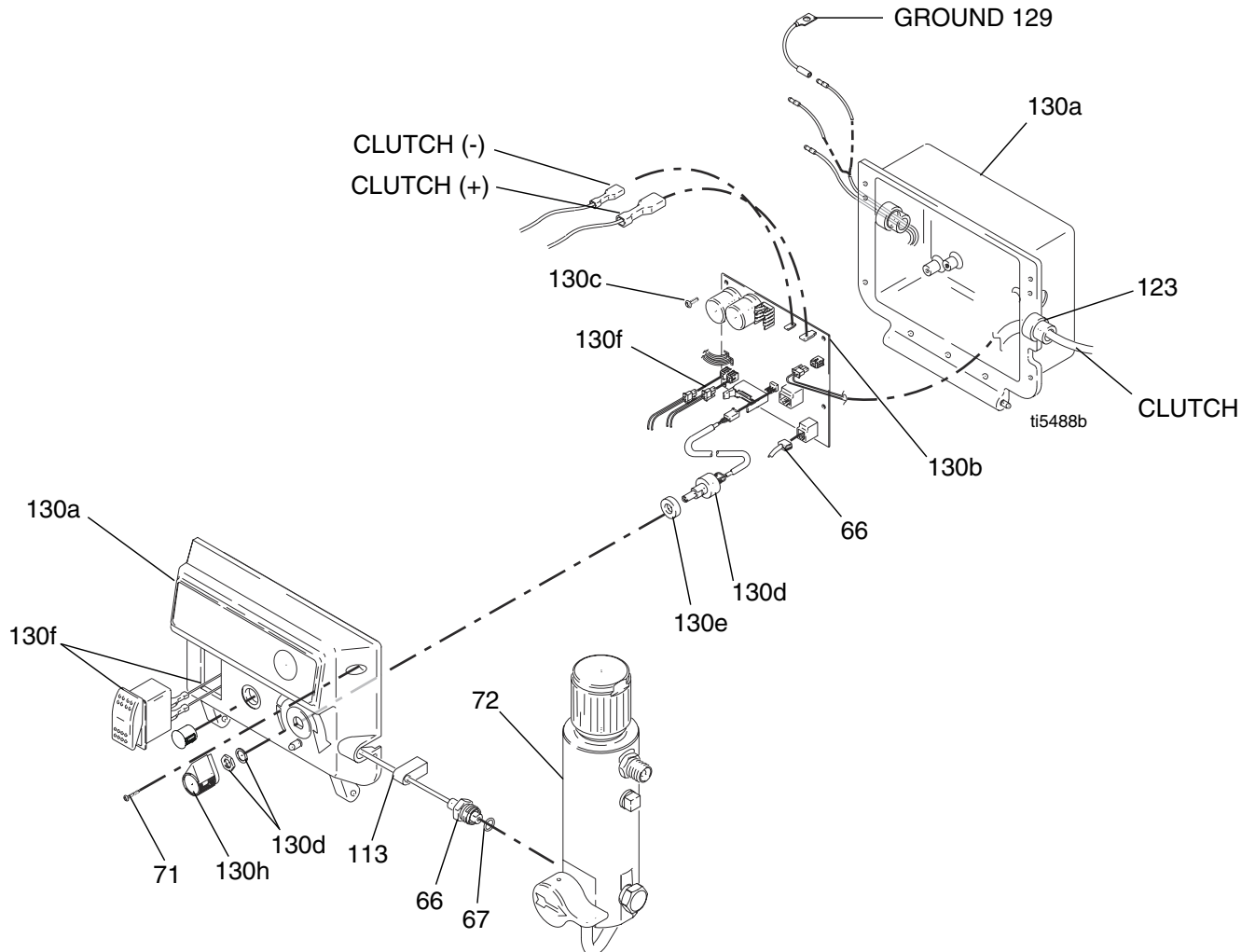
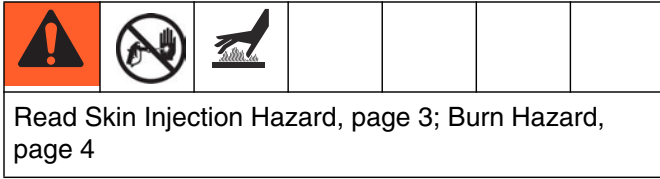


FIG. 14

Control Board

Removal



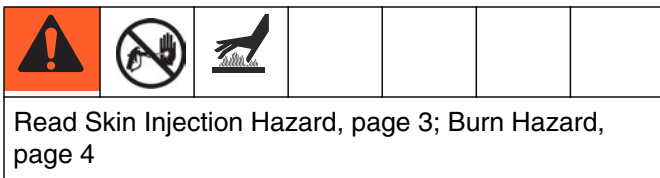
- FIG. 14. Remove two screws (71) and swing down cover (130a)
- Remove strain relief bushings (130r and 123).
- Disconnect at control board (130b):
 - Lead from potentiometer (130d)
 - Lead from transducer (66)
 - Lead from pump ON/OFF switch (130f)
 - Display connector (130m)
 - Engine, ground and clutch wires
- Remove four screws (130c) and control board (130b).

