



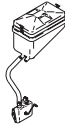
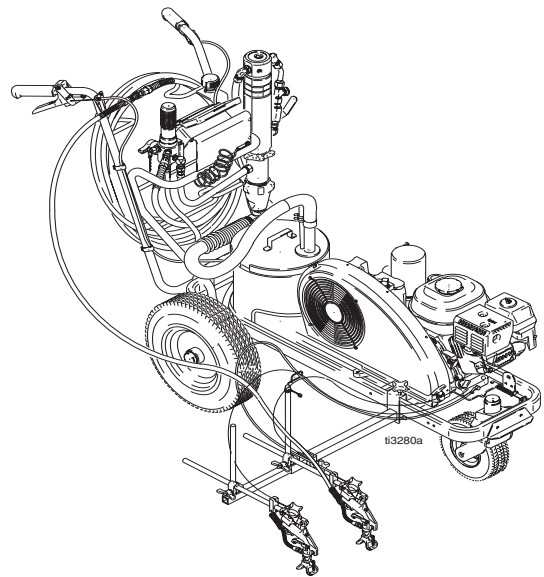


# LineLazer III 200Hs








309892B

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












					
234240	✓		✓		
234241		✓	✓		
234242	✓			✓	
234243		✓		✓	
234244	✓		✓		✓
234245		✓	✓		✓




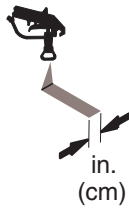
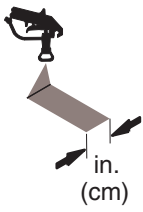
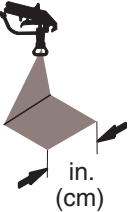
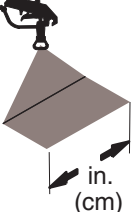
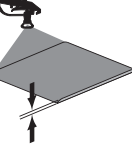
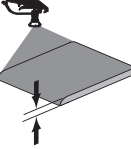
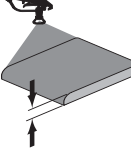
PROVEN QUALITY. LEADING TECHNOLOGY.

WARNING		MISE EN GARDE
<b>FIRE AND EXPLOSION HAZARD</b>		<b>DANGER D'INCENDIE ET D'EXPLOSION</b>
<p><b>Solvent and paint fumes can ignite or explode.</b>  <b>To help prevent a fire and explosion:</b></p> <ul style="list-style-type: none"> <li>• Use only in an extremely well ventilated area.</li> <li>• 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.</li> <li>• Ground Sprayer, object being sprayed, paint and solvent pails.</li> <li>• Hold gun firmly to side of grounded pail when triggering into pail.</li> <li>• Use conductive airless paint hose.</li> <li>• 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.</li> <li>• Do not fill fuel tank while engine is running or hot.</li> <li>• Do not flush with gasoline.</li> <li>• Do not touch hot surfaces.</li> </ul>		<p><b>Les vapeurs de solvant et de peinture peuvent s'enflammer ou exploser.</b>  <b>Pour empêcher tout incendie et explosion:</b></p> <ul style="list-style-type: none"> <li>• N'utiliser l'appareil que dans une zone extrêmement bien aérée.</li> <li>• 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.</li> <li>• Raccorder le pulvérisateur, l'objet à peindre et les seaux de peinture et de solvant à la terre.</li> <li>• Tenir le pistolet fermement contre la paroi d'un seau mis à la terre lorsqu'on pulvérise dans le seau.</li> <li>• Utiliser des flexibles de peinture conducteurs sans air.</li> <li>• 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.</li> <li>• Ne jamais remplir le réservoir de carburant quand le moteur tourne ou quand il est chaud.</li> <li>• Ne pas rincer à l'essence.</li> <li>• Ne pas toucher les surfaces chaudes.</li> </ul>
<b>FLUID INJECTION AND HIGH PRESSURE HAZARD</b>		<b>RISQUE D'INJECTION DE PRODUIT ET DANGER HAUTE PRESSION</b>
<p><b>High pressure spray or leaks can inject fluid into the body.</b>  <b>To help prevent injection, always:</b></p> <ul style="list-style-type: none"> <li>• Engage trigger safety latch when not spraying.</li> <li>• Keep clear of nozzle and leaks.</li> <li>• Do PRESSURE RELIEF if you stop spraying or begin servicing sprayer.</li> <li>• Do not use components rated less than sprayer Maximum Working Pressure.</li> <li>• Never allow children to use this unit.</li> <li>• Wear protective eyewear, clothing and respirator as recommended by fluid and solvent manufacturers.</li> </ul> <p>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.</p>		<p><b>La pulvérisation sous haute pression ou les fuites peuvent causer une injection de produit dans le corps.</b>  <b>Pour éviter toute injection, toujours:</b></p> <ul style="list-style-type: none"> <li>• Verrouiller la gâchette à chaque arrêt de la pulvérisation.</li> <li>• Se tenir loin de la buse et des fuites.</li> <li>• RELÂCHER LA PRESSION à la fin de la pulvérisation ou avant de réparer le pulvérisateur.</li> <li>• Ne pas utiliser de composants dont la pression nominale est inférieure à la Pression maximale de service du système.</li> <li>• Ne jamais permettre aux enfants d'utiliser cet appareil.</li> <li>• Porter des lunettes et vêtements de sécurité ainsi qu'un respirateur comme conseillé par les fabricants de produits et de solvants.</li> </ul> <p>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.</p>
<b>MOVING PARTS HAZARD</b>		<b>DANGERS DUS AUX PIÈCES EN MOUVEMENT</b>
<p><b>Moving parts can cause serious injury.</b>  <b>To help prevent injury from moving parts:</b></p> <ul style="list-style-type: none"> <li>• Shut off sprayer when repairing.</li> <li>• Install all covers, gaskets, screw and washers before operating.</li> <li>• Do not touch moving parts with fingers or tools when testing repairs.</li> </ul>		<p><b>Les pièces mobiles peuvent causer des blessures graves.</b>  <b>Pour prévenir les blessures causées par des pièces en mouvement :</b></p> <ul style="list-style-type: none"> <li>• Arrêter le pulvérisateur avant une réparation.</li> <li>• Remonter tous les couvercles, joints, vis et rondelles avant la remise en marche.</li> <li>• Ne pas toucher les pièces en mouvement avec les doigts ou un outil lors d'un contrôle après réparation.</li> </ul>
<b>FLYING PARTS HAZARD</b>		<b>RISQUES DUS AUX ELEMENTS VOLANTS</b>
<p><b>Flying parts can cause serious injury.</b>  <b>To help prevent injury from flying parts:</b></p> <ul style="list-style-type: none"> <li>• Wear safety glasses when repairing hydraulic pump.</li> <li>• Keep personnel from repair area when repairing hydraulic pump.</li> <li>• Make sure displacement pump pin is secured by retaining ring.</li> </ul>		<p><b>Les éléments volants peuvent causer des blessures graves.</b>  <b>Pour prévenir les blessures par éléments volants:</b></p> <ul style="list-style-type: none"> <li>• Porter des lunettes de sécurité lors d'une intervention sur une pompe hydraulique.</li> <li>• Tenir le personnel à l'écart de la zone de réparation pour toute intervention sur une pompe hydraulique.</li> <li>• S'assurer que la broche du bas de pompe est bloquée par une bague de fixation.</li> </ul>

