

# HTX 2030

313889B

-For Portable Airless and Air-Assisted Spraying of Water-Based Architectural Coatings with Base Coat Pump--For Airless Spraying Architectural Coatings and Paints with Top Coat Pump-



**IMPORTANT SAFETY INSTRUCTIONS** Read all warnings and instructions in this man-

ual. Save these instructions.

#### Model Number: 257369

#### **Maximum Working Pressure:**

Base Coat Pump: 1000 psi (69 bar, 6.9 MPa) Top Coat Pump: 3300 psi (228 bar, 22.8 MPa)

#### **Related Manuals**

313888 - Operation (English)
313891 - Operation (French)
313893 - Operation (Spanish)
313892 - Repair (French)
313894 - Repair (Spanish)
313890 - Parts
313895 - HTX 2030 Flex Head and Pole Spray Applicator (English)
313896 - HTX 2030 Flex Head and Pole Spray Applicator (French)
313897 - HTX 2030 Flex Head and Pole Spray Applicator (French)
313897 - HTX 2030 Flex Head and Pole Spray Applicator (Spanish)
310894 - Displacement Pump (Top Coat)
308491 - Texture Airless Spray Gun
313537 - HTX 2030 Applicator (English)
313603 - HTX 2030 Applicator (Chinese)
313908 - HTX 2030 Applicator (French)
313911 - HTX 2030 Applicator (Spanish)





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# Warning

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbol refers to procedure-specific risk. Refer back to these warnings. Additional, product-specific warnings may be found throughout the body of this manual where applicable.

	FIRE AND EXPLOSION HAZARD				
	<ul> <li>Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:</li> <li>Use equipment only in well ventilated area.</li> <li>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.</li> <li>When flammable liquid is sprayed or used for flushing or cleaning, keep sprayer at least 20 feet (6 m) away from explosive vapors.</li> <li>Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static arc).</li> <li>Keep work area free of debris, including solvent, rags and gasoline.</li> <li>Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present.</li> <li>Ground equipment and conductive objects in work area. See Grounding instructions.</li> <li>Use only grounded hoses.</li> <li>Hold gun firmly to side of grounded pail when triggering into pail.</li> <li>If there is static sparking or you feel a shock, stop operation immediately. Do not use equipment until you identify and correct the problem.</li> </ul>				
	<ul> <li>SKIN INJECTION HAZARD (SPRAY GUN)</li> <li>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.</li> <li>Do not point gun at anyone or at any part of the body.</li> <li>Do not put your hand over the spray tip.</li> <li>Do not stop or deflect leaks with your hand, body, glove, or rag.</li> <li>Do not spray without tip guard and trigger guard installed.</li> <li>Engage trigger lock when not spraying.</li> <li>Follow Pressure Relief Procedure in this manual, when you stop spraying and before cleaning, checking, or servicing equipment.</li> </ul>				
	<ul> <li>SKIN INJECTION HAZARD (APPLICATOR)</li> <li>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.</li> <li>Do not point gun at anyone or at any part of the body.</li> <li>Do not put your hand over the spray tip.</li> <li>Do not stop or deflect leaks with your hand, body, glove, or rag.</li> <li>Follow Pressure Relief Procedure in this manual, when you stop spraying and before cleaning, checking, or servicing equipment.</li> </ul>				
<b>1</b> 5	<ul> <li>MOVING PARTS HAZARD</li> <li>Moving parts can pinch or amputate fingers and other body parts.</li> <li>Keep clear of moving parts.</li> <li>Do not operate equipment with protective guards or covers removed.</li> <li>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.</li> </ul>				

	WARNING
	PRESSURIZED ALUMINUM PARTS HAZARD 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.
	<b>SUCTION HAZARD</b> Never place hands near the pump fluid inlet when pump is operating or pressurized. Powerful suction could cause serious injury.
2	<b>CARBON MONOXIDE HAZARD</b> Exhaust contains poisonous carbon monoxide, which is colorless and odorless. Breathing carbon mon- oxide can cause death. Do not operate in an enclosed area.
• <b>\$</b>	<ul> <li>TOXIC FLUID OR FUMES HAZARD</li> <li>Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.</li> <li>Read MSDS's to know the specific hazards of the fluids you are using.</li> <li>Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.</li> </ul>
and.	<b>BURN HAZARD</b> 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.
	<ul> <li>PERSONAL PROTECTIVE EQUIPMENT</li> <li>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: <ul> <li>Protective eyewear</li> <li>Clothing and respirator as recommended by the fluid and solvent manufacturer</li> <li>Gloves</li> <li>Hearing protection</li> </ul> </li> </ul>
	<ul> <li>EQUIPMENT MISUSE HAZARD</li> <li>Misuse can cause death or serious injury.</li> <li>Do not operate the unit when fatigued or under the influence of drugs or alcohol.</li> <li>Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals.</li> <li>Do not leave the work area while equipment is energized or under pressure. Turn off all equipment and follow the Pressure Relief Procedure in this manual when equipment is not in use.</li> <li>Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.</li> <li>Do not alter or modify equipment.</li> <li>Use equipment only for its intended purpose. Call your distributor for information.</li> <li>Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.</li> <li>Do not kink or over bend hoses or use hoses to pull equipment.</li> <li>Keep children and animals away from work area.</li> <li>Comply with all applicable safety regulations.</li> </ul>

