

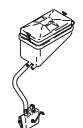
LineLazer III 200_{HS}

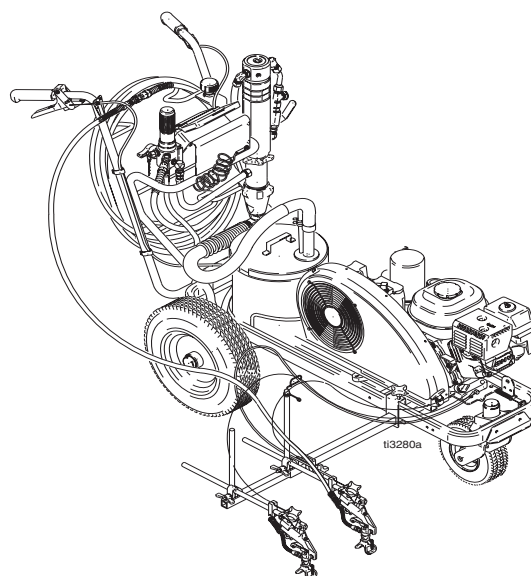
309892A



Read all Warnings and Instructions

3300 psi (227 bar, 22.7 MPa) Maximum Working Pressure

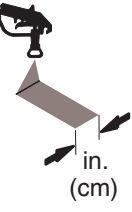
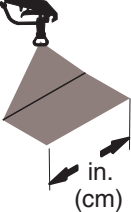
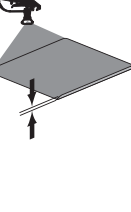
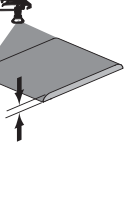
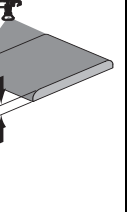
					
234240	✓		✓		
234241		✓	✓		
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234245		✓	✓		✓



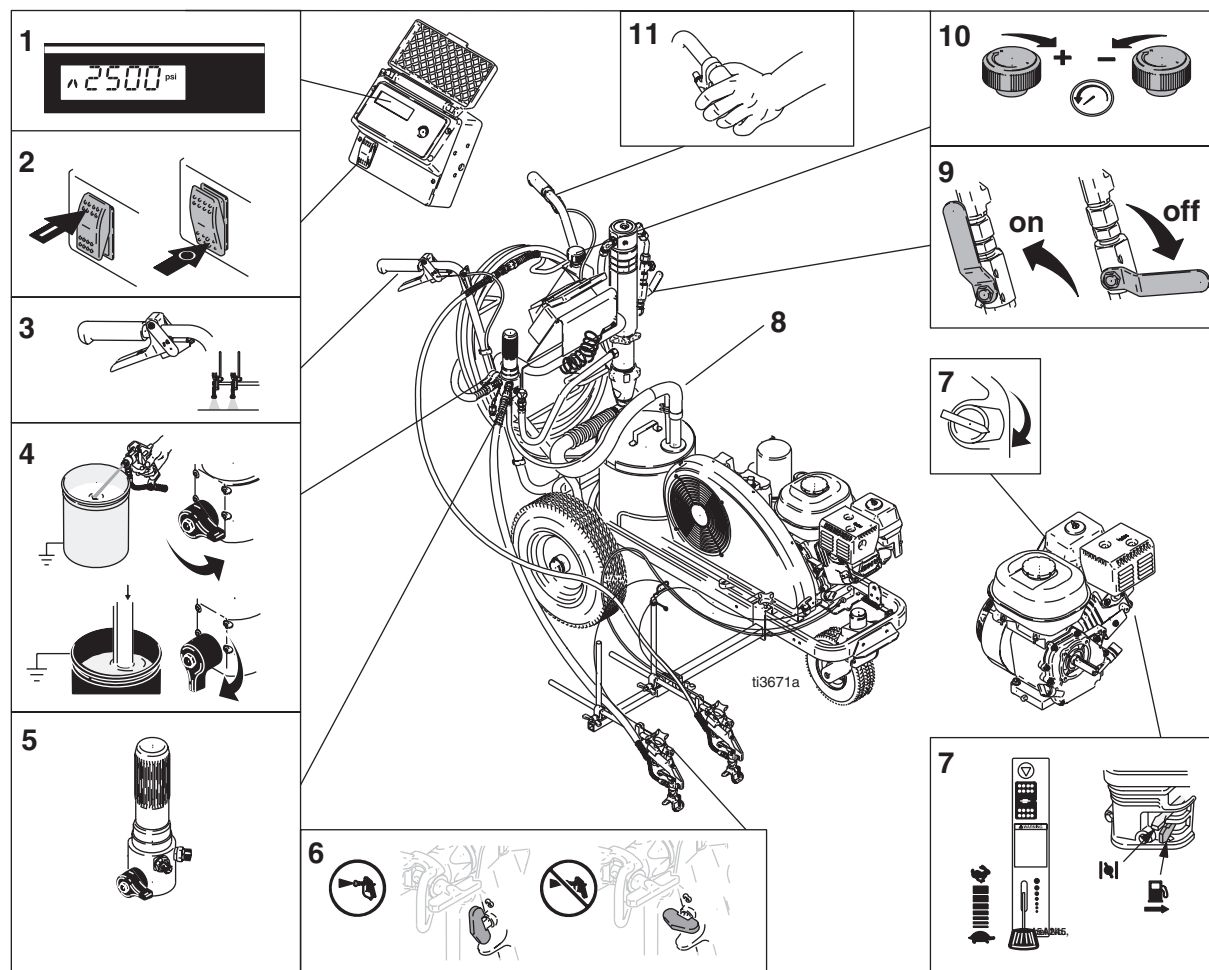
PROVEN QUALITY. LEADING TECHNOLOGY.