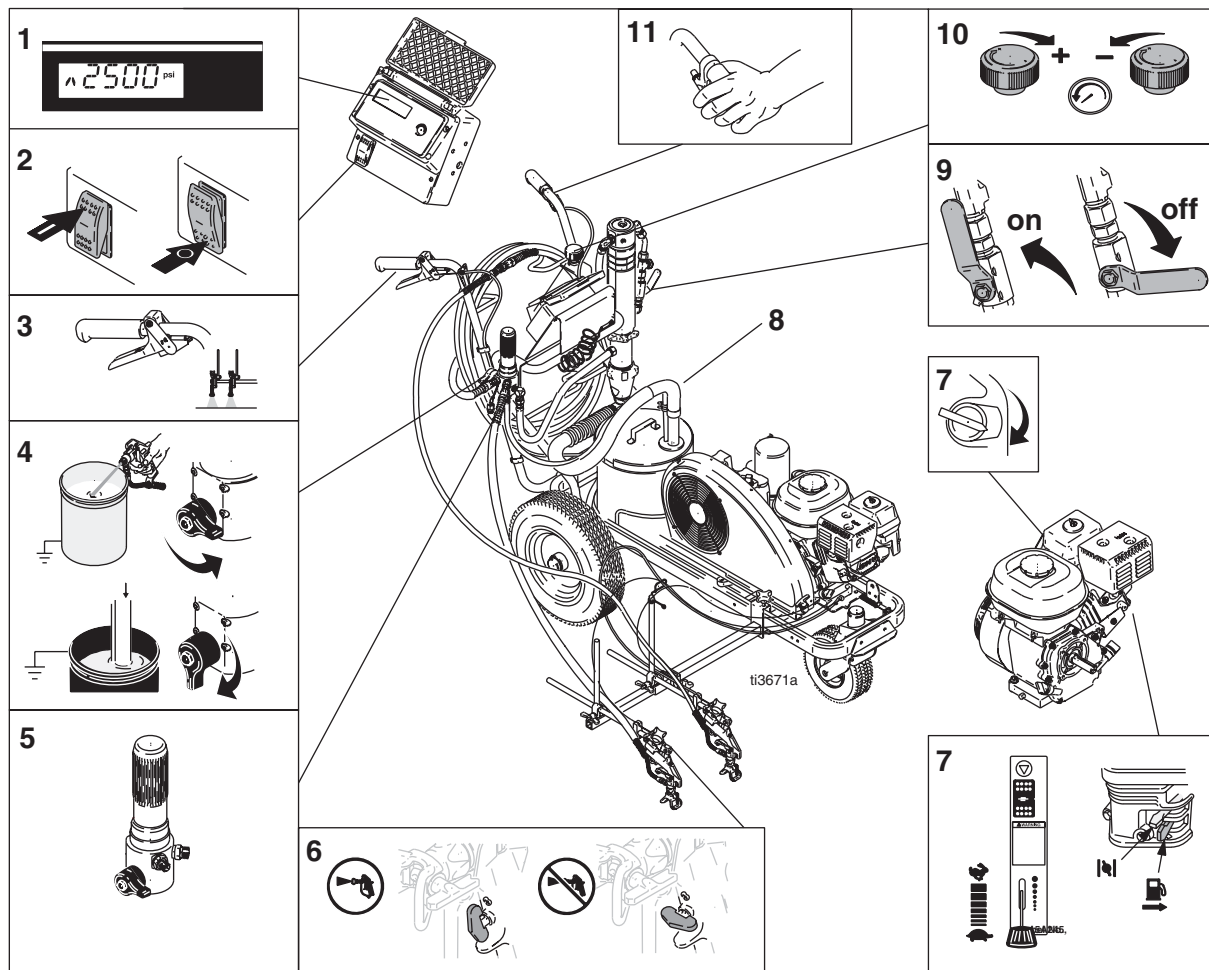
ADVERTENCIA		PERICOLO
<p><b>PELIGRO DE INCENDIOS Y EXPLOSIONES</b></p>		<p><b>PERICOLO DI INCENDI ED ESPLOSIONI</b></p>
<p><b>Los vapores de disolvente o de pintura pueden incendiarse o explotar.</b>  <b>Para ayudar a evitar que se produzca un incendio o una explosión:</b></p> <ul style="list-style-type: none"> <li>• Utilice únicamente en un área muy bien ventilada.</li> <li>• Elimine toda fuente de ignición, tales como las luces piloto, los cigarrillos y las cubiertas de plástico (peligro de arcos estáticos). No enchufe ni desenchufe cables de alimentación ni apague ni encienda las luces en el área de pulverización.</li> <li>• Conecte a tierra el pulverizador, el objeto que esté pintando y las latas de disolvente.</li> <li>• Sujete firmemente la pistola contra el lateral de una lata conectada a tierra mientras dispara la pistola hacia el interior de la misma.</li> <li>• Utilice únicamente mangueras de pintura sin aire, conductoras eléctricamente.</li> <li>• No utilice 1,1,1 tricloroetano, cloruro de metileno y otros disolventes de hidrocarburos halogenados o productos que contengan dichos disolventes con equipos de aluminio presurizados. Esas sustancias podrían provocar peligrosas reacciones químicas con posibilidad de explosión.</li> <li>• No rellene el depósito de combustible mientras el motor esté en marcha o todavía esté caliente.</li> <li>• No lave con gasolina.</li> <li>• No toque las superficies calientes.</li> </ul>	  	<p><b>Il solvente ed i fumi di vernici possono esplodere o prendere fuoco.</b>  <b>Per prevenire incendi ed esplosioni:</b></p> <ul style="list-style-type: none"> <li>• Utilizzare solo in aree estremamente ben ventilate.</li> <li>• Eliminare tutte le fonti di incendio; come le fiamme pilota, le sigarette e le coperture in plastica (pericolo di archi statici). Non collegare o scollegare i cavi di alimentazione o accendere o spegnere luci nell'area di spruzzatura.</li> <li>• Collegare a terra lo spruzzatore, l'oggetto che viene spruzzato ed i secchi di vernice e di solvente.</li> <li>• Tenere ferma la pistola su un lato di un secchio collegato a terra quando si attiva nel secchio.</li> <li>• Utilizzare flessibili per verniciatura airless conduttivi.</li> <li>• Nelle pompe di alluminio pressurizzate non utilizzare mai 1,1,1-tricloroetano, cloruro di metilene, altri solventi a base di idrocarburi alogenati o fluidi contenenti tali solventi. Il loro utilizzo può provocare una reazione chimica con una possibile esplosione.</li> <li>• Non riempire il serbatoio di carburante mentre il motore è in funzione o è caldo.</li> <li>• Non lavare con benzina.</li> <li>• Non toccare le superfici calde.</li> </ul>
<p><b>PELIGRO DE INYECCIÓN DE FLUIDO Y DE ALTA PRESIÓN</b></p>		<p><b>PERICOLO DA INIEZIONE DI FLUIDO ED ALTA PRESSIONE</b></p>
<p><b>La pulverización o las fugas a alta presión pueden inyectar fluido en el cuerpo.</b>  <b>Para ayudar a evitar la inyección, siempre:</b></p> <ul style="list-style-type: none"> <li>• Enganche el seguro del gatillo cuando no esté pulverizando.</li> <li>• Manténgase alejado de la boquilla y de las fugas.</li> <li>• Realice el procedimiento de DESCOMPRESIÓN si deja de pulverizar fluido o repara el pulverizador.</li> <li>• No use componentes cuya presión nominal sea menor que la presión máxima de funcionamiento del pulverizador.</li> <li>• No permita que niños usen esta unidad.</li> <li>• Utilice gafas, guantes, vestimentas protectoras y equipo de respiración, tal como recomiendan los fabricantes del líquido y del disolvente.</li> </ul> <p>Si el fluido a alta presión penetra la piel, la herida puede parecer "un simple corte". ¡Pero se trata de una herida grave! Consiga inmediatamente atención médica.</p>	  	<p><b>Spruzzi o perdite ad alta pressione possono iniettare fluido nel corpo.</b>  <b>Per prevenire le iniezioni di fluido, sempre:</b></p> <ul style="list-style-type: none"> <li>• Innescare sempre il gancio di sicurezza quando non si spruzza.</li> <li>• Tenersi lontano dall'ugello e dalle perdite.</li> <li>• SCARICARE LA PRESSIONE se si arresta la spruzzatura o si eseguono interventi di manutenzione sullo spruzzatore.</li> <li>• Non utilizzare componenti con una pressione inferiore alla massima pressione di esercizio del sistema.</li> <li>• Non consentire ai bambini di utilizzare questa unità.</li> <li>• Indossare occhiali protettivi, indumenti e un respiratore come raccomandato dal produttore del fluido e del solvente.</li> </ul> <p>Se fluido ad alta pressione ferisce la pelle, la lesione può sembrare un "semplice taglio". Ma è una lesione grave. Richiedere assistenza medica immediata.</p>
<p><b>PELIGRO DE PIEZAS EN MOVIMIENTO</b></p>		<p><b>PERICOLO DA PARTI MOBILI</b></p>
<p><b>Las piezas móviles pueden causar lesiones graves.</b>  <b>Para ayudar a evitar las lesiones causadas por piezas móviles:</b></p> <ul style="list-style-type: none"> <li>• Apague el pulverizador antes de repararlo.</li> <li>• Instale todas las tapas, juntas, tornillos y arandelas antes de utilizar el pulverizador.</li> <li>• No toque ninguna pieza móvil o pieza eléctrica con los dedos o con una herramienta cuando inspeccione las reparaciones.</li> </ul>		<p><b>Le parti mobili possono provocare lesioni gravi.</b>  <b>Per ridurre il rischio da parti in movimento:</b></p> <ul style="list-style-type: none"> <li>• Spegnere lo spruzzatore durante le riparazioni.</li> <li>• Installare tutti i coperchi, le guarnizioni, le viti e le rondelle prima di mettere in funzione lo spruzzatore.</li> <li>• Non toccare parti in movimento con le dita o qualsiasi altro strumento quando si collaudano le riparazioni.</li> </ul>
<p><b>PELIGRO DE PIEZAS VOLANTES</b></p>		<p><b>PERICOLO DA PARTI VOLANTI</b></p>
<p><b>Las piezas volantes pueden causar lesiones graves.</b>  <b>Para ayudar a evitar las lesiones causadas por las piezas volantes:</b></p> <ul style="list-style-type: none"> <li>• Utilice gafas de seguridad cuando repare la bomba hidráulica.</li> <li>• Mantenga al personal alejado de la zona de reparación cuando repare la bomba hidráulica.</li> <li>• Asegúrese de que el pasador de la base de bomba está bien sujeto por el anillo de retención.</li> </ul>		<p><b>Le parti volanti possono provocare lesioni gravi.</b>  <b>Per ridurre il rischio da parti volanti:</b></p> <ul style="list-style-type: none"> <li>• Indossare occhiali protettivi quando si ripara la pompa idraulica.</li> <li>• Tenere il personale lontano dall'area di riparazione quando si ripara la pompa idraulica.</li> <li>• Assicurarsi che il perno del pompante sia fissato da un anello di ritenzione.</li> </ul>