Installation

- FIG. 14. Install control board (130b) with four screws (130c).
- Connect engine wires to control board (130b).
- Connect at control board (130b):
 - Ground and clutch wires
 - Display connector (130m)
 - Lead from pump ON/OFF switch (130f)
 - Lead from transducer (66)
 - Lead from potentiometer (130d)
- Install new strain relief bushings (123 and 130r).
- Swing up cover (130a) and secure with two screws (71).

Pressure Control Transducer

Removal



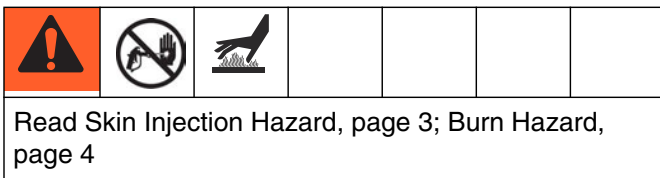
- FIG. 14. Remove two screws (71) and swing down cover (130a)
- Disconnect transducer (66) lead from control board (130b).
- Pull transducer connector through rubber grommet (113).
- Remove pressure control transducer (66) and o-ring (67) from filter housing (72).

Installation

- FIG. 14. Install o-ring (67) and pressure control transducer (66) in filter housing (72). Torque to 35 - 45 ft-lb.
- Install transducer connector and rubber grommet in control housing.
- Connect transducer (66) lead to control board (130b).
- Swing up cover (130a) and secure with two screws (71).

Pressure Adjust Potentiometer

Removal



- FIG. 14. Remove two screws (71) and swing down cover (130a)
- Disconnect potentiometer (130d) lead from control board (130b).
- Loosen set screws on potentiometer knob (130h) and remove knob, shaft nut, lock washer and potentiometer (130d).
- Remove shaft spacer (130e) from potentiometer.




Installation

- Install shaft spacer (130e) on potentiometer (130d).
- FIG. 14. Install potentiometer, shaft nut, lock washer and potentiometer knob (130h).
 - Turn potentiometer shaft clockwise to internal stop. Assemble potentiometer knob (130h) to strike pin on cover (130a).
 - After adjustment of step a., tighten both set screws in knob 1/4 to 3/8 turn after contact with shaft.
- Connect potentiometer lead to control board (130b).
- Swing up cover (130a) and secure with two screws (71).

Displacement Pump

Removal

1. Flush pump.
2. Stop pump with piston rod in its lowest position.

						
Read Skin Injection Hazard, page 3; Burn Hazard, page 4						

3. Do Pressure Relief, page 5.
4. Separate drain hose from sprayer

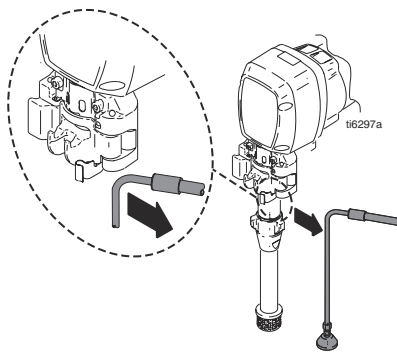


FIG. 15

5. Disconnect paint hose from pump.

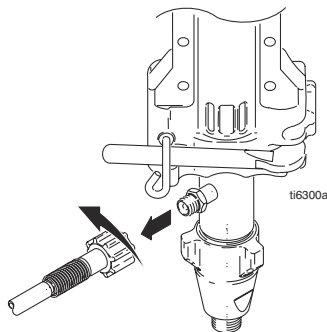


FIG. 16

6. Raise latch lock. Push latch open.

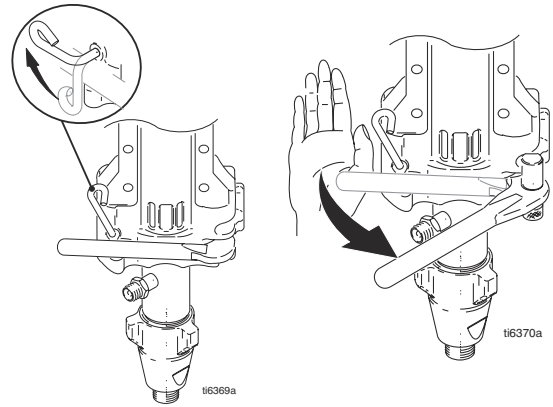


FIG. 17

7. FIG. 18. Ratchet open pump door.
 - a. Ratchet pump door forward.

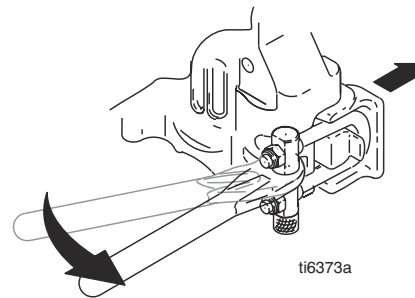


FIG. 18

- b. Twist latch u-bolt out of pump door recess.
- c. Place u-bolt on pump door outer edge.
- d. If pump door is stuck, do steps e., f. and 8., otherwise go to step 9.