WARNING		MISE EN GARDE
FIRE AND EXPLOSION HAZARD		DANGER D'INCENDIE ET D'EXPLOSION
Solvent and paint fumes can ignite or explode. To help prevent a fire and explosion: • Use only in an extremely well ventilated area. • Eliminate all ignition sources; such as pilot lights, cigarettes and plastic drop cloths (static arc hazard). Do not plug or unplug power cords or turn lights on or off in spray area. • Ground Sprayer, object being sprayed, paint and solvent pails. • Hold gun firmly to side of grounded pail when triggering into pail. • Use conductive airless paint hose. • Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment. Such use could result in a chemical reaction, with the possibility of explosion. • Do not fill fuel tank while engine is running or hot. • Do not flush with gasoline. • Do not touch hot surfaces.		Les gaz de solvant et de peinture peuvent s'enflammer ou exploser. Pour empêcher tout incendie and explosion: • N'utiliser l'appareil que dans une zone extrêmement bien aérée • Supprimer toutes les source de feu, telles que les veilleuses, cigarettes et bâches plastique (risque de décharge d'électricité statique). Ne pas brancher ou débrancher de cordons d'alimentation ni allumer ou éteindre une lampe sur le site de pulvérisation. • Raccorder le pulvérisateur, l'objet à peindre et les seaux de peinture et de solvant à la terre. • Tenir le pistolet fermement contre la paroi d'un seau mis à la terre lorsqu'on pulvérise dans le seau. • N'utiliser que des flexibles de peinture conducteurs sans air. • Ne jamais utiliser de trichloroéthane-1,1,1, de chlorure de méthylène, d'autres solvants à base d'hydrocarbures halogénés ou des fluides contenant de tels solvants dans une unité sous pression en aluminium. Cela pourrait provoquer une réaction chimique avec risque d'explosion.
FLUID INJECTION AND HIGH PRESSURE HAZARD		DANGER D'INJECTION FLUIDE ET HAUTE PRESSION
High pressure spray or leaks can inject fluid into the body. To help prevent injection, always: • Engage trigger safety latch when not spraying. • Keep clear of nozzle and leaks. • Do PRESSURE RELIEF if you stop spraying or begin servicing sprayer. • Do not use components rated less than sprayer Maximum Working Pressure. • Never allow children to use this unit. • Wear protective eyewear, clothing and respirator as recommended by fluid and solvent manufacturers. If high pressure fluid pierces your skin, the injury might look like "just a cut". But it is a serious wound! Get immediate medical attention.		La pulvérisation sous haute pression ou les fuites peuvent injecter des fluides dans le corps. Pour éviter toute injection, toujours: • Verrouiller la gâchette à chaque arrêt de la pulvérisation. • Se tenir loin de la buse et des fuites. • RELÂCHER LA PRESSION à la fin de la pulvérisation ou avant de réparer le pulvérisateur. • Ne pas utiliser de composants dont la pression nominale est inférieure à la Pression maximale de service du système. • Ne jamais permettre aux enfants d'utiliser cet appareil. Si du liquide sous haute pression est injecté sous la peau, la blessure peut avoir l'apparence «d'une simple coupure», mais c'est en fait une blessure sérieuse! Consulter un médecin immédiatement.
MOVING PARTS HAZARD		DANGER DE PIÈCES DE MOBILES
Moving parts can cause serious injury. To help prevent injury from moving parts: • Shut off sprayer when repairing. • Install all covers, gaskets, screw and washers before operating. • Do not touch moving parts with fingers or tools when testing repairs.		Les pièces mobiles peuvent causer des dommages sérieux. Pour aider à empêcher des dommages des pièces mobiles: • Coupez le pulvérisateur en réparant. • Installez tout les couvertures, garnitures, vis et rondelles avant l'opération. • Ne touchez pas les pièces mobiles avec des doigts ou des outils en examinant des réparations.
FLYING PARTS HAZARD		DANGER DE PIÈCES DE VOL
Flying parts can cause serious injury. To help prevent injury from flying parts: • Wear safety glasses when repairing hydraulic pump • Keep personnel from repair area when repairing hydraulic pump. • Make sure displacement pump pin is secured by retaining ring.		Les pièces de vol peuvent causer des dommages sérieux. Pour aider à empêcher des dommages des pièces de vol: • Verres des sûreté d'usage en réparant la pompe hydraulique. • Gardez le personnel du secteur de réparation en réparant la pompe hydraulique. • S'assurent la goupille la pompe de déplacement est fixée par le circlip.