WAARSCHUWING		ADVERTÊNCIA
<b>BRAND- EN EXPLOSIEGEVAAR</b>		<b>PERIGO DE INCÊNDIO E EXPLOSÃO</b>
<p><b>Dampen van oplosmiddel en verf kunnen tot ontbranding komen of exploderen.</b></p> <p><b>Om brand en explosie te voorkomen:</b></p> <ul style="list-style-type: none"> <li>• Alleen in een bijzonder goed geventileerde ruimte werken.</li> <li>• Zorg dat er geen ontstekingsbronnen zijn, zoals waakvlammen, sigaretten en plastic druppelvangers (deze kunnen statische vonkoverslag geven). Haal geen stekkers uit stopcontacten, steek geen stekkers in stopcontacten en doe geen lampen aan of uit in het spuitgebied.</li> <li>• Aard het spuittoestel, het te spuiten voorwerp, en de emmers met verf en oplosmiddel.</li> <li>• Houd het pistool stevig tegen de zijkant van een gearde emmer gedrukt terwijl u in de emmer spuit.</li> <li>• Gebruik gearde slangen voor airless spuiten.</li> <li>• Gebruik in aluminium apparatuur onder druk geen oplosmiddelen of spuitvloeistoffen die 1,1,1-trichloorethaan, methyleenchloride of andere gehalogeneerde koolwaterstoffen bevatten. Dit kan namelijk leiden tot chemische reacties, met kans op ontploffingen.</li> <li>• De brandstoftank niet vullen terwijl de motor draait of heet is.</li> <li>• Niet met benzine spoelen.</li> <li>• Hete oppervlakken niet aanraken.</li> </ul>	  	<p><b>Os solventes e os vapores da tinta poderão explodir ou incendiar.</b></p> <p><b>Para evitar incêndio e explosão:</b></p> <ul style="list-style-type: none"> <li>• Utilize unicamente em áreas extremamente bem ventiladas.</li> <li>• Elimine todas as fontes de ignição como, por exemplo, luzes piloto, cigarros e plásticos de protecção (perigo de arco estático); não ligue nem desligue cabos eléctricos nem acenda ou apague luzes na área da pintura.</li> <li>• Ponha em contacto com a terra o equipamento, o objecto a ser pintado, e os baldes de tinta e de solventes.</li> <li>• Segure a pistola firmemente apoiando-a na parede do balde em contacto com a terra, quando estiver a descarregar para dentro do mesmo.</li> <li>• Utilize somente tubos flexíveis condutores para pintura a alta pressão.</li> <li>• Não utilize 1,1,1-tricloroetano, cloreto de metileno, outros solventes de hidrocarbonetos halogenados ou líquidos contendo tais solventes em equipamento de alumínio pressurizado; tal utilização poderá resultar numa reacção química, com possibilidade de explosão.</li> <li>• Não abasteça o depósito de combustível com o motor em funcionamento ou quente.</li> <li>• Não lave com gasolina.</li> <li>• Não toque em superfícies quentes.</li> </ul>
<b>GEVAAR VAN MATERIAALINJECTIE EN HOGE DRUK</b>		<b>PERIGO DE INJEÇÃO E DE LÍQUIDOS A ALTA PRESSÃO</b>
<p><b>Spuitmateriaal onder hoge druk, ook uit lekken, kan binnendringen in het lichaam.</b></p> <p><b>Om dit te voorkomen moet u altijd hierop letten:</b></p> <ul style="list-style-type: none"> <li>• Zet de veiligheidsval van de trekker in de geblokkeerde stand wanneer u niet spuit.</li> <li>• Blijf uit de buurt van de spuitmond en van lekken.</li> <li>• Voer de DRUKONTLASTINGSPROCEDURE uit wanneer u ophoudt met spuiten, of voordat u begint met onderhoudswerk.</li> <li>• Gebruik geen componenten die slechts geschikt zijn voor een lagere druk van de maximum werkdruk.</li> <li>• Sta nooit toe dat kinderen dit apparaat gebruiken.</li> <li>• Draag oogbescherming, beschermende kleding en ademhalingsbeschermers die de fabrikanten van de vloeistof en het oplosmiddel aanbevelen.</li> </ul> <p>Als vloeistof onder hoge druk door de huid is binnengedrongen kan de verwonding eruitzien als een "gewone snijwond". Maar het is een ernstige verwonding! Roep meteen medische hulp in.</p>	  	<p><b>A pintura ou as fugas a alta pressão podem injectar líquido na pele humana.</b></p> <p><b>Para evitar a injeção, faça sempre o seguinte:</b></p> <ul style="list-style-type: none"> <li>• Engate o dispositivo de segurança do gatilho quando não estiver a pintar.</li> <li>• Mantenha-se afastado dos bocais e locais onde houver fugas.</li> <li>• Efectue a DESCOMPRESSÃO quando parar de pintar e antes de iniciar a manutenção do equipamento.</li> <li>• Não utilize componentes com uma Pressão máxima de trabalho inferior à do equipamento.</li> <li>• Nunca permita que crianças utilizem esta unidade.</li> <li>• Utilize protecção para os olhos, vestuário protector e máscara como recomendado pelos fabricantes do produto e solvente.</li> </ul> <p>Se o líquido a alta pressão penetrar na pele, o ferimento poderá parecer "simplesmente um corte". Mas é um ferimento grave! Procure imediatamente assistência médica.</p>
<b>GEVAREN VAN BEWEGENDE DELEN</b>		<b>PERIGO RESULTANTE DE PEÇAS EM MOVIMENTO</b>
<p><b>Bewegende onderdelen kunnen ernstig letsel veroorzaken.</b></p> <p><b>Letstel door bewegende onderdelen helpen voorkomen:</b></p> <ul style="list-style-type: none"> <li>• Zet het spuitapparaat uit voor het herstelwerk.</li> <li>• Installeer alle kappen en deksels, pakkingen, schroeven en sluitringen, voordat u het toestel weer laat draaien.</li> <li>• Geen bewegende of elektrische onderdelen aanraken met uw handen of met gereedschap, als u de het herstelwerk aan het testen bent.</li> </ul>		<p><b>As peças em movimento podem provocar ferimentos graves.</b></p> <p><b>Para prevenir ferimentos causados por peças em movimento:</b></p> <ul style="list-style-type: none"> <li>• Desligue o equipamento durante a reparação.</li> <li>• Instale todas as tampas, juntas, parafuso e anilhas antes de utilizar o equipamento.</li> <li>• Não toque nas peças em movimento com os dedos ou ferramentas quando estiver a testar as reparações.</li> </ul>
<b>GEVAAR VAN RONDVLIEGENDE ONDERDELEN</b>		<b>PERIGO RESULTANTE DE PEÇAS PROJECTADAS</b>
<p><b>Rondvliegende onderdelen kunnen ernstig letsel veroorzaken.</b></p> <p><b>Letstel door rondvliegende onderdelen helpen voorkomen:</b></p> <ul style="list-style-type: none"> <li>• Draag een veiligheidsbril als u herstelwerk uitvoert aan een hydraulische pomp.</li> <li>• Houd personeel weg van de reparatieplek als u herstelwerk uitvoert aan een hydraulische pomp.</li> <li>• Zorg ervoor dat de pen van de verdringerpomp is vastgezet met de klemring.</li> </ul>		<p><b>As peças projectadas podem provocar graves ferimentos.</b></p> <p><b>Para prevenir ferimentos causados por peças projectadas:</b></p> <ul style="list-style-type: none"> <li>• Use óculos de protecção para reparar a bomba hidráulica.</li> <li>• Mantenha o pessoal afastado da área de reparação quando estiver a reparar a bomba hidráulica.</li> <li>• Certifique-se de que o pino do pistão de bombagem está fixo pelo anel retentor.</li> </ul>

## Tip Selection / Sélection des buses / Selección de la boquilla / Selezione ugelli / Tipkeuze / Selecção do bico



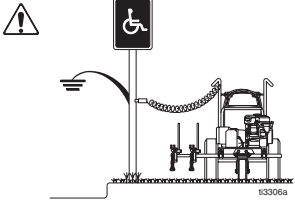
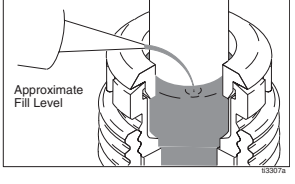

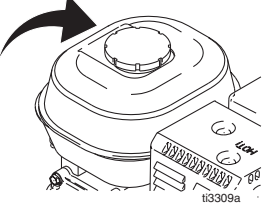
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LL5213*	2 (5)						✓
LL5215*		4 (10)			✓		
LL5217		4 (10)				✓	
LL5219		4 (10)					✓
LL5315		4 (10)			✓		
LL5317		4 (10)				✓	
LL5319		4 (10)				✓	
LL5321		4 (10)					✓
LL5323		4 (10)					✓
LL5327†		4 (10)					✓
LL5417#			4 - 8 (10 - 20)		✓		
LL5419#			4 - 8 (10 - 20)			✓	
LL5421#			4 - 8 (10 - 20)				✓
LL5621				8 - 12 (20 - 30)	✓		
LL5623				8 - 12 (20 - 30)		✓	
LL5625				8 - 12 (20 - 30)		✓	
LL5627				8 - 12 (20 - 30)			✓


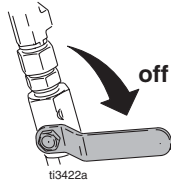
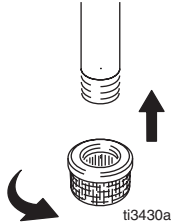
	English	Français	Español	Italiano	Nederlands	Português
*	Use 100 mesh filter to reduce tip clogs	Utiliser un filtre de 100 mesh pour diminuer les bouchages de la buse	Utilice el filtro de malla 100 para reducir las obstrucciones de la boquilla	Utilizzare un filtro con maglie da 100 per ridurre le ostruzioni dell'ugello	Gebruik een filter met een maasgrootte van 100 om verstoppingen van spuittips te verminderen	Utilize um filtro de rede 100 para reduzir as obstruções no bico
#	Best for LineDriver	Le mieux pour LineDriver	Idóneo para el LineDriver	L'ideale per LineDriver	Het beste voor de LineDriver	Mais indicado para o LineDriver
†	Best for cold weather	Le mieux par temps froid	Idóneo para los climas fríos	L'ideale per le basse temperature	Het beste bij koud weer	Mais indicado para temperaturas frias



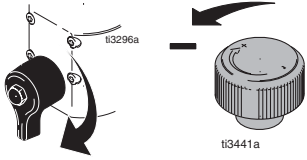
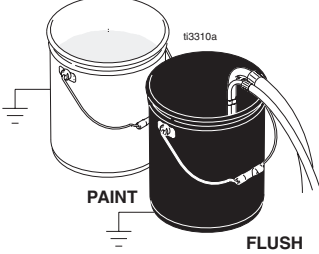
	English	Français	Español	Italiano	Nederlands	Português
1	Display	Afficheur	Visualización	Display	Display	Visor
2	Main ON/OFF switch	Interrupteur MARCHÉ/ARRÊT	Interruptor PRINCIPAL de encendido/apagado	Interruttore principale ON/OFF	Hoofdschakelaar AAN/UIT	Interruptor de ligar/desligar
3	Spray gun control	Commande du pistolet	Dispositivo de control de la pistola de pulverización	Controllo della pistola a spruzzo	Bedieningsregeling spuitpistool	Regulador da pistola de pintura
4	Prime/Spray valve	Vanne d'amorçage/ de pulvérisation	Válvula de cebado/ pulverización	Valvola di adescamento/spruzzatura	Doseer/spuitventiel	Válvula de segurança/ bico de injetor
5	Filter	Filtre	Filtro	Filtro	Filter	Filtro
6	Trigger lock	Loquet de sécurité	Seguro del gatillo	Sicura del grilletto	Trekkervergrendeling	Fecho do gatilho
7	Engine/Controls	Moteur/commandes	Controles del motor	Controlli del motore	Motorbediening	Controlos do motor
8	Drain and siphon tubes	Tuyaux de vidange et de succion	Tubos de drenaje y de sifón	Tubi di drenaggio e del sifone	Afvoer- en sifonbuis	Tubos de drenagem e de sucção
9	Pump valve	Vanne de la pompe	Válvula de la bomba	Valvola della pompa	Pompkraan	Válvula da bomba
10	Pressure control	Commande de la pression	Dispositivo de control de la presión	Dispositivo controllo della pressione	Drukregeling	Controlo da pressão
11	Turn control	Commande de direction	Gire el control	Controllo per girare	Draairegeling	Controlo de viragem

# Setup / Installation / Puesta en marcha / Setup / Opstellen / Instalação


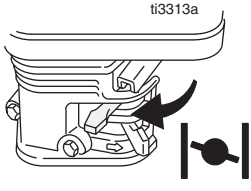
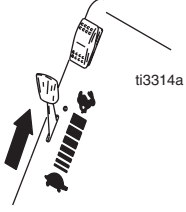
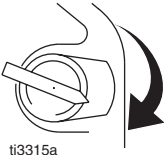
			
			
<p>1 Ground sprayer with grounding clamp during <b>Setup</b> and <b>Cleanup</b>.</p>	<p>2 Fill throat packing nut with TSL to decrease packing wear. Do this each time you spray and store.</p>	<p>3 Check engine oil level. Add SAE 10W-30, if necessary.</p>	<p>4 Fill fuel tank.</p>
<p>1 Mettre le pulvérisateur à la terre à l'aide d'une pince pour les opérations d'<b>installation</b> et de <b>Nettoyage</b>.</p>	<p>2 Remplir l'écrou du presse-étoupe de liquide TSL pour réduire l'usure des garnitures. Effectuer cette opération à chaque pulvérisation et entreposage.</p>	<p>3 Contrôler le niveau d'huile du moteur. Ajouter de l'huile SAE 10W-30, si nécessaire.</p>	<p>4 Remplir le réservoir de carburant.</p>
<p>1 Conecte a tierra el pulverizador con la abrazadera de conexión a tierra durante la <b>Puesta en marcha</b> y la <b>Limpieza</b>.</p>	<p>2 Llène la tuerca prensaestopas del cuello con TSL para reducir el desgaste de las empaquetaduras. Haga esto cada vez que utilice el pulverizador y lo guarde.</p>	<p>3 Compruebe el nivel del aceite del motor. Añada SAE 10W-30, si fuera necesario.</p>	<p>4 Llène el depósito de combustible.</p>
<p>1 Collegare a terra lo spruzzatore con l'apposito morsetto durante il <b>Setup</b> e la <b>pulizia</b>.</p>	<p>2 Riempire il dado premiguarnizioni con TSL per diminuire l'usura delle guarnizioni. Procedere come descritto ogni volta che si spruzza e si conserva lo spruzzatore.</p>	<p>3 Controllare il livello dell'olio motore. Aggiungere SAE 10W-30, se necessario.</p>	<p>4 Riempire la tanica di carburante.</p>
<p>1 Aard het spuitpistool met een aardeklem tijdens het <b>Opstellen</b> en het <b>Reinigen</b>.</p>	<p>2 Vul de halspakkingmoer met TSL om te zorgen dat de pakking minder snel slijt. Doe dit elke keer als u gaat spuiten en wanneer u het apparaat opslaat.</p>	<p>3 Controleer het oliepeil van de motor. Voeg indien nodig SAE 10W-30 bij.</p>	<p>4 Vul de brandstoftank.</p>
<p>1 Faça a ligação terra do equipamento com o grampo de ligação à terra durante a <b>Instalação</b> e <b>Limpeza</b>.</p>	<p>2 Encha a porca de aperto dos empanques com TSL para minimizar o desgaste prematuro do empanque. Efectue este procedimento sempre que utilizar e guardar o equipamento de pintura.</p>	<p>3 Verifique o nível de óleo do motor. Caso necessário, acrescente óleo do tipo SAE 10W-30.</p>	<p>4 Abasteça o depósito de combustível.</p>