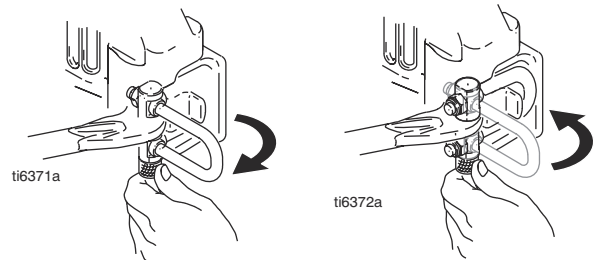


FIG. 19

- e. Twist latch u-bolt back from pump door outer edge
- f. Place u-bolt on pump door protrusion

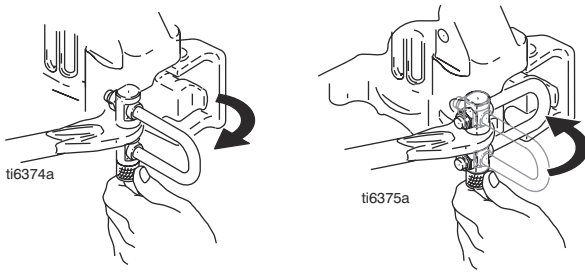


FIG. 20

- 8. Ratchet pump door forward.

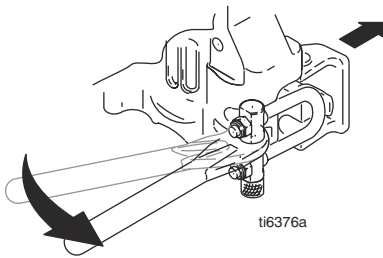


FIG. 21

- 9. Open pump door.

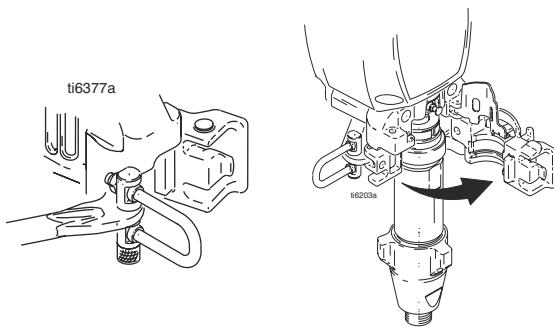


FIG. 22

- 10. FIG. 23. Pull out pump pin and place in pin holder

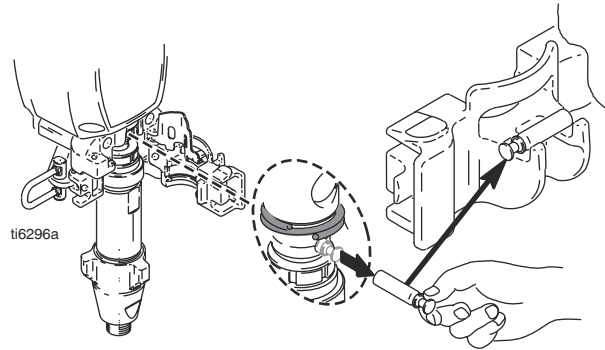


FIG. 23

Installation

1. FIG. 24. Adjust piston rod with pin holder to pull out piston rod. Tap piston rod on hard surface to push in piston rod.
2. Push pump collar flush with bearing housing ledge to be able to close pump door.

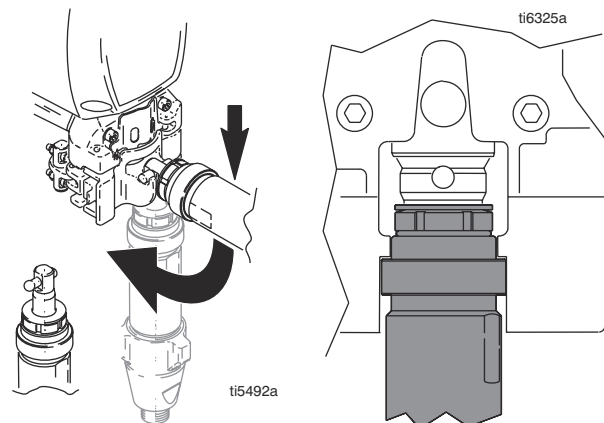


FIG. 24

3. FIG. 25. Slide pump into connecting rod. Push pump pin until it is fully retained.
Note: Pin will snap into position.

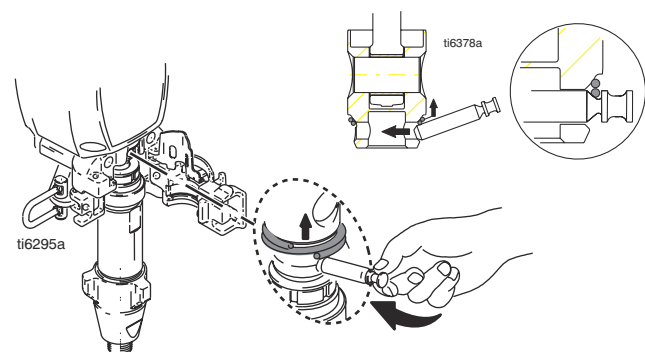
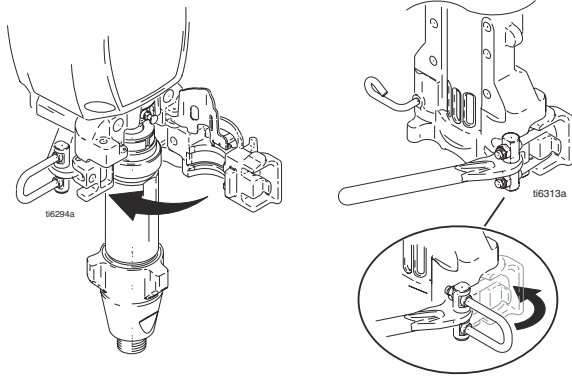