# **Component Identification - Sprayer**





ti14415a

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1	ON/OFF Switch		
2	Prime Switch (used with Base Coat Pump)		
3	Pump Control		
4	Heavy Texture Material Hose (used with Base Coat Pump)		
5	Applicator Switch (used with Base Coat Pumpon Hose 5)		
6	Applicator (Base Coat)		
7	Pump (Base Coat)		
8	Over Pressure Relief Valve		
9	Pump (Top Coat)		
10	Spray Gun (Top Coat)		
11	Paint/Texture Material Hose (used with Top Coat Pump)		
12	Prime/Drain Valve		
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# **Component Identification - Base Coat Applicator**



1	Applicator
2	Air Hose Adapter and Air Adjustment Valve
3	Airless Filter or Air Passage Plug
4	Filter Support
5	Airless Spray Assembly
6	Airless Spray Tip
7	Air nozzle, 4 mm, 6mm, 8mm, 10mm
8	Air Nozzle Cleaner
9	Cleaning Brush
10	Cleaning Ball

# Troubleshooting

Problem	Cause	Solution	
E=XX is displayed     Fault condition exists       Engine will not start     Engine switch is OEE		Determine fault correction from <b>Digital Display Mes-</b> <b>sages</b> table, see manual 313888.	
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 displace-	Error code displayed	Reference Pressure Control repair, page 18.	
ment pump does not operate	Applicator switch is OFF (Base Coat Only)	Turn applicator switch ON	
	Pump setting is OFF	Turn pressure adjusting knob clockwise to increase pressure.	
	Tip or tip filter is clogged	Clean tip or tip filter, see manual 313537/313603.	
	Displacement pump piston rod is stuck due to dried paint or texture	Repair pump, see manual 310894 or page 22.	
	Connecting rod is worn or damaged	Replace connecting rod. Page 10.	
	Drive housing is worn or damaged	Replace drive housing. Page 12.	
	field	Check wiring connections. Page 24.	
		Reference <b>Digital Display Messages</b> , manual 313888.	
		Reference Wiring Diagram. Page 24.	
		With applicator switch ON and pressure turned to MAXIMUM, use a test light to check for power between clutch test points on control board.	
		Remove clutch wires from control board and mea- sure resistance across clutch coil. At 70° F (21° C), the resistance must be between 1.2 +0.2 $\Omega$ ; if not, replace pinion housing.	
		Have pressure control checked by authorized Graco dealer	
	Clutch is worn, damaged, or incorrectly positioned	Adjust or replace clutch. Page 17.	
	Pinion assembly is worn or damaged	Repair or replace pinion assembly. Page 13.	
	<b>Base Coat Pump:</b> Applicator switch on material hose and/or Prime Switch on Pressure Control are damaged.	See page 22.	
	<b>Top Coat Pump:</b> Pump is not correctly aligned to pump sensor or sensor is damaged.	Rotate pump to align transducer port toward back of sprayer. Replace damaged pump sensor.	