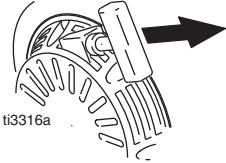
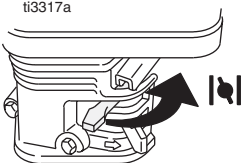
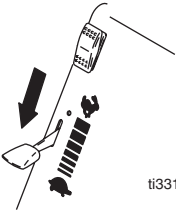

			
<p>5 Check hydraulic oil level. Add Graco hydraulic oil, Grade 46, 169236 (5 gallon/ 18.9 liter) or 207428 (1 gallon/3.8 liter). Hydraulic tank capacity is 1 gallon (3.8 liter).</p>	<p>6 Set pump valve OFF.</p>	<p>7 Install new strainer.</p>	
<p>5 Contrôler le niveau d'huile hydraulique. Faire l'appoint d'huile hydraulique, grade 46, 169236 (5 gallons/ 18,9 litres) ou 207428 (1 gallon/3,8 litres). Capacité du réservoir hydraulique: 1 gallon (3,8 litres).</p>	<p>6 Mettre la vanne de pompe sur ARRET.</p>	<p>7 Monter une nouvelle crépine.</p>	
<p>5 Compruebe el nivel de aceite hidráulico. Añada aceite hidráulico Graco, grado 46, 169236 (18,9 litros/5 gal) o 207428 (1 gal/3,8 litros). La capacidad del depósito hidráulico es de 3,8 litros (1 galón).</p>	<p>6 Cierre la válvula de la bomba (OFF).</p>	<p>7 Instale un nuevo filtro colador.</p>	
<p>5 Controllare il livello dell'olio idraulico. Aggiungere olio idraulico della Graco, di grado 46, 169236 (5 gal/ 18,9 litri) o 207428 (1 gal/ 3,8 litri). La capacità del serbatoio idraulico è di 3,8 litri (1 gallone).</p>	<p>6 Impostare la valvola della pompa su OFF.</p>	<p>7 Installare un nuovo filtro.</p>	
<p>5 Controleer het oliepeil van de hydraulische olie. Graco hydraulische olie, Klasse 46, 169236 (5 gallon/18,9 liter) of 207428 (1 gallon/3,8 liter) aanvullen. De inhoud van de hydraulische tank is 1 gallon (3,8 liter).</p>	<p>6 Zet de pompkraan op UIT.</p>	<p>7 Breng een nieuwe zeef aan.</p>	
<p>5 Verifique o nível do óleo hidráulico. Acrescente óleo hidráulico Graco, Grau 46, 169236 (18,9 litros) ou 207428 (3,8 litros). A capacidade do depósito hidráulico é de 3,8 litros.</p>	<p>6 Coloque a válvula da bomba na posição de desactivada.</p>	<p>7 Instale um novo filtro.</p>	

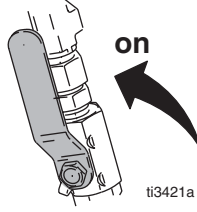
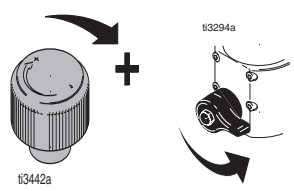

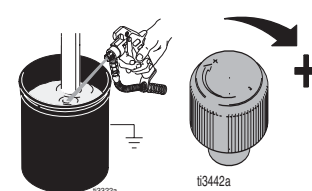


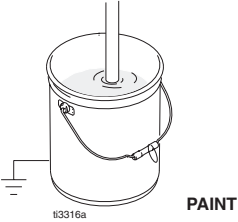
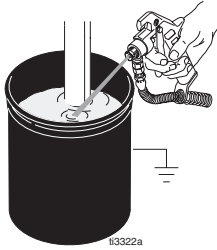
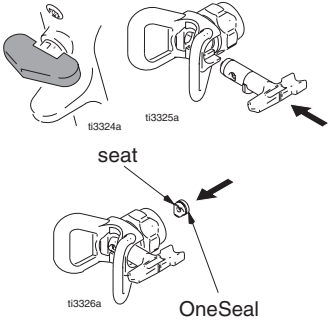
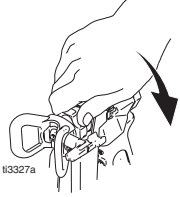
	
<p>8 Turn prime valve down. Turn pressure control counterclockwise to lowest pressure.</p>	<p>9 Place siphon tube set in grounded metal pail partially filled with flushing fluid. Attach ground wire to pail and to true earth ground. Do 1. - 5. of <b>Startup</b> to flush out storage oil shipped in sprayer. Use water to flush water-base paint and mineral spirits to flush oil-base paint and storage oil.</p>
<p>8 Abaisser la vanne d'amorçage. Tourner la régulation de pression dans le sens anti-horaire jusqu'à la pression minimale.</p>	<p>9 Plonger le tuyau de succion dans un seau métallique mis à la terre et rempli en partie de fluide de rinçage. Fixer le fil de terre sur le seau et sur une véritable terre. Effectuer les opérations 1. - 5. de la rubrique <b>Démarrage</b> pour rincer le pulvérisateur de l'huile d'entreposage laissée à l'intérieur. Rincer à l'eau pour éliminer la peinture à base aqueuse et au white-spirit pour éliminer la peinture à l'huile et l'huile d'entreposage.</p>
<p>8 Gire hacia abajo la válvula de cebado. Gire el dispositivo de control de presión en sentido antihorario, hasta la presión más baja.</p>	<p>9 Coloque el tubo de aspiración en un recipiente metálico parcialmente lleno con líquido de lavado. Sujete el cable de conexión a tierra a una tierra verdadera. Lleve a cabo los pasos 1. - 5. de la <b>Puesta en marcha</b> para eliminar el aceite de almacenamiento enviado con el pulverizador. Utilice agua para eliminar las pinturas acuosas y alcoholes minerales para las pinturas a base de aceite y el aceite de almacenamiento.</p>
<p>8 Abbassare la valvola di adescamento. Girare il controllo di pressione in senso antiorario sulla pressione più bassa.</p>	<p>9 Mettere il flessibile del sifone in un secchio metallico collegato a terra riempito per metà con fluido di lavaggio. Collegare un filo di terra al secchio e a una presa di terra efficace. Eseguire le operazioni 1.-5. di <b>avviamento</b> per lavare l'olio di conservazione fornito in dotazione con lo spruzzatore. Utilizzare l'acqua per la vernice a base acquosa e l'acqua ragia minerale per la vernice a base oleosa e per l'olio di conservazione.</p>
<p>8 Draai de inspuutkraan omlaag. Draai de drukregeling linksom op de laagste druk.</p>	<p>9 Plaats de sifonbuisset in een geaarde metalen bak die deels gevuld is met spoelvoeistof. Bevestig een massadraad aan de bak en aan een goede aarding. Voer stappen 1 t/m 5 van de <b>Startprocedure</b> uit om de opslagolie uit te spoelen die tijdens de verzending in het spuittoestel zat. Spoel verf op waterbasis uit met water en verf op oliebasis en de opslagolie uit het systeem met thinner.</p>
<p>8 Rode a válvula de segurança para baixo. Rode o regulador da pressão, no sentido contrário ao dos ponteiros do relógio para o valor mais baixo.</p>	<p>9 Coloque o tubo de sucção dentro de um balde metálico com protecção terra parcialmente cheio com líquido de lavagem. Ligue o fio terra ao balde e à terra. Efectue os passos 1. a 5. do procedimento de <b>Colocação em serviço</b> para eliminar o óleo utilizado para a armazenagem do equipamento. Utilize água para tintas à base de água e diluente para tintas à base de óleo e o óleo utilizado para a armazenagem.</p>

## Startup / Démarrage / Puesta en marcha / Avviamento / Opstarten / Colocação em serviço

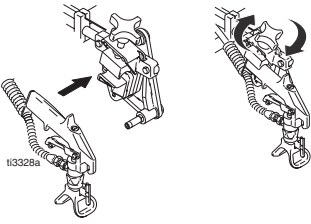
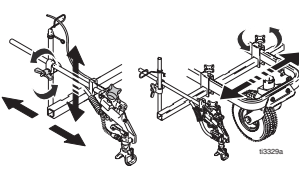
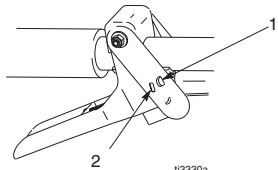
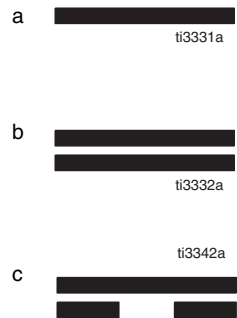
			
1 Start engine.			
a Move fuel valve to open.	b Move choke to closed.	c Set throttle to fast.	d Set engine switch ON.
1 Démarrage du moteur.			
a Mettre la vanne de carburant sur ouvert.	b Mettre le volet du starter sur fermé.	c Régler l'accélérateur sur rapide.	d Mettre l'interrupteur du moteur sur MARCHÉ.
1 Ponga en marcha el pulverizador.			
a Abra la válvula de combustible.	b Cierre el obturador.	c Coloque el acelerador en posición rápida.	d Coloque el interruptor del motor en posición ON.
1 Avviare motore.			
a Spostare la valvola del carburante per aprire.	b Chiudere l'aria.	c Impostare la valvola a farfalla sulla posizione veloce.	d Impostare l'interruttore del motore su ON.
1 Start de motor.			
a Draai de brandstofkraan open.	b Draai de choke dicht.	c Zet de gasklep op snel.	d Draai de motorschakelaar op AAN.
1 Coloque o motor em funcionamento.			
a Abra a válvula do combustível.	b Feche o redutor de passagem.	c Regule a válvula de redução para rápida.	d Ligue o interruptor do motor (ON).