Tip Selection

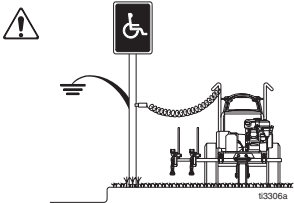
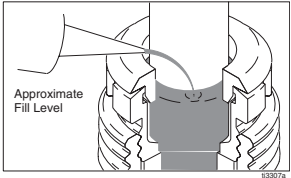
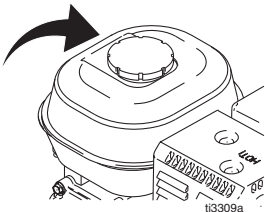
								
221203*	2 (5)					✓		
LL5213*	2 (5)							✓
LL5215*		4 (10)				✓		
LL5217		4 (10)					✓	
LL5219		4 (10)						✓
LL5315		4 (10)				✓		
LL5317		4 (10)					✓	
LL5319		4 (10)					✓	
LL5321		4 (10)						✓
LL5323		4 (10)						✓
LL5327†		4 (10)						✓
LL5417#			4 - 8 (10 - 20)			✓		
LL5419#			4 - 8 (10 - 20)				✓	
LL5421#			4 - 8 (10 - 20)					✓
LL5621				8 - 12 (20 - 30)		✓		
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LL5627				8 - 12 (20 - 30)				✓

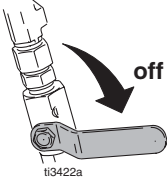
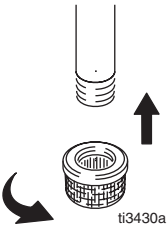
	English	Français	Español	Italiano	Nederlands	Portugues
*	Use 100 mesh filter to reduce tip clogs					
#	Best for LineDriver					
†	Best for cold weather					

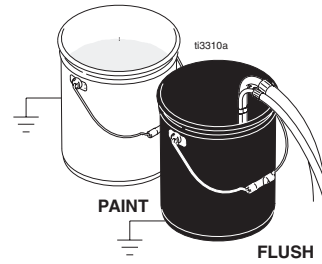
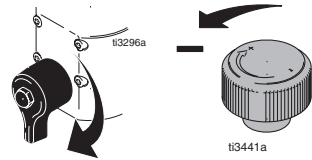


	English
1	Display
2	Main ON/OFF switch
3	Spray gun control
4	Prime/Spray valve
5	Filter
6	Trigger lock
7	Engine/Controls
8	Drain and siphon tubes
9	Pump valve
10	Pressure control
11	Turn control

Setup

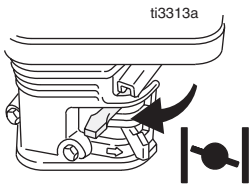
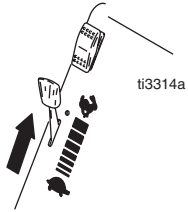
   			   
			
1 Ground sprayer with grounding clamp during Setup and Cleanup.	2 Fill throat packing nut with TSL to decrease packing wear. Do this each time you spray and store.	3 Check engine oil level. Add SAE 10W-30, if necessary.	4 Fill fuel tank.

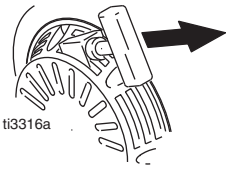
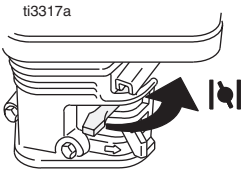
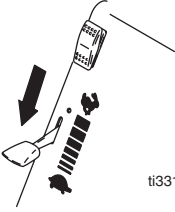
 ti3431a Safe Range (cold)	 ti3422a off	 ti3430a	
5 Check hydraulic oil level. Add Graco hydraulic oil, Grade 46, 169236 (5 gallon/18.9 liter) or 207428 (1 gallon/3.8 liter). Hydraulic tank capacity is 1 gallon(3.8 liter).	6 Set pump valve OFF.	7 Install new strainer.	