Problem	Cause	Solution	
Pump output is low	Strainer (82) is clogged	Clean strainer.	
(Base Coat Pump see pages	Piston ball is not seating	Service piston ball.	
22.	Piston packings are worn or damaged	Replace packings.	
Top Coat Pump see manual	O-ring in pump is worn or damaged	Replace o-ring.	
310894)	Intake valve ball is not seating properly	Clean intake valve.	
	Intake valve is packed with material	Clean intake valve.	
	Engine speed is too low	Increase throttle setting.	
	Clutch is worn or damaged	Adjust or replace clutch. Page 17.	
	Pressure setting is too low	Increase pressure.	
	Tip filter or tip is clogged or dirty	Clean filter.	
	Large pressure drop in hose with heavy materials	Use larger diameter hose and/or reduce overall length of hose.	
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.	
	Displacement rod is worn or damaged	Replace rod.	
Fluid is spitting from gun	Air in pump or hose	Check and tighten all fluid connections. Reprime pump.	
	Tip is partially clogged	Clear tip.	
	Fluid supply is low or empty	Refill fluid supply. Prime pump. Check fluid supply often to prevent running pump dry.	
Pump is difficult to prime	Air in pump or inlet tube	Check and tighten all fluid connections.	
		Reduce engine speed and cycle pump as slowly as possible during priming.	
	Intake valve is leaking or contaminated	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.	
	Paint is too thick	Thin the paint according to the supplier's recommen dations	
	Engine speed is too high	Decrease throttle setting before priming pump.	
Prime/Drain valve is plugged	Material hardened in valve	Operate drain valve at least once per hour when spraying.	
		Flush valve more thoroughly when cleaning sprayer.	
	Aggregate packed up in valve	Valve is opened too slowly and/or aggregate is too large.	
Over pressure relief valve actuates	Clutch is worn out or damaged. Pres- sure transducer or control board are damaged.	Check and replace worn or damaged component.	
	Valve is damaged or worn.	Clean out debris and replace valve.	
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.	
5	Worn engine governor	Replace or service engine governor	
No display, sprayer operates	Display damaged or has bad connec- tion	Check connections. Replace display.	

# **Pressure Relief Procedure**

#### Applicator (Base Coat Pump)



- 1. Turn engine OFF.
- 2. Turn on/off switch OFF and turn pressure control knob fully counterclockwise.



3. Turn prime/drain valve down to DRAIN position. Fluid from drain valve can splash in eyes or skin and cause serious injury. Keep hands clear of pressure relief valve and always wear safety glasses.



**NOTE:** If you suspect spray tip nozzle or hose is completely clogged or that pressure has not been fully relieved after following the previous steps, cover the connection at end of hose with a heavy rag and **very slowly** loosen connection.

#### Spray Gun (Top Coat Pump)



1. Lock gun trigger safety and turn engine OFF.



2. Turn on/off switch to OFF and turn pressure control knob fully counterclockwise.



 Unlock trigger safety. Hold metal part of gun firmly to side of grounded metal pail and trigger gun to relieve pressure.



4. Lock gun trigger safety. Open pressure prime/drain valve. Leave valve open until ready to spray again.



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

# Repair

### **Bearing Housing and Connecting Rod**



#### Removal

Relieve Pressure, page 9.

 Remove **Pump**, page 22. Remove four screws (45) and front cover (44).



2. Remove four screws (64) and washers (63) from ProConnect bearing housing (40).





4. Inspect crank (B) and connecting rod (43) for excessive wear and replace parts as needed.



#### Installation

 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.



- 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. Torque evenly to 40 ft-lb (54 N•m).
- 6. Install **Pump**, page 22.

### **Drive Housing**



#### Removal

Relieve Pressure, page 9.

1. Remove Bearing Housing, page 10.

#### NOTICE

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

- 2. Remove six screws (38).
- 3. 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. Apply all grease supplied with replacement gear cluster to gear teeth and mating surfaces.



2. Ensure thrust washers (30, 31) are on combination gear (32) and washers (33a, 33b) are on crankshaft of drive housing (33).



- 3. Clean mating surfaces of pinion and drive housing.
- 4. Align gears and push new drive housing straight onto pinion housing (29) and locating pins (B).



5. Install six screws (38). Torque evenly to  $200 \pm 10$  in-lb (22.6  $\pm$  1.1 N•m).



- 6. Install housing (40) and (43), see page 10.
- 7. Install Pump, page 22.

#### NOTICE

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

### **Pinion Assembly / Clutch Armature / Clamp**

#### Pinion Assembly / Clutch Armature Removal

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



#### **Pinion Assembly**

1. Remove drive housing, page 12.



2. Disconnect clutch cable connectors from inside of pressure control:



a. Remove two screws (71) and swing down cover (70a).



b. Disconnect engine leads from board to engine.



c. Remove strain reliefs (70b).



3. Remove four screws (36), washers (37), and pinion assembly (29).



4. 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.



6. Remove retaining ring (29b).



7. Turn pinion assembly over and tap pinion shaft (29a) out with plastic mallet.

#### **Clutch Armature**

8. 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 (25).

#### Installation

#### **Clutch Armature**

1. Lay two stacks of two dimes (or 1.4mm coins) on a smooth bench surface.



- 2. Lay armature (25) on two stacks of coins.
- 3. Press center of hub (26) down to bench surface.