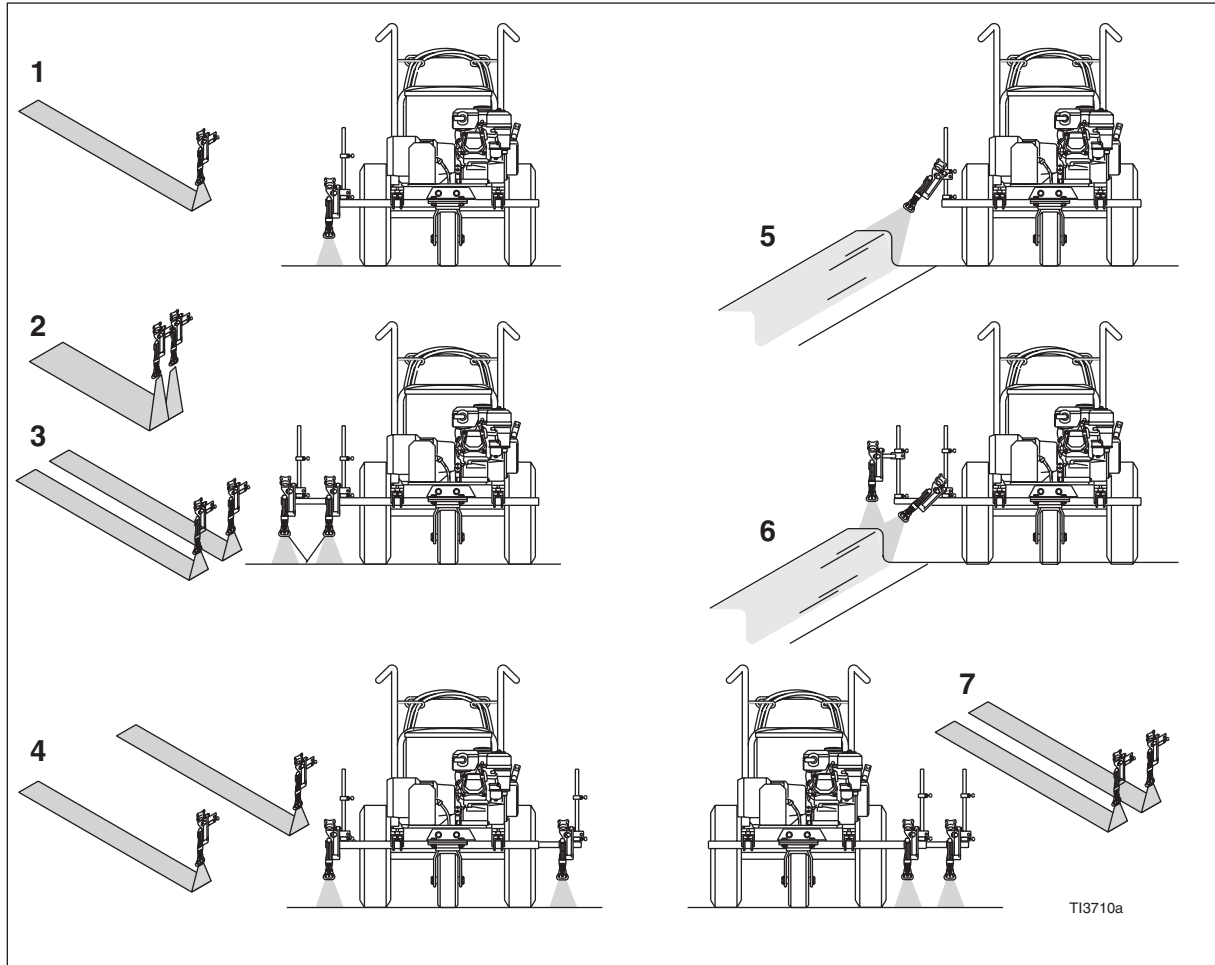
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<p>e Pull starter cord.</p>	<p>f After engine starts, move choke to open.</p>	<p>g Set throttle to desired setting.</p>	<p>Digital display is functional after engine starts.</p>
<p>e Tirer sur le cordon du lanceur.</p>	<p>f Après le démarrage du moteur, mettre le starter sur ouvert.</p>	<p>g Régler le régime moteur à votre convenance.</p>	<p>L'affichage numérique fonctionne dès que le moteur tourne.</p>
<p>e Tire de la cuerda de arranque.</p>	<p>f Después de que el motor se ponga en marcha, abra el obturador.</p>	<p>g Coloque el acelerador en la posición deseada.</p>	<p>La pantalla de visualización funcionará después de que se ponga en marcha el motor.</p>
<p>e Tirare il cavo di avviamento.</p>	<p>f Quando il motore è stato avviato, aprire l'aria.</p>	<p>g Impostare la valvola a farfalla sull'impostazione dell'aria.</p>	<p>Il display digitale entra in funzione dopo l'avvio del motore.</p>
<p>e Trek aan het startkoord.</p>	<p>f Draai de choke open nadat de motor is gestart.</p>	<p>g Zet de gashendel op de gewenste stand.</p>	<p>De digitale display gaat werken nadat de motor is gestart.</p>
<p>e Puxe o cabo do motor de arranque.</p>	<p>f Depois de o motor arrancar, abra o redutor de passagem.</p>	<p>g Regule a válvula de redução para o valor pretendido.</p>	<p>O visor digital começa a funcionar logo que o motor arranca.</p>

			
<p>2 Set pump valve ON. - Hydraulic motor is now active -</p>	<p>3 Increase pressure enough to start hydraulic motor stroking and allow fluid to circulate for 15 seconds; turn pressure down, turn prime valve horizontal.</p>	<p>4 Take spray gun trigger safety OFF.</p>	<p>5 Hold gun against grounded metal flushing pail. Trigger gun and increase fluid pressure slowly until pump runs smoothly.</p>
<p>2 Mettre la vanne de pompe sur MARCHÉ. - Le moteur hydraulique maintenant activé -</p>	<p>3 Augmenter suffisamment la pression pour mettre le moteur hydraulique en mouvement et faire circuler le fluide pendant 15 secondes; réduire la pression, mettre la vanne d'amorçage à l'horizontale.</p>	<p>4 DEVERROUILLER la gâchette.</p>	<p>5 Appuyer le pistolet contre un seau de rinçage métallique mis à la terre. Actionner le pistolet et augmenter lentement la pression du produit jusqu'à ce que la pompe démarre en douceur.</p>
<p>2 Coloque la válvula de la bomba en posición ON. - El motor hidráulico está activado -</p>	<p>3 Aumente la presión lo suficiente como para poner en marcha el motor hidráulico y deje que el fluido circule durante 15 segundos; baje la presión, gire la válvula de cebado hasta la posición horizontal.</p>	<p>4 Suelte el seguro del gatillo de la pistola.</p>	<p>5 Mantenga la pistola contra una lata metálica de lavado conectada a tierra. Dispare la pistola y aumente lentamente la presión de fluido hasta que la bomba funcione suavemente.</p>
<p>2 Impostare la valvola della pompa su ON.- Il motore idraulico è ora attivo -</p>	<p>3 Aumentare la pressione a sufficienza per avviare il funzionamento del motore idraulico e consentire al fluido di circolare per 15 secondi; abbassare la pressione e spostare in posizione orizzontale la valvola di adescamento.</p>	<p>4 Togliere la sicura del grilletto della pistola a spruzzo.</p>	<p>5 Tenere la pistola contro il secchio metallico di lavaggio collegato a terra. Attivare la pistola e aumentare la pressione del fluido lentamente finché la pompa non funziona senza problemi.</p>
<p>2 Zet de pompkraan op AAN. - De hydraulisch motor draait nu -</p>	<p>3 Voer de druk net genoeg op om de slag van de hydraulische motor te starten en materiaal 15 seconden te laten circuleren; draai de druk weer omlaag en draai de vulkraan naar de horizontale stand.</p>	<p>4 ONTGRENDEL de veiligheidspal van de trekker van het spuitpistool.</p>	<p>5 Houd het pistool tegen een geaarde metalen spoelbak. Druk de trekker van het pistool in en verhoog langzaam de materiaaldruk totdat de pomp soepel loopt.</p>
<p>2 Coloque a válvula da bomba na posição de activada. - O motor hidráulico encontra-se agora activo -</p>	<p>3 Aumente a pressão o suficiente para activar o motor hidráulico e deixe o líquido circular no motor durante 15 segundos; baixe a pressão e rode a válvula de segurança para a posição horizontal.</p>	<p>4 RETIRE o dispositivo de segurança do gatilho da pistola de pintura.</p>	<p>5 Encoste a pistola a um balde de lavagem metálico com ligação terra. Accione a pistola e aumente lentamente a pressão do líquido até que a bomba funcione suavemente.</p>

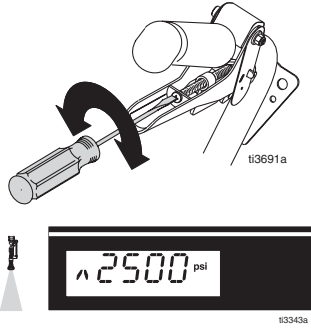
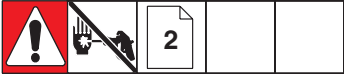
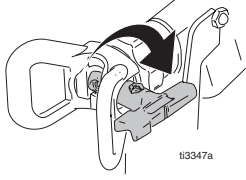
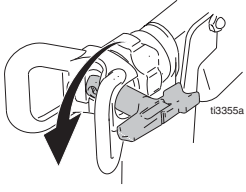