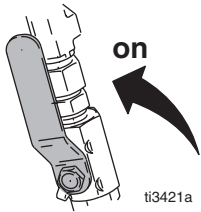
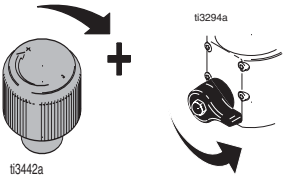
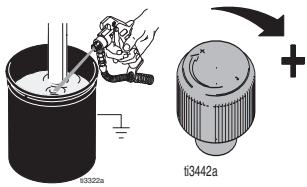


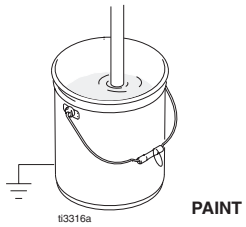
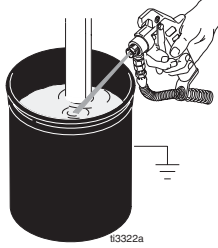
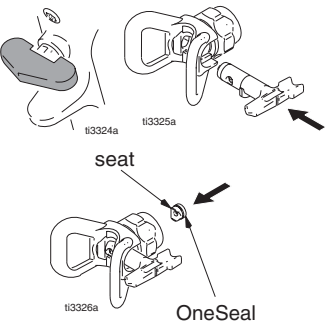
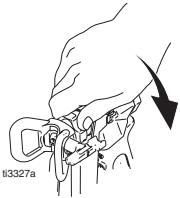
- | | |
|---|---|
| <p>8 Turn prime valve down. Turn pressure control counter-clockwise to lowest pressure.</p> | <p>9 Place siphon tube set in grounded metal pail partially filled with flushing fluid. Attach ground wire to pail and to true earth ground. Do 1. - 5. of Startup to flush out storage oil shipped in sprayer. Use water to flush water-base paint and mineral spirits to flush oil-base paint and storage oil.</p> |
|---|---|

Startup

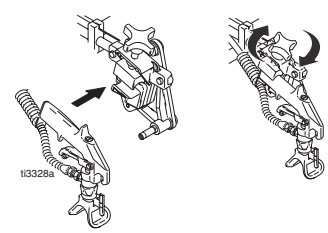
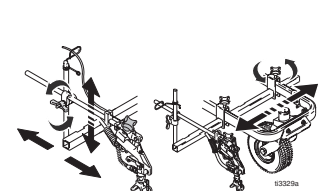
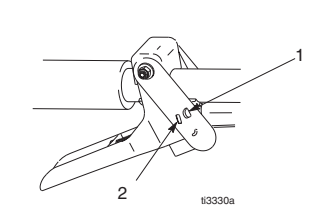
			
1 Start engine.			
a Move fuel valve to open	b Move choke to closed	c Set throttle to fast	d Set engine switch ON

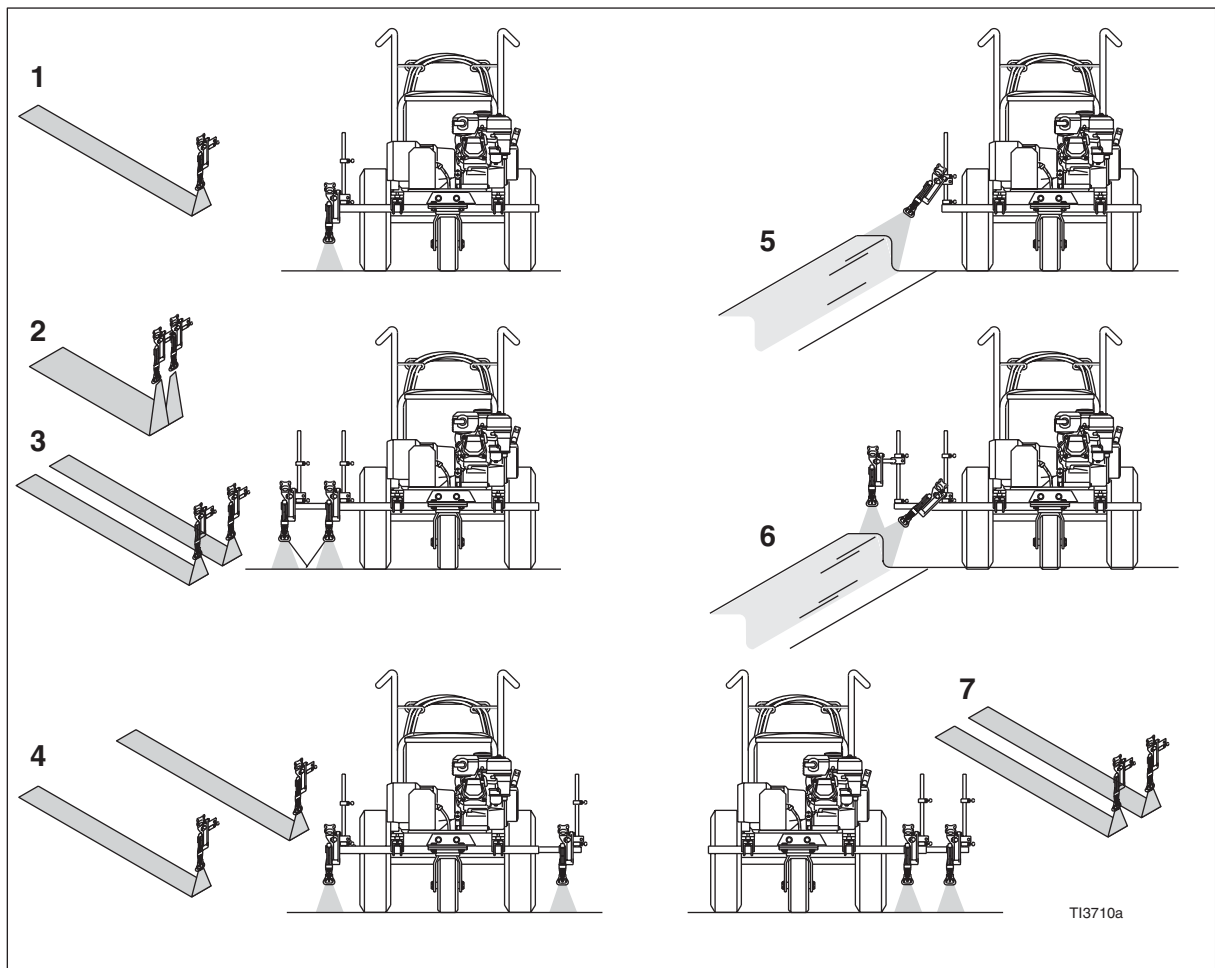
 ti3316a	 ti3317a	 ti3318a	 ti3302a
e Pull starter cord	f After engine starts, move choke to open	g Set throttle to desired setting	Digital display is functional after engine starts.