#### Clamp Removal



Gasoline can spill and cause a fire or explosion if engine is tipped on its side.

- 1. Remove **Engine**, page 17, and drain gasoline from tank according to Honda manual.
- 2. Tip engine on side so gas tank is down and air cleaner is up.



 Use 3/16 in. hex key wrench to loosen two screws (23) on clamp (22).



4. Push screwdriver into slot in clamp (22) and remove clamp.

#### **Clamp Installation**

1. Install engine shaft key (18).



2. Tap clamp (22) onto engine shaft (A). Maintain dimension of  $2.612 \pm .010$  in. ( $66.34 \pm .25$ mm). 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 (23) to  $125 \pm 10$  in-lb ( $14 \pm 1.1$  N•m).
- 4. Install armature (25) on engine drive shaft.



5. Install four screws (23) and lock washers (24). Torque to 125  $\pm$  10 in-lb (14  $\pm$  1.1 N•m).

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. Place pinion assembly on bench with rotor side up.
- Apply thread sealant to screws. Install four screws (28) and lock washers (24). Alternately torque screws to 125 ± 10 in-lb (14 ± 1.1 N•m) until rotor is secure. Use threaded holes to hold rotor.



11. Install pinion assembly (29) with four screws (36) and washers (37).



12. Connect clutch cable connectors to inside of pressure control.



### **Clutch Housing**

#### Removal

1. 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).

#### Installation

- 1. Push on clutch housing (19).
- Install four capscrews (20) and lock washers (21) and secure clutch housing (19) to engine. Torque to 200 in-lb (22.6 N•m).



 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. 2. Disconnect all necessary wiring.



3. Remove two locknuts (17) and screws (16) from base of engine.



4. Lift engine carefully and place on work bench.

#### Installation

- 1. Lift engine carefully and place on sprayer cart.
- Install two screws (16) in base of engine and secure with locknuts (17). Torque to 26 ft-lb (22.6 N•m).



3. Connect all necessary wiring.



4. Install Pinion Assembly/Clutch Armature/Clamp and Clutch Housing.

### **Pressure Control**

### Pump On/Off Switch

#### Removal



1. Remove two screws (71) and swing down cover (70a).



2. Disconnect pump ON/OFF switch (70j) connector from control board.



3. Press in on two retaining tabs on each side of pump ON/OFF switch (70j) and remove switch from cover.



#### Installation

 Install new ON/OFF switch (70j) so tabs of switch snap into place on inside of cover. Align new ON/OFF switch with electrical tabs at bottom.



2. Connect pump ON/OFF switch connector to control board.





### **Control Board**

#### Removal



1. Remove two screws (71) and swing cover (70a) down.



2. Squeeze strain relief bushings (70b) with pliers and remove.



- 3. Disconnect all leads at control board (70c). See **Wiring Diagram**, page 24.
- 4. Remove four screws (70d) and control board (70c).



#### Installation

1. Install control board (70c) with four screws (70d).



- 2. Connect engine wires to control board (70c).
- 3. Connect all leads at control board (70c). See **Wiring Diagram**, page 24.
- 4. Install new strain relief bushings (70b).





### **Pressure Control Transducer**

#### Removal



1. Remove two screws (71) and swing cover (70a) down.



2. Disconnect transducer lead (158) from control board (70c).



3. Remove strain relief (70b) and pull transducer cable from the control box. Remove screws (182) and cover (184) to detach transducer from cart frame.



4. Remove pressure control transducer (158) and o-ring (158b) from manifold.



#### Installation

1. Install o-ring (158b) and pressure control transducer (158) in manifold (72). Tighten securely.



2. Place end of transducer in slot of mount (183) and secure with cover (184) and screws (182). Route transducer cable through control box and secure with strain relief (70b).



3. Connect transducer lead (158) to control board (70c).





### **Pump Control**

#### Removal



1. Remove two screws (71) and swing cover (70a) down.



2. Disconnect pump control (70p) lead from control board (70c).



3. Loosen set screws on pump control knob (70k) and remove knob, shaft nut, lock washer and pump control (70p).



4. Remove shaft spacer (70n) from pump control.



#### Installation

- 1. Install shaft spacer (70n) on pump control (70p).
- 2. Install pump control, shaft nut, lock washer, and pump control knob (70k).



 a. Turn pump control shaft clockwise to internal stop. Assemble pump control knob to strike pin on cover (70a).



- After adjustment of step a, tighten both set screws in knob 1/4 to 3/8 turn after contact with shaft.
- 3. Connect pump control lead to control board (70c).