			
<p>6 Place siphon tube in paint pail.</p>	<p>7 Trigger gun again into flushing fluid pail until paint appears. Assemble tip and guard.</p>	<p><b>SwitchTip and Guard Assembly</b></p> <p>1 Engage trigger safety. Insert SwitchTip. Insert seat and OneSeal.</p>	<p>2 Screw assembly onto gun. Hand tighten.</p>
<p>6 Mettre le tuyau de succion dans un seau de peinture.</p>	<p>7 Actionner à nouveau le pistolet en dirigeant le jet dans le seau de rinçage jusqu'à ce que la peinture s'écoule. Monter la buse et la garde.</p>	<p><b>Ensemble buse SwitchTip et garde</b></p> <p>1 Verrouiller la gâchette. Monter la buse SwitchTip. Mettre le siège et le joint OneSeal en place.</p>	<p>2 Visser l'ensemble sur le pistolet. Serrer à la main.</p>
<p>6 Coloque el tubo de aspiración en la lata de pintura.</p>	<p>7 Dispare la pistola en la lata de líquido de lavado hasta que salga pintura. Instale la boquilla y la protección.</p>	<p><b>Conjunto de boquilla de giro SwitchTip y protección</b></p> <p>1 Enganche el seguro del gatillo. Introduzca la boquilla de giro. Introduzca el asiento y la junta OneSeal.</p>	<p>2 Enrosque el conjunto en la pistola. Apriete a mano.</p>
<p>6 Collocare il flessibile del sifone nel secchio per la vernice.</p>	<p>7 Attivare la pistola nuovamente nel secchio per il fluido di lavaggio finché non compare la vernice. Montare l'ugello e la protezione.</p>	<p><b>SwitchTip e gruppo di protezione</b></p> <p>1 Inserire la sicura. Inserire lo SwitchTip. Inserire la sede e OneSeal.</p>	<p>2 Avvitare il gruppo sulla pistola. Serrare manualmente.</p>
<p>6 Plaats de sifonbuis in de verfemmer.</p>	<p>7 Druk de trekker van het pistool weer in en spuit in de materiaalemmer tot er verf verschijnt. Breng de tip en de beschermer aan.</p>	<p><b>SwitchTip en beschermer</b></p> <p>1 Zet de trekker op de trekkerbeveiliging. Breng de SwitchTip aan. Breng de zitting en de OneSeal aan.</p>	<p>2 Schroef het geheel op het pistool. Handvast aandraaien.</p>
<p>6 Coloque o tubo de sucção no balde de tinta.</p>	<p>7 Accione novamente a pistola em direção ao balde com líquido de lavagem, até aparecer tinta. Monte o bico e a proteção.</p>	<p><b>Montagem do bico SwitchTip e da proteção</b></p> <p>1 Engate o dispositivo de segurança do gatilho. Coloque o SwitchTip, o encaixe e o OneSeal.</p>	<p>2 Enrosque o conjunto na pistola. Aperte com a mão.</p>

# Gun Placement / Mise en place du pistolet / Colocación de la pistola / Posizionamento della pistola / Het pistool plaatsen / Preparação da pistola

			
<p><b>Install Gun</b></p> <p>1 Insert gun into gun holder. Tighten clamp.</p>	<p><b>Position Gun</b></p> <p>2 Position gun up/down, forward/reverse, left/right. See examples, page 15.</p>	<p><b>Select Gun</b></p> <p>3 Connect gun cables to left or right gun selector plates.</p>	<p>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.</p>
<p><b>Montage du pistolet</b></p> <p>1 Mettre le pistolet dans le porte-pistolet. Serrer la fixation.</p>	<p><b>Position du pistolet</b></p> <p>2 Positionner le pistolet vers le haut/le bas, en avant/en arrière, à gauche/à droite. Voir exemples, page 15.</p>	<p><b>Sélection du pistolet</b></p> <p>3 Brancher les fils des pistolets sur les sélecteurs de pistolets : droit ou gauche.</p>	<p>a Un pistolet: débrancher le sélecteur un pistolet de la gâchette.                  b Deux pistolets ensemble: mettre les deux sélecteurs de pistolets en position 1.                  c Continu-discontinu et discontinu-continu: mettre le pistolet ligne continue en position 1 et le pistolet ligne discontinue en position 2</p>
<p><b>Instalación de la pistola</b></p> <p>1 Introduzca la pistola en su soporte. Apriete la abrazadera.</p>	<p><b>Colocación de la pistola</b></p> <p>2 Dirija la pistola hacia arriba/abajo, hacia adelante/atrás, hacia la izquierda/derecha. Vea los ejemplos, page 15.</p>	<p><b>Selección de la pistola</b></p> <p>3 Conecte los cables de la pistola a las placas selectoras de la pistola izquierda o derecha.</p>	<p>a Una pistola: Desconecte la placa selector de una de las pistolas del gatillo.                  b Ambas pistolas simultáneamente: Ajuste las placas selectoras de ambas pistolas en la posición 1.                  c Sólido-salto y salto-sólido: Ajuste la pistola sólido-línea en la posición 1 y la pistola salto-línea en la posición 2</p>
<p><b>Installare la pistola</b></p> <p>1 Inserire la pistola nel supporto della pistola. Serrare il morsetto.</p>	<p><b>Posizionare la pistola</b></p> <p>2 Posizionare la pistola verso l'alto/verso il basso, in avanti/indietro, a sinistra/ a destra. Vedere esempi, page 15.</p>	<p><b>Selezionare la pistola</b></p> <p>3 Collegare i cavi della pistola alle piastre di destra o di sinistra del selettore della pistola.</p>	<p>a Una pistola: scollegare una piastra del selettore della pistola dal grilletto.                  b Le due pistole contemporaneamente: regolare le due piastre del selettore della pistola sulla posizione 1.                  c Linea continua e linea tratteggiata: regolare la pistola per la linea continua sulla posizione 1 e la pistola per la linea tratteggiata sulla posizione 2.</p>
<p><b>Het pistool installeren</b></p> <p>1 Breng het pistool aan in de pistoolhouder. Draai de klem vast.</p>	<p><b>Het pistool positioneren</b></p> <p>2 Plaats het pistool omhoog/omlaag, vooruit/achteruit, links/rechts. Zie de voorbeelden, page 15.</p>	<p><b>Het pistool selecteren</b></p> <p>3 Sluit de pistoolkabels aan op de linker of rechter pistoolkeuzeplaten.</p>	<p>a Eén pistool: haal één pistoolkeuzeplaat los van de trekker.                  b Beide pistolen tegelijk: Stel beide pistoolkeuzeplaten af op stand 1.                  c Doorlopend-onderbroken en onderbroken-doorlopend: stel het pistool voor de doorlopende lijn af op stand 1 en het pistool van de onderbroken lijn op stand 2.</p>
<p><b>Instalação da pistola</b></p> <p>1 Introduza a pistola no respectivo suporte. Aperte o grampo.</p>	<p><b>Posicionamento da pistola</b></p> <p>2 Posicione a pistola para cima/para baixo, para a frente/para trás, para a esquerda/para a direita. Veja os exemplos, page 15.</p>	<p><b>Seleção da pistola</b></p> <p>3 Ligue os cabos da pistola às placas de seleção esquerda ou direita da pistola.</p>	<p>a Uma pistola: desligue uma placa de seleção da pistola no gatilho.                  b Ambas as pistolas simultaneamente: regule ambas as placas da seleção da pistola para a posição 1.                  c Sólida-intervalo e intervalo-sólida: regule a pistola de linha sólida para a posição 1 e a pistola de linha de intervalo para a posição 2.</p>

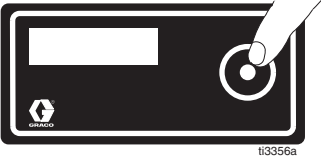


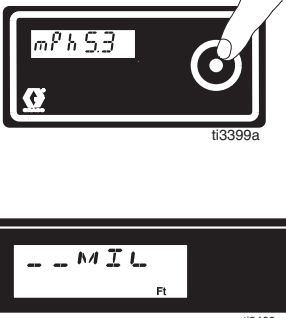


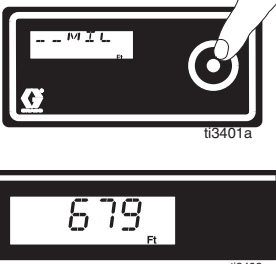
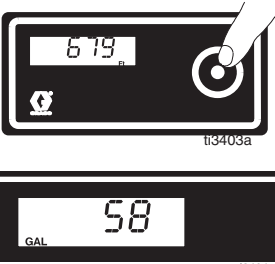
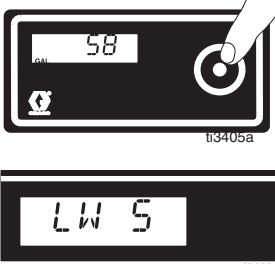
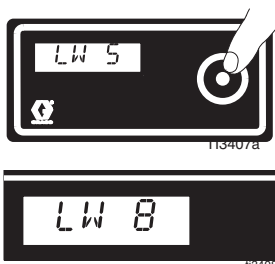
	English	Français	Español	Italiano	Nederlands	Português
1	One line	Une ligne	Una línea	Una linea	Eén leiding	Uma linha
2	One line up to 24 in. (61 cm) wide.	Une ligne jusqu'à 24 in. (61 cm) de large.	una línea de una anchura máxima de 61 cm (24 pulg.).	Una linea fino a 24" (61 cm) di larghezza.	Eén leiding met een maximale breedte van 24 inch (61 cm).	Uma linha com largura de até 61 cm.
3	Two lines	Deux lignes	Dos líneas	Due linee	Twee leidingen	Duas linhas
4	One line or two lines to spray around obstacles.	Une ou deux lignes pour peindre en contournant les obstacles.	Una línea o dos líneas para pulverizar evitando los obstáculos.	Una linea o due linee per spruzzare aggirando gli ostacoli.	Eén leiding of twee leidingen om daarmee om obstakels heen te spuiten.	Uma ou duas linhas para pintar à volta de obstáculos.
5	One gun curb	Bordure avec un pistolet	Flanco con una pistola	Curva con una pistola	Stoeprand met één pistool	Uma pistola para passeio
6	Two gun curb	Bordure avec deux pistolets	Flanco con dos pistolas	Curva con due pistole	Stoeprand met twee pistolen	Duas pistolas para passeio
7	Two lines or one line up to 24 in. (61 cm) wide.	Deux lignes ou une ligne jusqu'à 24 in. (61 cm) de large.	Dos líneas o una línea de una anchura máxima de 61 cm (24 pulg.).	Due linee o una linea fino a 24" (61 cm) di larghezza.	Twee leidingen of één leiding met een maximale breedte van 24 inch (61 cm).	Duas linhas ou uma linha com largura de até 61 cm.