			
2 Set pump valve ON. - Hydraulic motor is now active -	3 Increase pressure enough to start hydraulic motor stroking and allow fluid to circulate for 15 seconds; turn pressure down, turn prime valve horizontal.	4 Take spray gun trigger safety OFF	5 Hold gun against grounded metal flushing pail. Trigger gun and increase fluid pressure slowly until pump runs smoothly.

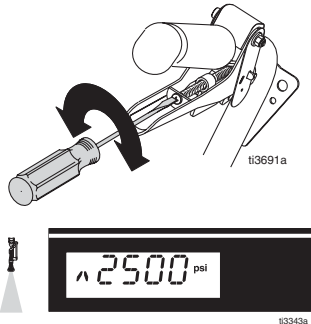
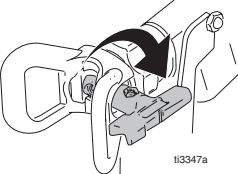
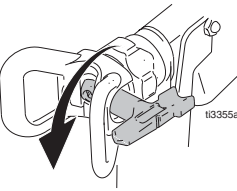
			
6 Place siphon tube in paint pail.	7 Trigger gun again into flushing fluid pail until paint appears. Assemble tip and guard.	SwitchTip and Guard Assembly 1 Engage trigger safety. Insert SwitchTip. Insert seat and OneSeal.	2 Screw assembly onto gun. Hand tighten.

Gun Placement

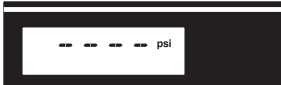
			a  ti3331a b  ti3332a c  ti3342a
Install Gun	Position Gun	Select Gun	
1 Insert gun into gun holder. Tighten clamp.	2 Position gun up/down, for- ward/reverse, left/right. See examples, page 13.	3 Connect gun cables to left or right gun selector plates.	a One gun: Disconnect one gun selector plate from trigger. b Both guns simultaneously: Adjust both gun selector plates to position 1. c Solid-skip and skip-solid: Adjust solid-line gun to position 1 and skip-line gun to position 2.

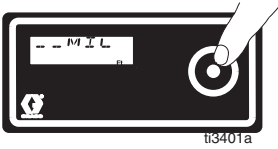
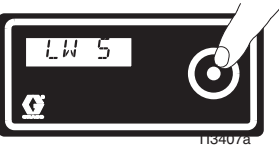