FIG. 25

4. FIG. 26. Close pump door and rotate latch into position. Do not tighten latch.



5. FIG. 26. Rotate pump to align with paint hose. Connect paint hose and hand tighten to 70 in-lb

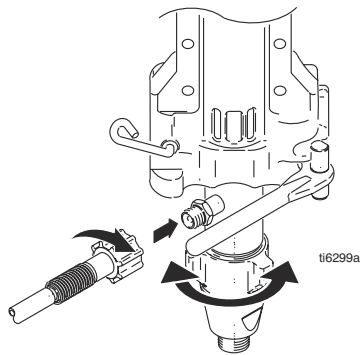


FIG. 26

6. FIG. 27. Tighten latch and rotate latch lock into locked position.

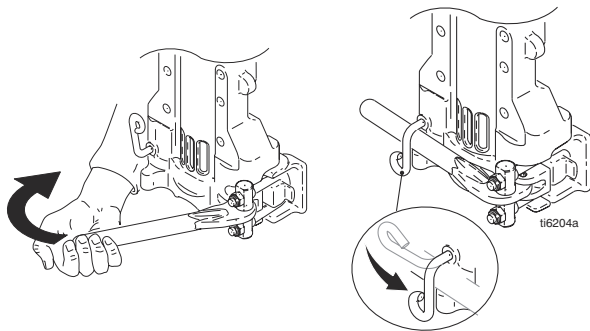


FIG. 27

7. FIG. 28. Attach drain hose to sprayer.

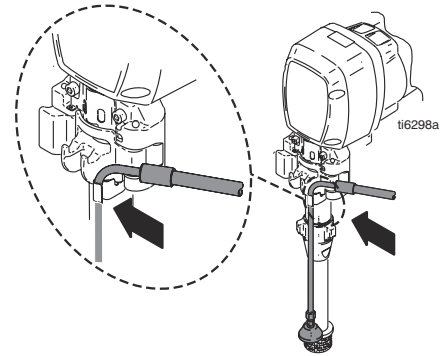


FIG. 28

8. FIG. 29. Fill pump with Graco TSL until fluid flows onto top of seal.

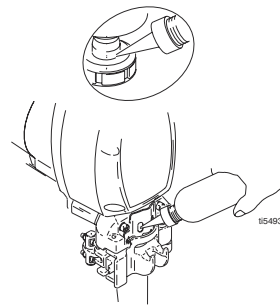
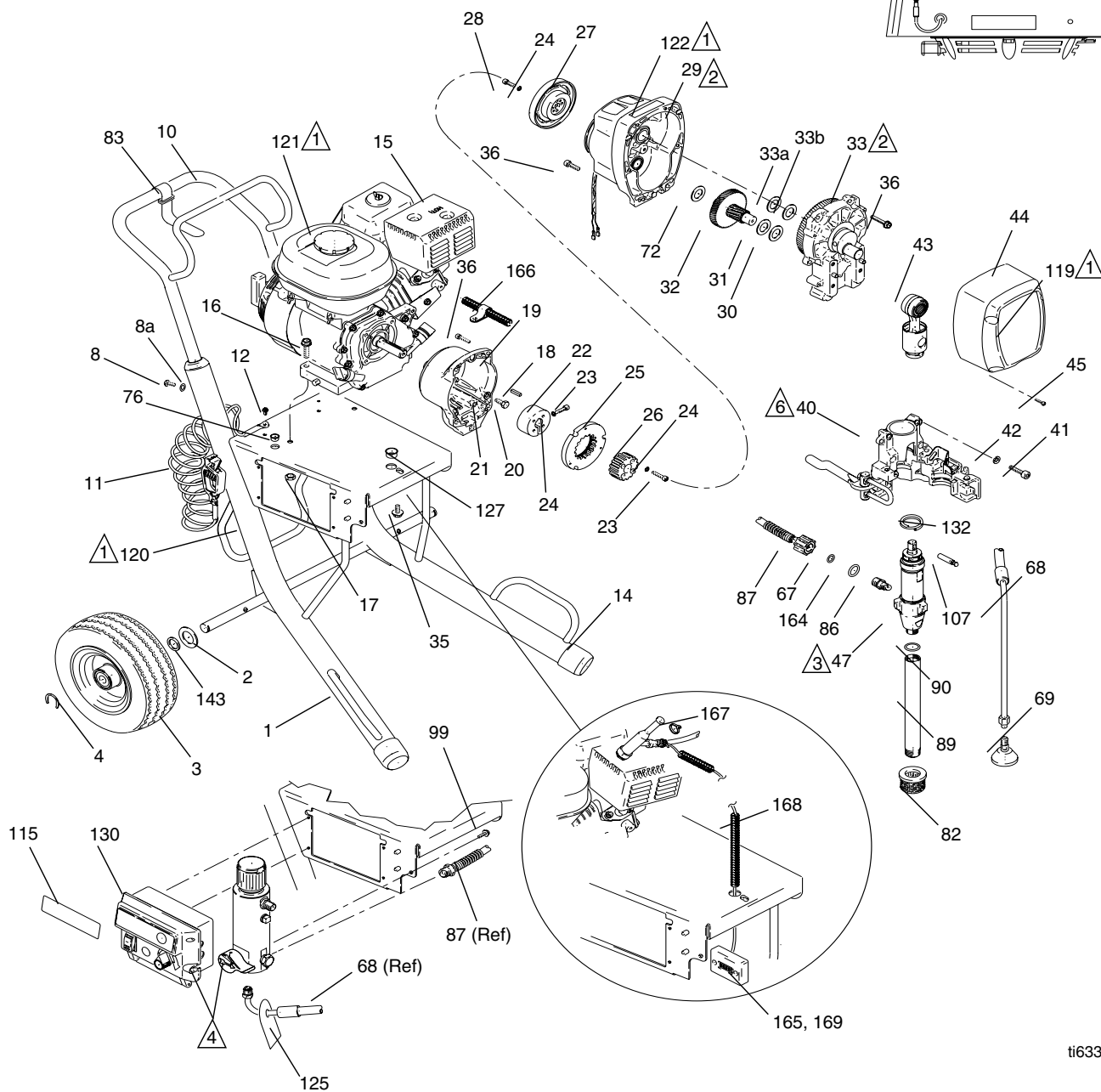
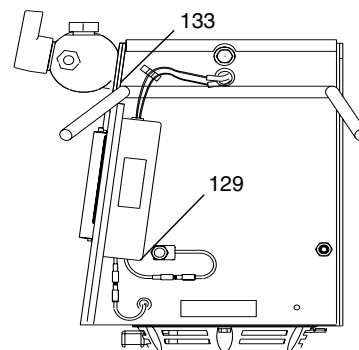