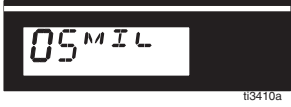
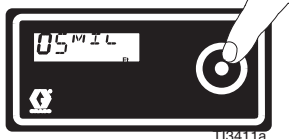


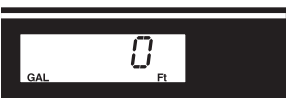


		 	
<p><b>Trigger Sensor Adjustment</b></p>		<p><b>Clearing Tip Clogs</b></p>	
<p>Adjust screw in handle to synchronize spray icon  with fluid spray.</p>		<p>1 Release trigger, put trigger safety ON. Rotate SwitchTip. Take trigger safety OFF and trigger gun to clear the clog. Never point gun towards your hand or into a rag!</p>	<p>2 Put trigger safety ON, return SwitchTip to original position, take trigger safety OFF and continue spraying.</p>
<p><b>Réglage de sensibilité de la gâchette</b></p>		<p><b>Déboucher la buse</b></p>	
<p>Régler la vis sur la poignée pour synchroniser l'icône  avec la pulvérisation.</p>		<p>1 Relâcher la gâchette, la VERROUILLER. Faire pivoter la buse SwitchTip. DEVERROUILLER la gâchette et actionner le pistolet pour déboucher la buse. Ne jamais pointer le pistolet sur votre main ou un chiffon!</p>	<p>2 VERROUILLER la gâchette, remettre SwitchTip en position initiale, DEVERROUILLER la gâchette et poursuivre la pulvérisation.</p>
<p><b>Ajuste del sensor de disparo</b></p>		<p><b>Despeje de las obstrucciones de la boquilla</b></p>	
<p>Ajuste el tornillo de la empuñadura para sincronizar el icono de pulverización  con la pulverización de fluido.</p>		<p>1 Suelte el gatillo, y enganche el seguro. Gire la boquilla de giro SwitchTip. Suelte el seguro del gatillo y dispare la pistola para despejar la obstrucción. ¡Nunca apunte la pistola hacia su mano o hacia un trapo!</p>	<p>2 Enganche el seguro del gatillo, vuelva a colocar la boquilla de giro SwitchTip en su posición original, suelte el seguro del gatillo y siga pulverizando.</p>
<p><b>Regolazione del sensore del grilletto</b></p>		<p><b>Eliminazione delle ostruzioni dell'ugello</b></p>	
<p>Regolare la vite nell'impugnatura per sincronizzare l'icona dello spruzzatore  con lo spruzzo del fluido.</p>		<p>1 Rilasciare il grilletto ed INSERIRE il fermo della sicura della pistola. Ruotare lo SwitchTip. TOGLIERE la sicura e premere il grilletto per liberare l'ostruzione. Non puntare mai la pistola sulle mani o in uno straccio!</p>	<p>2 Inserire la sicura del grilletto, rimettere lo SwitchTip nella posizione originale, TOGLIERE la sicura e continuare a spruzzare.</p>
<p><b>De trekksensor afstellen</b></p>		<p><b>Verstopingen in de tip verwijderen</b></p>	
<p>Stel de schroef in de hendel zo af dat het spuitpictogram  is gesynchroniseerd met de materiaalspray.</p>		<p>1 Laat de trekker los, zet de trekker op de veiligheidspal. Keer de SwitchTip. ONTGRENDEL de veiligheidspal en druk de trekker van het pistool in om de verstopping eruit te spuiten. Het pistool nooit op uw hand richten of in een doek spuiten!</p>	<p>2 VERGRENDEL de veiligheidspal, zet de SwitchTip weer in de oorspronkelijke stand, haal het pistool weer van de veiligheidspal en ga door met spuiten.</p>
<p><b>Ajuste do sensor do gatilho</b></p>		<p><b>Desobstrução do bico</b></p>	
<p>Ajuste o parafuso do manípulo de forma a sincronizar o ícone de pintura  com o tipo de aplicação de produto.</p>		<p>1 Solte o gatilho e coloque o dispositivo de segurança. Rode o SwitchTip. RETIRE o dispositivo de segurança do gatilho e accione a pistola, para a desobstruir. Nunca aponte a pistola para a mão nem para um pano!</p>	<p>2 Coloque o dispositivo de segurança do gatilho, volte a colocar o SwitchTip na posição original, RETIRE o dispositivo de segurança e continue a pintar.</p>

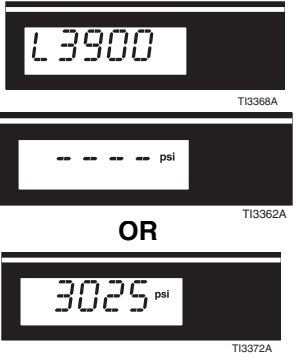
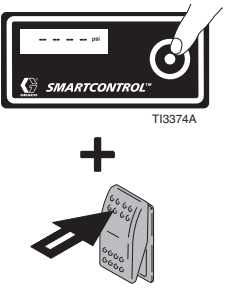

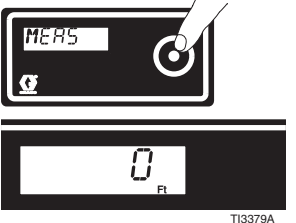


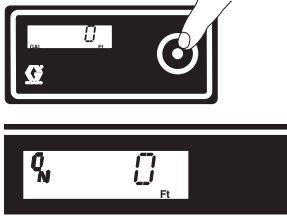

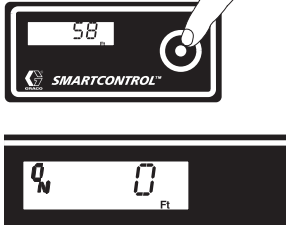
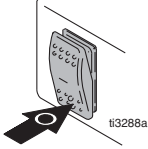
**Digital Tracking System (DTS) / Système de contrôle numérique (DTS) / Sistema de control digital (DTS) / Sistema di controllo digitale (DTS) / Digitaal Tracking Systeem (DTS) / Digital Tracking System (DTS)**

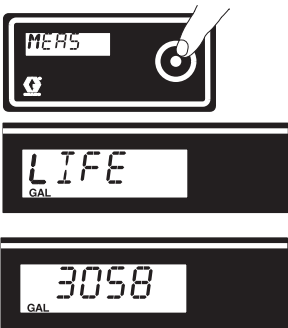
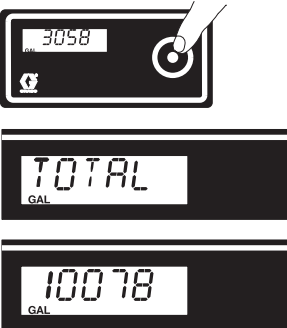


 <p>ti3356a</p>	 <p>OR</p>		
<p><b>Operation - Main Menu</b></p>			
<p>Short press moves to next display. Long press changes units or resets data.</p>	<p>1 Start engine, page 8. Sprayer Model displays briefly. e.g. 200HS. Pressure display appears. Dashes appear when pressure is less than 200 psi (14 bar, 1.4 MPa).</p>	<p>2 Short press DTS button to move to Speed (miles per hour or kilometers per hour).</p>	<p>3 Short press DTS button to move to rolling average Film Build (mils or microns). <b>Note:</b> Displays the average wet film build over the last 20 ft (6 m) sprayed. The proper line width (LW) must be selected, step 7.</p>
<p><b>Fonctionnement – Menu principal</b></p>			
<p>Appuyer un coup bref pour passer à l’affichage suivant. Appuyer plus longtemps pour changer les unités ou réinitialiser les données.</p>	<p>1 Démarrage du moteur, page 8. Le modèle de pulvérisateur s’affiche brièvement : p. ex. 200HS. L’afficheur de la pression apparaît. Des traits apparaissent quand la pression est inférieure à 200 psi (14 bars, 1,4 MPa).</p>	<p>2 Appuyer un coup bref sur le bouton DTS pour afficher la vitesse (miles par heure ou en kilomètres par heure).</p>	<p>3 Appuyer un coup bref sur le bouton DTS pour afficher l’épaisseur moyenne de la couche (millièmes de pouce ou microns). <b>NB:</b> Affichage de l’épaisseur moyenne de la couche humide appliquée au cours des derniers 20 ft (6 m). Il faut sélectionner la largeur de ligne correcte (LW), point 7.</p>
<p><b>Operación – Menú principal</b></p>			
<p>Pulsando brevemente el botón se avanza hasta la visualización siguiente. Pulsando más tiempo el botón se cambian las unidades o se reponen a cero los datos.</p>	<p>1 Ponga en marcha el motor, página 8. Aparece brevemente el modelo de pulverizador, p. ej. 200HS. Aparece visualizada la presión. Cuando la presión es menor de 200 psi (14 bar, 1,4 Mpa) aparecerán rayas.</p>	<p>2 Pulse brevemente el botón DTS para avanzar hasta Velocidad (millas por hora o kilómetros por hora).</p>	<p>3 Pulse brevemente el botón DTS para avanzar hasta el promedio de Acumulación de Película en el rodillo (milésimas o micras). <b>Nota:</b> Visualiza el promedio de acumulación de película húmeda en los últimos 6 m (20 pies) de pulverización. Es necesario seleccionar la anchura de línea correcta (LW), paso 7.</p>
<p><b>Funzionamento – Menu principale</b></p>			
<p>Premendo rapidamente si passa al display successivo. Premendo a lungo si cambia di unità o si effettua il ripristino dei dati.</p>	<p>1 Avvio del motore, pagina 8. Lo spruzzatore modello viene visualizzato con un’abbreviazione, ad es. 200HS. Viene visualizzato il display della pressione. Viene visualizzata un’area grigia quando la pressione è inferiore a 200 psi (14 bar, 1,4 MPa).</p>	<p>2 Premere rapidamente il pulsante DTS per passare alla velocità (miglia per ora o chilometri per ora).</p>	<p>3 Premere rapidamente il pulsante DTS per passare alla media mobile dello spessore dell’accumulo di sporizia (in millesimi di pollice o in micron). <b>Nota:</b> viene visualizzato l’accumulo di sporizia medio sugli ultimi 6 m (20 piedi) spruzzati. È necessario selezionare la larghezza della linea corretta, passo 7.</p>
<p><b>Bediening - Hoofdmenu</b></p>			
<p>Als u kort drukt, gaat u naar het volgende scherm. Als u lang drukt, verandert u de eenheden of stelt u gegevens in op de basisinstelling.</p>	<p>1 Start de motor, zie blz. 8. De modelaanduiding van het spuitapparaat verschijnt kort, bijv. 200HS. De druk wordt getoond. Als de druk minder dan 200 psi (14 bar, 1,4 MPa) is, zijn er streepjes te zien.</p>	<p>2 Druk kort op de DTS-knop om naar Snelheid te gaan (mijlen per uur of km per uur).</p>	<p>3 Druk kort op de DTS-knop om naar Gemiddelde verlaagdikte met roller te gaan (mm of microns). <b>Opmerking:</b> Toont de gemiddelde laagdikte van de laatst gespoten 20 ft (6 m). De juiste lijnbreedte moet worden bepaald in stap 7.</p>
<p><b>Funcionamento – Menu Principal</b></p>			
<p>Basta premir levemente para passar à indicação seguinte. Ao premir durante mais tempo, altera as unidades e restaura os dados.</p>	<p>1 Coloque o motor em funcionamento, página 8. Aparece momentaneamente o modelo do equipamento de pintura, por exemplo, 200HS. Aparece a indicação da pressão. Quando a pressão é inferior a 200 psi (14 bar, 1,4 MPa) são visualizados traços.</p>	<p>2 Prima o botão DTS para avançar para a velocidade (milhas por hora ou quilómetros por hora).</p>	<p>3 Prima o botão DTS para avançar para apresentação da espessura da película (mils ou micrones). <b>Nota:</b> apresenta a espessura média da película húmida nos últimos 6 m pintados. Deve ser seleccionada a devida largura de linha (LW), passo 7.</p>