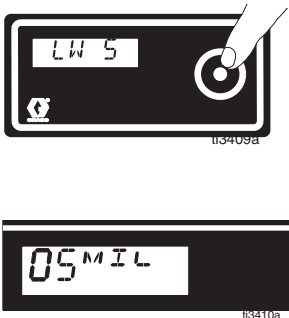
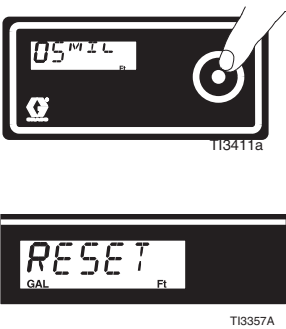
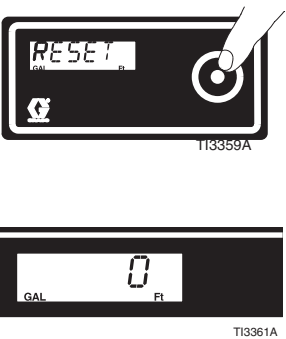
	English
1	One line
2	One line up to 24 in. (610 cm) wide.
3	Two lines
4	One line or two lines to spray around obstacles
5	One gun curb
6	Two gun curb
7	Two lines or one line up to 24 in. (610 cm) wide.

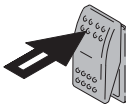
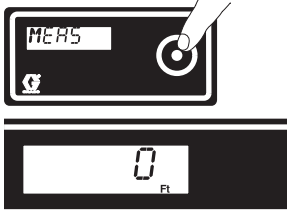
		 2 	
Trigger Sensor Adjustment Adjust screw in handle to syn- chronize spray icon  with fluid spray.		Clearing Tip Clogs 1 Release trigger, put trigger safety ON. Rotate SwitchTip. Take trigger safety OFF and trigger gun to clear the clog. Never point gun towards your hand or into a rag!	2 Put trigger safety ON, return SwitchTip to original posi- tion, take trigger safety OFF and continue spraying.

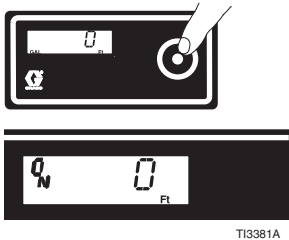
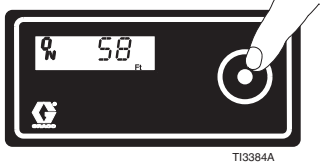
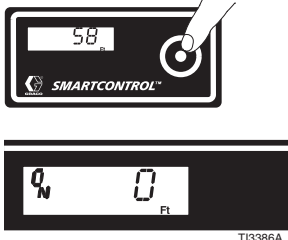
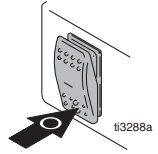
Digital Tracking System (DTS)

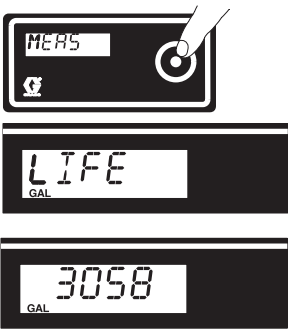
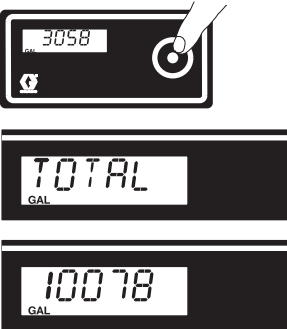
 ti3356a	 ti3364a  ti3369a OR  ti3378a	 ti3389a	 ti3399a  ti3400a
Operation - Main Menu			
Short press moves to next display. Long press changes units or resets data.	1 Start engine, page 8. Sprayer Model displays briefly. e.g. 200HS Pressure display appears. Dashes appear when pressure is less than 200 psi (14 bar, 1.4 MPa).	2 Short press DTS button to move to Speed (miles per hour or kilometers per hour).	3 Short press DTS button to move to rolling average Film Build (mils or microns). Note: Displays the average wet film build over the last 20 ft (6 m) sprayed. The proper line width (LW) must be selected, step 7.

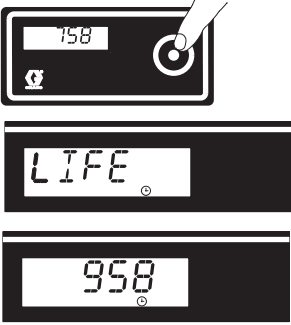
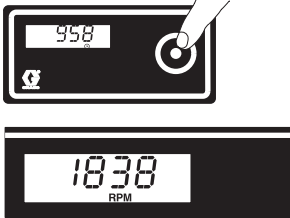
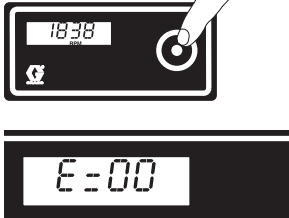
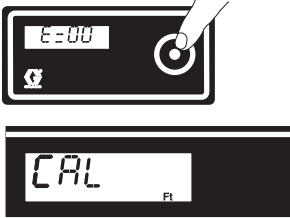
 ti3401a ti3402a	 ti3403a ti3404a	 ti3405a ti3406a	 ti3407a ti3408a
4 Short press DTS button to move to Job Distance (ft or m). Note: Displays the linear line length applied since the last reset. See Reset screen, step 9.	5 Short press DTS button to move to Job Material Counter. Note: Displays material sprayed (gallons or liters x 10) since the last reset.	6 Short press DTS button to move to Line Width (LW) Selector. Note: Displays the line width used to calculate film build (in. or cm).	7 Press and hold DTS button to change LW. LW changes from 2 - 12 in. (5 - 30 cm). Release DTS button when desired LW appears. Note: If your distance reading is feet, LW is inches. If your distance reading is meters, LW is centimeters.