FIG. 29

Parts

Parts Drawing

- 1 Label
- 2 See page 26 for parts.
- 3 See manual 312521 for parts.
- 4 See page 28 for parts.
- 6 See page 30 for parts.



ti6337e

Parts List

Ref	Part	Description	Qty	Ref	Part	Description	Qty
1	287411	FRAME, cart	1	121▲	194126	LABEL, warning	1
2	156306	WASHER, flat	2	122	290228	LABEL, caution	1
3	119420	WHEEL, pneumatic	2	125▲	195119	LABEL, warning	1
4	15E891	CLIP, retaining	2	127	119569	BUSHING, strain relief	1
8	109032	SCREW, mach, pnh	4	129	119579	CONDUCTOR, ground	1
8a	100020	WASHER, lock	4	130	256000	BOX, control, RentalPro	1
10	287489	HANDLE, cart	1	132	119676	SPRING, RETAINING	1
11	237686	WIRE, ground assembly w/ clamp	1	133	114687	CLIP, RETAINER	1
12	112798	SCREW, thread forming, hex hd	1	143	116038	WASHER, wave spring	2
14	15C871	CAP, leg	2	164	119790	O-RING	1
15	108879	ENGINE, gas, 4.0 hp	1	165	117631	METER, hour	1
16	110837	SCREW, flange, hex	2	166	108868	CLAMP, wire	1
17	110838	NUT, lock	2	167	102478	STRAP, tie wiring	2
18	183401	KEY, parallel	1	168	15C388	CONDUIT, corrugated	1
19	15E535	HOUSING, clutch, mach	1	169	15B953	TAPE, foam, hour meter	1
20	108842	SCREW, cap, hex hd	4	▲	15T691	GUIDE, Quick Tips	
21	100214	WASHER, lock	4	▲	<i>Replacement Danger and Warning labels, tags, and cards are available at no cost.</i>		
22	193680	COLLAR, shaft	1	†	Included in Clutch Replacement Kit 241109		
23†	108803	SCREW, hex, socket head	6				
24†	105510	WASHER, lock, spring (hi-collar)	10				
25†		ARMATURE, clutch, 4in.	1				
26†		HUB, armature	1				
27†		ROTOR, clutch, 4 in.	1				
28†	101682	SCREW, cap, sch	4				
29	287463	HOUSING, pinion	1				
30	114672	WASHER, thrust (brass)	1				
31	114699	WASHER, thrust (steel)	1				
32	287653	GEAR, combination	1				
33	287467	HOUSING, drive	1				
35	112395	SCREW, cap, flnghd	1				
36	119426	SCREW, hex washer hd	10				
39*	119562	SWITCH, reed w/connector	1				
40	287522	HOUSING, bearing	1				
41	113467	SCREW, cap, socket hd	4				
42	104008	WASHER, lock spring	4				
43	287471	ROD, connecting	1				
44	287521	COVER, front, includes 45	1				
45	118444	SCREW, mach hex wash hd	4				
47	287512	PUMP, displacement, includes 86, 89, 90	1				
67	111457	O-RING	1				
68	244240	HOSE, coupled, includes 69	1				
69	241920	DEFLECTOR, threaded	1				
72	15F250	WASHER, thrust	1				
76	114678	BUSHING, strain relief	1				
82	189920	STRAINER, (1-11 1/2 npsm)	1				
83	114271	STRAP, retaining	1				
84	238049	FLUID, TSL, 4 oz (not shown)	1				
86	15E802	FITTING, pump, quick disconnect	1				
87	287419	HOSE, coupled	1				
89	15E807	TUBE, INTAKE	1				
90	118494	O-RING	1				
99	113161	SCREW, flange, hex hd	3				
107	15F109	PIN, pump	1				
115	15M963	LABEL, identification	1				
119	15R246	LABEL, identification	1				
120▲	15F638	LABEL, danger, English	1				