## **Displacement Pump**

#### Removal



- 1. Flush pump, page 22.
- 2. Stop pump with piston rod in its lowest position.
- 3. Perform **Pressure Relief** procedure, page 9.
- 4. Top Coat Pump: Separate drain hose from sprayer.



5. Disconnect transducer from pump manifold.



6. Raise latch lock and push latch open.



7. Ratchet open pump door.



- a. Ratchet pump door forward.
- 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.
- e. Twist latch u-bolt back from pump door outer edge.



f. Place u-bolt on pump door protrusion.



8. Ratchet pump door forward.



9. Open pump door.



10. Pull out pump pin and place in pin holder.



#### Installation

1. Adjust piston rod to proper length:

Adjust piston rod with pin holder to pull **out** piston rod. Tap piston rod on hard surface to push **in** piston rod.



2. Slide pump into connecting rod. Push pump collar flush with bearing housing ledge to be able to close pump door.



3. Push pump pin until it is fully retained.

NOTE: Pin will snap into position.



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



5. Rotate pump until transducer port is aligned directly to back of sprayer. Connect transducer and hand tighten securely.

**NOTE:** Clean out ALL media and debris from transducer and transducer port before connecting transducer.



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



7. Top Coat Pump: Attach drain hose to sprayer.



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



# Wiring Diagram



А	To Engine
В	To Ground
С	Clutch Test Points
D	Pinion
Е	Drive
F	On/Off Switch

G	Control Board
Н	Pump Sensor
J	Pump/Prime Switch
Κ	Display Board
М	Pump Control
Ν	Transducer

# **Technical Data**

Honda GX 200 Engine: ANSI Power Rating @ 3600 rpm	6.5 Horsepower (4.8 kW)
Maximum Working Pressure:	
Base Coat Pump	1000 psi (69 bar, 6.9 MPa)
Top Coat Pump	3300 psi (228 bar, 22.8 MPa)
Noise Level:	
Sound Power	105 dBa per ISO 3744
Sound Pressure	96 dBa measured at 3.1 ft (1 m)
Maximum Delivery Rating:	
Base Coat Pump	3.0 gpm (11.36 liter/min)
Top Coat Pump	2.20 gpm (8.33 liter/min)
Maximum Tip Nozzle Size:	
Base Coat Pump	1 applicator with .071 in. tip or 10 mm Nozzle
Top Coat Pump	1 gun with 0.048 in. tip nozzle
	2 guns with 0.035 in. tip nozzle
	3 guns with 0.027 in. tip nozzle
	4 guns with 0.023 in. tip nozzle
Inlet Paint Strainer:	
Base Coat Pump	2 in. npsm, #5 mesh sst
Top Coat Pump	1 in. npsm, #8 mesh sst
Pump Inlet Size:	
Base Coat Pump	2 in. QD Camlock male coupler
Top Coat Pump	1 in 11.5 npsm
Fluid Outlet Size:	
Base Coat Pump	1 in. QD Camlock male coupler
Top Coat Pump	3/8 npsm
Wetted Parts:	zinc-plated carbon steel, PTFE, nylon, polyurethane, UHMW, polyethyl- ene, fluoroelastomer, acetal, leather, aluminum, tungsten carbide, nickel- and zinc-plated carbon steel, stainless steel, chrome plating

### Dimensions

Part	Weight Ib (kg)	Height in. (cm)	Width in. (cm)	Length in. (cm)
HTX 2030 Sprayer	155 (70.5)	34.25 (87.0)	24.5 (62.2)	33.0 (83.8)
3/4 in. Hose	29 (13.2)	—	—	—
Applicator/Swivel	3 (1.3)	—	—	—

# Notes


Notes

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# **Graco Standard Warranty**

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.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

### THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

#### FOR GRACO CANADA CUSTOMERS

The Parties acknowledge that they have required that the present document, as well as all documents, notices and legal proceedings entered into, given or instituted pursuant hereto or relating directly or indirectly hereto, be drawn up in English. Les parties reconnaissent avoir convenu que la rédaction du présente document sera en Anglais, ainsi que tous documents, avis et procédures judiciaires exécutés, donnés ou intentés, à la suite de ou en rapport, directement ou indirectement, avec les procédures concernées.

#### TO PLACE AN ORDER, contact your Graco distributor, or call 1-800-690-2894 to identify the nearest distributor.

All written and visual data contained in this document reflects the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

This manual contains: English.

mm 313889 Graco Headquarters: Minneapolis International Offices: Belgium, Korea, China, Japan

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