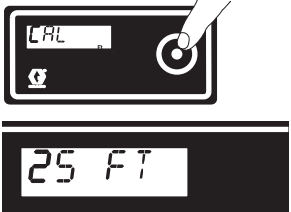
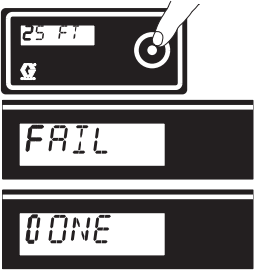
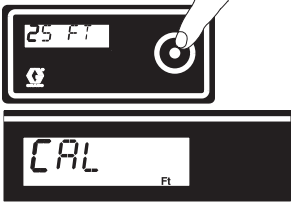
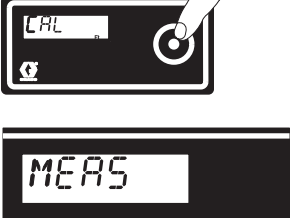
 TI3409A TI3410A	 TI3411A TI3357A	 TI3359A TI3361A	 TI3363A TI3366A
8 Short press DTS button to move to Job Film Build. Note: Displays the average wet film build (mils or microns) since the last reset.	9 Short press DTS button to move to job RESET display.	10 Press and hold DTS button to reset job distance, job material and film build values to zero,	or short press DTS button to return to Pressure display.

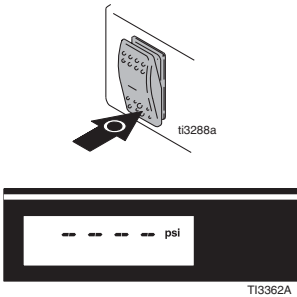
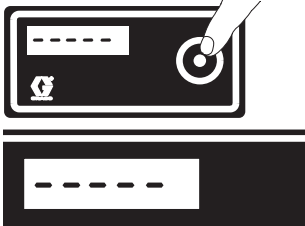
 TI3368A  TI3362A OR  TI3372A	 TI3374A + 	 TI3376A	 TI3379A
DTS Secondary Menu 1 Start engine, page 7. Pressure display appears	2 Simultaneously press DTS button and set ON/OFF switch ON.	Measure Mode display appears Use Measure Mode to measure unknown distances	3 To use Measure Mode, press and hold DTS button until distance display appears. To skip Measure Mode, short press DTS button, to go to step 4.

 TI3381A	 TI3384A	 TI3386A	 TI3288a
a Short press DTS again to start measuring. ON appears on left side of display. Now push striper and measured distance appears in display.	b Short press DTS again to stop measuring. Note: Repeated short presses of DTS alternately turn Measure mode on and off.	c Press and hold DTS button to reset to zero.	d Set ON/OFF switch OFF to exit Measure mode.

 TI3387A	 TI3391A	 TI3393A	 TI3394A
4 Short press DTS button to move from MEAS display to LIFE material counter display. LIFE appears momentarily, then life time gallons (liters x 10) sprayed above 1000 psi (70 bar, 0,7 MPa).	5 Short press DTS button to move to Total Material Counter. TOTAL appears momentarily, then total gallons (liters x 10) pumped at all pressures.	6 Short press DTS button to move to SPRAY (distance). MILES or KILOMETERS scrolls across display, then total length of lines applied.	7 Short press DTS button to move to TOTAL (distance). MILES or KILOMETERS scrolls across display, then total distance traveled, with or without spraying.

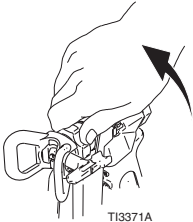
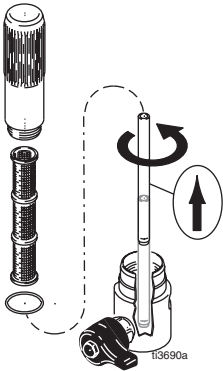
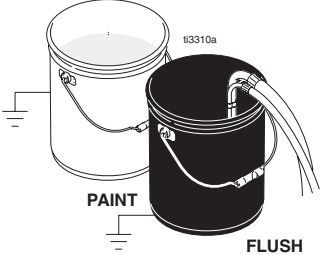
 TI3395A	 TI3396A	 TI3397A	 TI3398A
8 Short press DTS button to move to Engine Hour display. LIFE and the clock symbol will appear, then the lifetime engine run hours.	9 Short press DTS button to move to live Engine RPM display.	10 Press DTS button to move to stored error code. Press and hold DTS button to clear error code to E=00. See Manual 309896.	11 Short press to move to distance calibration display.