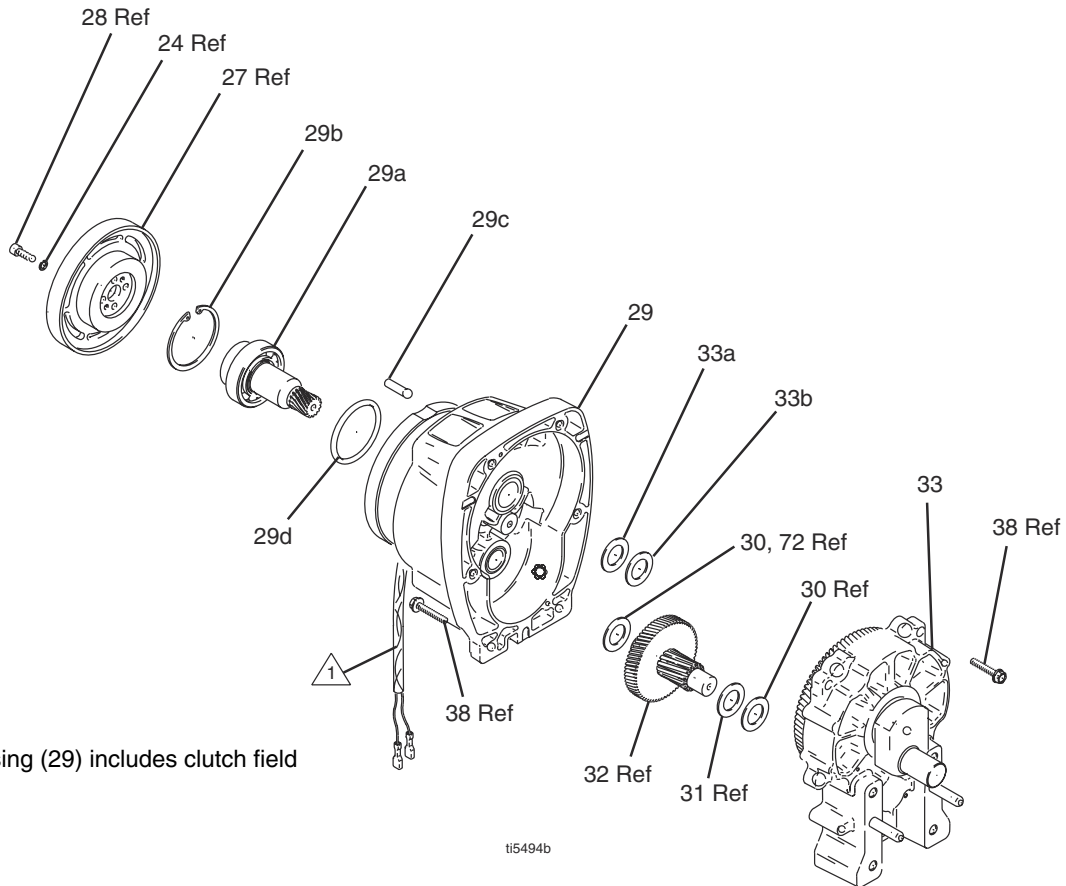
Parts Drawing and List - Pinion Housing, Drive Housing

Ref 29: Pinion Housing - 287463

Ref 33: Drive Housing - 287467

Ref	Part	Description	Qty
29	287474	KIT, repair, field	1
29a	287525	GEAR, driving, first	1
29b	113094	RING, retaining, large	1
29c	105489	PIN, dowel	2
29d	165295	O-RING	1
33a	116191	WASHER, thrust, steel	1

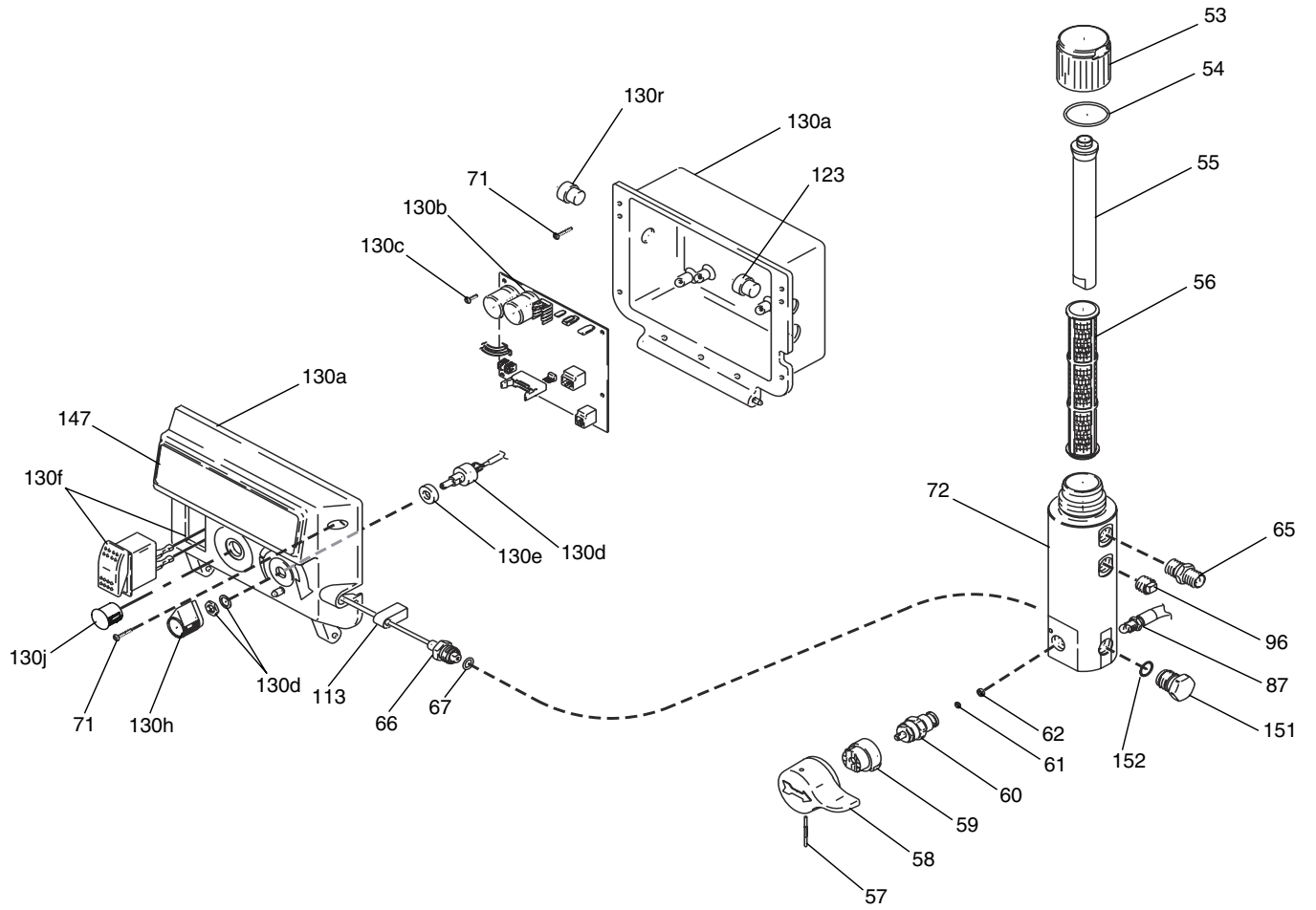
Ref	Part	Description	Qty
33		DRIVE HOUSING	1
33a	116191	WASHER, thrust, steel	1
33b	107089	WASHER, thrust, brass	1



⚠ Pinion housing (29) includes clutch field

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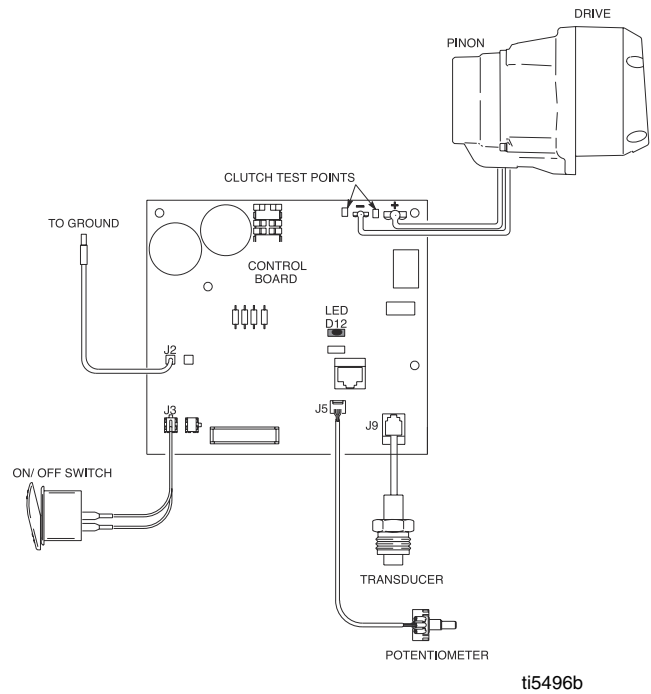
Pressure Control and Filter Parts Drawing