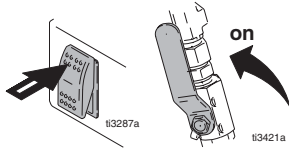
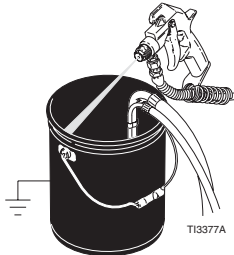
 ti3419a	Roll 25ft or 10 m  TI3358A	 TI3360A	 ti3418a
12 To calibrate distance meter, accurately measure out 25 ft or 10 m and move machine to start point. While CAL is showing, press and hold DTS button until 25 ft or 10 m flashes.	13 Move LineLazer exactly 25 ft or 10 m. Do not back up. Press DTS button. DONE displays if calibration was successful or FAIL displays if not successful.	14 Press DTS again to return to CAL screen.	15 Short press DTS button to return to step 2, MEAS display.

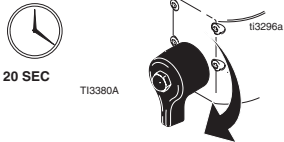
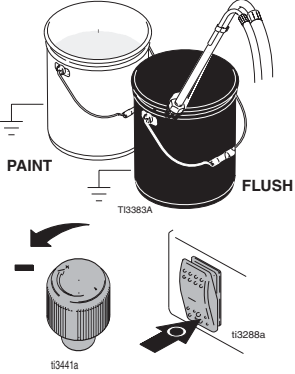
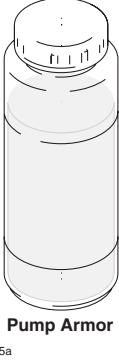
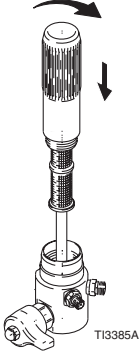
 TI3362A	 TI3365A	 TI3367A	 TI3367A
	Change Display Units		
15 Turn ON/OFF switch OFF at any time to exit Secondary Menu and return to pressure display.	Pressure: Press and hold (8 seconds) DTS button to change pressure units (psi, bar, MPa), to desired units.	Volume: Press and hold (8 seconds) DTS button to change volume units (GAL, LITER10).	Distance: Press and hold (8 seconds) DTS button to change distance units (ft or m). Note: This also changes film build (mils or microns) and speed (mph or kph)

Cleanup

	Pressure Relief	Pressure Relief	Pressure Relief
1 Ground sprayer with ground- ing clamp.	2 Set pump valve OFF. Turn ON/OFF switch OFF.	3 Turn pressure to lowest set- ting. Trigger gun to relieve pres- sure	4 Turn prime valve down.

 TI3371A	 TI3690a TI3375A	 TI3375A FLUSH	 TI3310a FLUSH
5 Remove guard and SwitchTip.	6 Unscrew bowl, remove filter. Assemble without filter. Clean filter.	7 Clean filter, guard and SwitchTip in flushing fluid.	8 Remove siphon tube set from paint and place in flushing fluid. Use water for water base paint and mineral spirits for oil base paint.

			
9 Turn ON/OFF switch ON and start engine. Set pump valve ON.	10 Turn prime valve horizontal.	11 Hold gun against paint pail. Take trigger safety OFF. Turn pressure control up until motor begins to drive pump. Trigger gun until flushing fluid appears.	12 Move gun to flushing pail, hold gun against pail, trigger gun to thoroughly flush system. Release trigger and put trigger safety to ON.

			
13 Turn prime valve down and allow flushing fluid to circulate for 1 to 2 minutes to clean drain tube.	14 Raise siphon tube above flushing fluid and run sprayer for 15 to 30 seconds to drain fluid. Turn pump valve OFF . Turn ON/OFF switch OFF .	Caution: If flushing with water, flush again with mineral spirits, or Pump Armor, to leave a protective coating to prevent freezing or corrosion.	15 Make sure plastic center tube is tightened securely. Install filter bowl and filter. Hand tighten filter bowl.

 TI3388A	 TI3390A FLUSH		
16 Wipe sprayer, hose and gun with a rag soaked in water or mineral spirits.	17 Clean tip, guard and gasket with a soft bristle brush to prevent part failure due to dried materials. Assemble parts and attach loosely onto gun.		

Warranty / Garantie / Garantía / Garanzia / Garantia

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 by an authorized Graco distributor 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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