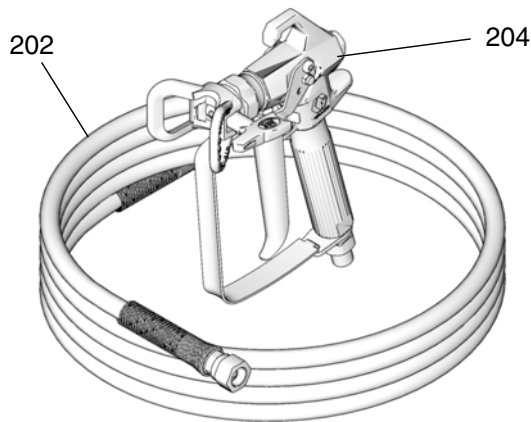
Pressure Control and Filter Parts List

REF	PART	DESCRIPTION	QTY
	287510	Filter Replacement Kit	
53★†	15C765	CAP, filter	1
54★†	117285	O-RING	1
55★†	15C766	TUBE, diffusion	1
56★†	244067	FILTER, fluid	1
57★	15C780	HANDLE	1
58★	15C972	PIN, grooved	1
59★	224807	BASE, valve	1
60★‡	235014	VALVE, drain, replacement kit	1
61★‡	15E022	SEAT, valve	1
62★‡	111699	GASKET, seat, valve	1
65★	164672	ADAPTER	1
66★†	243222	TRANSDUCER, pressure contl	1
67★†	111457	O-RING	1
71	116585	SCREW, mach, pnh, sems	6
72*†	15E284	HOUSING, filter	1
87	287419	HOSE, coupled	1
96★†	104813	PLUG, pipe	1
113	15E925	GASKET, TRANSDUCER	1
123	119545	BUSHING, strain, relief	1
130a	249584	BOX, standard	1
130b	287516	CONT.ROL, board	1
130c	117317	SCREW, pan head	4
130d	241443	POTENTIOMETER	1
130e	198650	SPACER, shaft	1
130f	116752	SWITCH, rocker	1
130h	116167	KNOB, potentiometer	1
130j	119548	PLUG, cap	1
130r	119545	BUSHING, strain relief	1
147	15R244	LABEL	1
150a†◆	193710	SEAL, valve	1
150b†◆	193709	SEAT, valve	1
150c†◆	114797	GASKET	1
150d†◆		VALVE ASSEMBLY	1
150e†◆	114708	SPRING, compression	1
150f†◆	15G563	HANDLE, valve	1
150g†◆	116424	NUT, cap, hex, hd	1
151	248314	PLUG, (Standard) includes 152	1
152	15D541	O-RING, Standard)	1
161	287649	CONTROL, standard, complete (includes 130b-130r)	1

- ★ Included in Filter Replacement Kit 287510
- † Included in Filter Replacement Kit 287517
- ‡ Included in Drain Valve Replacement Kit 235014
- ◆ Included in Drain Valve Replacement Kit 245103



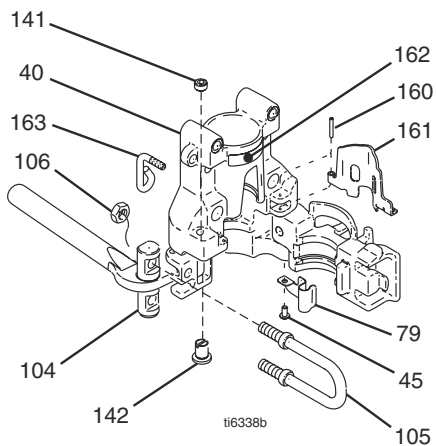
Parts - Sprayers, RAC™ X Tip, Gun & Hose



ti10856a

Ref	Part	Description	Qty
202	240794	HOSE, grounded, nylon; 1/4 in. ID; cpld 1/4 npsm(fbe); 50 ft (15 m); spring guards both ends; 3300 psi (228 bar, 22.8 MPa)	1
204	288430	FTX SPRAY GUN Includes RAC X 517-size SwitchTip and HandTite Guard. See 311861 for parts.	1

Ref 40: Bearing Housing



ti6338b

Ref	Part	Description	Qty
40		HOUSING, bearing	1
45	118444	SCREW, mach hex wash hd	1
79	15E975	CLIP, spring	1
104	15E779	PIN, housing, bearing	1
105	15E765	LATCH, housing, bearing	1
106	102040	NUT, lock hex	1
141	15F503	SCREW, set, socket hd	1
142	15F498	SCREW, adjustment	1
160	101579	PIN	1
161	15F384	SHIELD	1
162	187436	LABEL, torque	1
163	15F116	LATCH	1

Technical Data

Honda GX120 Engine	
ANSI Power Rating @ 3600 rpm	4.0 Horsepower (3.0 kW)
Maximum working pressure	3300 psi (228 bar, 22.8 MPa)
Noise Level	
Sound power	105 dBa per ISO 3744
Sound pressure	96 dBa measured at 3.1 feet (1 m)
Maximum delivery rating	1.25 gpm (4.73 liter/min)
Maximum tip size	0.036 in. tip
Inlet paint strainer	12 mesh (893 micron) stainless steel screen, reusable
Outlet paint filter	60 mesh (250 micron) stainless steel screen, reusable
Pump inlet size	1-5/16-12 UN-2A
Fluid outlet size:	¼ npsm from fluid filter
Wetted parts	zinc-plated carbon steel, PTFE, nylon, polyurethane, UHMW polyethylene, fluoroelastomer, acetal, leather, aluminum, tungsten carbide, nickel- and zinc-plated carbon steel, stainless steel, chrome plating

Dimensions

Sprayer (no hose and gun)	Weight lb (kg)	Height in. (cm)	Width in. (cm)	Length in. (cm)
RentalPro 360 G	109 (50)	31.5 (80.0)	22.25 (56.5)	32.0 (81.3)

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Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

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Original Instructions. This manual contains English. MM 312520

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