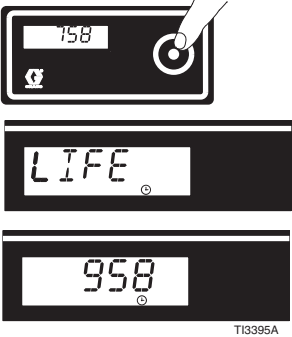
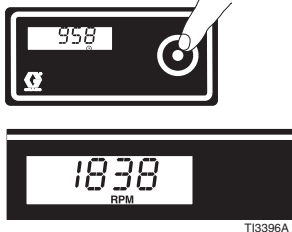
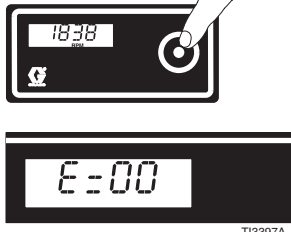
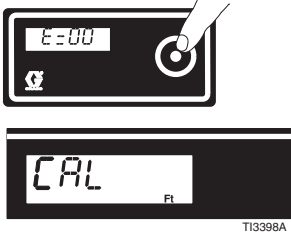
 <p>ti3401a ti3402a</p>	 <p>ti3403a ti3404a</p>	 <p>ti3405a ti3406a</p>	 <p>ti3407a ti3408a</p>
<p>4 Short press DTS button to move to Job Distance (ft or m). <b>Note:</b> Displays the linear line length applied since the last reset. See Reset screen, step 9.</p>	<p>5 Short press DTS button to move to Job Material Counter. <b>Note:</b> Displays material sprayed (gallons or liters x 10) since the last reset.</p>	<p>6 Short press DTS button to move to Line Width (LW) Selector. <b>Note:</b> Displays the line width used to calculate film build (in. or cm).</p>	<p>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. <b>Note:</b> If your distance reading is feet, LW is inches. If your distance reading is meters, LW is centimeters.</p>
<p>4 Appuyer un coup bref sur le bouton DTS pour afficher la distance parcourue (ft ou m). <b>NB:</b> Affichage de la longueur linéaire de la ligne peinte depuis la dernière remise à zéro. Voir l'écran de réinitialisation, point 9.</p>	<p>5 Appuyer un coup bref sur le bouton DTS pour afficher la quantité de produit consommée. <b>NB:</b> Affichage de la quantité de produit pulvérisé (gallons ou litres x 10) depuis la dernière remise à zéro.</p>	<p>6 Appuyer un coup bref sur le bouton DTS pour afficher le sélecteur de largeur de ligne (LW). <b>NB:</b> Affichage de la largeur de ligne servant à calculer l'épaisseur de la couche (in. ou cm).</p>	<p>7 Appuyer sur le bouton DTS et le maintenir enfoncé pour changer la LW. La LW varie entre 2 et 12 in. (5 - 30 cm). Relâcher le bouton DTS quand apparaît la LW désirée. <b>NB:</b> si l'affichage de distance est en pieds, LW est en pouces. Si l'affichage de distance est en mètres, LW est en centimètres.</p>
<p>4 Pulse brevemente el botón DTS para avanzar hasta Distancia de la tarea (pies o m). <b>Nota:</b> Visualiza la longitud de la línea pintada desde la última reposición a cero. Vea la pantalla de Reposición, paso 9.</p>	<p>5 Pulse brevemente el botón DTS para avanzar hasta Contador de material de la tarea. <b>Nota:</b> Visualiza el material pulverizado (galones o litros x 10) desde la última reposición.</p>	<p>6 Pulse brevemente el botón DTS para avanzar hasta el Selector de Anchura de la línea (LW). <b>Nota:</b> Visualiza la anchura de la línea utilizada para calcular la acumulación de película (pulg. o cm).</p>	<p>7 Pulse y mantenga pulsado el botón DTS para cambiar la LW. LW cambia desde 5 - 30 cm (2 - 12 pulg.). Suelte el botón DTS cuando aparezca la LW deseada. <b>Nota:</b> Si la distancia está en pies, LW estará en pulgadas. Si la distancia está en metros, LW estará en centímetros.</p>
<p>4 Premere rapidamente il pulsante DTS per passare alla Distanza di lavoro (metri o piedi). <b>Nota:</b> viene visualizzata la lunghezza lineare della linea applicata dall'ultimo ripristino. Vedere lo schermo Reset, passo 9.</p>	<p>5 Premere rapidamente il pulsante DTS per passare al contatore del materiale del lavoro. <b>Nota:</b> viene visualizzato il materiale spruzzato (galloni o litri x 10) a partire dall'ultimo ripristino.</p>	<p>6 Premere rapidamente il pulsante DTS per passare al selettore di larghezza linea (LW). <b>Nota:</b> viene visualizzata la larghezza linea utilizzata per calcolare l'accumulo di sporcizia (pollici o centimetri).</p>	<p>7 Premere e tenere premuto il pulsante DTS per cambiare la larghezza linea. La larghezza linea è regolabile tra 5 e 30 cm (tra 2 e 12 pollici). Rilasciare il pulsante DTS quando si arriva alla larghezza linea desiderata. <b>Nota:</b> se la distanza è espressa in piedi, la larghezza linea sarà espressa in pollici. Se la distanza è espressa in metri, la larghezza linea sarà espressa in centimetri.</p>
<p>4 Druk kort op de DTS-knop om naar Werkafstand te gaan (ft of m). <b>Opmerking:</b> Toont de lineaire lengte van de lijn sinds de laatste reset op nul. Zie het Reset-scherm, stap 9.</p>	<p>5 Druk kort op de DTS-knop om naar Materiaalteller te gaan. <b>Opmerking:</b> Toont de hoeveelheid gespoten materiaal (gallons of liters x 10) sinds de laatste reset op nul.</p>	<p>6 Druk kort op de DTS-knop om naar de Lijnbreedtekeuze (LW) te gaan. <b>Opmerking:</b> Toont de lijnbreedte die wordt gebruikt voor de berekening van de spuitlaagdikte (in. of cm).</p>	<p>7 Druk op de DTS-knop en houd hem ingedrukt om de lijnbreedte te veranderen. De lijnbreedte is te veranderen van 2 tot 12 in. (5 tot 30 cm). Laat de DTS-knop los als de gewenste lijnbreedte verschijnt. <b>Opmerking:</b> Als de afstands-aanduiding in voet (ft) is, dan staat de lijnbreedte in inches. Als de afstands-aanduiding in meters is, dan staat de lijnbreedte in centimeters.</p>
<p>4 Prima o botão DTS para ir para a distância de trabalho (ft ou m). <b>Nota:</b> indica o comprimento da linha linear aplicada, desde a última vez que foi restaurado. Consulte o ecrã de restaurar, passo 9.</p>	<p>5 Prima o botão DTS para avançar para o contador do material de trabalho. <b>Nota:</b> mostra o volume de produto aplicado (galões ou litros x 10), desde a última vez que foi restaurado.</p>	<p>6 Prima o botão DTS para avançar para a selecção da largura de linha (LW). <b>Nota:</b> indica a largura de linha utilizada para calcular a espessura da película (pol. ou cm).</p>	<p>7 Prima continuamente o botão DTS para mudar de largura de linha (LW). A indicação LW muda de 2 - 12 pol. (5 - 30 cm). Solte o botão DTS assim que aparecer a largura pretendida. <b>Nota:</b> se a indicação de distância for em pés, a largura de linha (LW) será em polegadas. Se a indicação de distância for em metros, a largura de linha (LW) será em centímetros.</p>

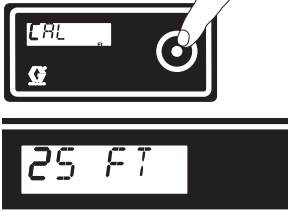
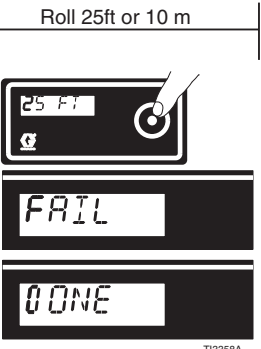
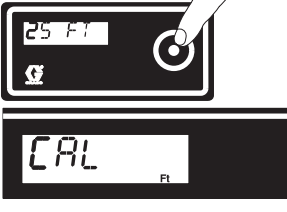
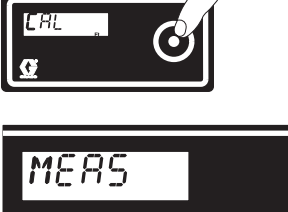
 	 	 	 
<p>8 Short press DTS button to move to Job Film Build. <b>Note:</b> Displays the average wet film build (mils or microns) since the last reset.</p>	<p>9 Short press DTS button to move to job RESET display.</p>	<p>10 Press and hold DTS button to reset job distance, job material and film build values to zero.</p>	<p><b>or</b> short press DTS button to return to Pressure display.</p>
<p>8 Appuyer un coup bref sur le bouton DTS pour afficher l'épaisseur de la couche. <b>NB:</b> Affichage de l'épaisseur de la couche humide appliquée (millièmes de pouce ou microns) depuis la dernière remise à zéro.</p>	<p>9 Appuyer un coup bref sur le bouton DTS pour afficher RESET.</p>	<p>10 Appuyer sur le bouton DTS et le maintenir enfoncé pour remettre la distance, la quantité de produit et l'épaisseur de la couche à zéro.</p>	<p><b>ou</b> Appuyer un coup bref sur le bouton DTS revenir à l'affichage de pression.</p>
<p>8 Pulse brevemente el botón DTS para avanzar hasta la Acumulación de Película de la tarea. <b>Nota:</b> Visualiza el promedio de acumulación de película húmeda (milésimas o micras) desde la última reposición.</p>	<p>9 Pulse brevemente el botón DTS para avanzar hasta la visualización de REPOSICIÓN de la tarea.</p>	<p>10 Pulse y mantenga pulsado el botón DTS para reponer a cero los valores de la distancia, el material y la acumulación de película de la tarea.</p>	<p><b>or</b> pulse brevemente el botón DTS para regresar a la visualización de Presión.</p>
<p>8 Premere rapidamente il pulsante DTS per passare all'accumulo di sporcizia del lavoro. <b>Nota:</b> viene visualizzato l'accumulo di sporcizia medio (millimetri o micron) a partire dall'ultimo ripristino.</p>	<p>9 Premere rapidamente il pulsante DTS per passare allo schermo RESET del lavoro.</p>	<p>10 Premere e tenere premuto il pulsante DTS per ripristinare i valori della distanza di lavoro, del materiale di lavoro e dell'accumulo di sporcizia di lavoro film su zero.</p>	<p><b>o</b> premere rapidamente il pulsante DTS per ritornare al display della pressione.</p>
<p>8 Druk kort op de DTS-knop om naar Verlaagdte te gaan. <b>Opmerking:</b> Toont de gemiddelde natte laagdikte (mm of micron) sinds de laatste reset op nul.</p>	<p>9 Druk kort op de DTS-knop om naar het RESET scherm te gaan.</p>	<p>10 Druk op de DTS-knop en houd hem ingedrukt om de afstand voor het werk, het materiaal en de laagdikte weer op nul in te stellen.</p>	<p><b>of</b> druk kort op de DTS-knop naar de het tonen van de drukwaarde terug te gaan.</p>
<p>8 Prima o botão DTS para avançar para a espessura da película do trabalho. <b>Nota:</b> indica a espessura média da película húmida (mils ou micrones) desde a última vez que foi restaurado.</p>	<p>9 Prima o botão DTS para avançar para a indicação RESET (restaurar) do trabalho.</p>	<p>10 Prima continuamente o botão DTS para restaurar a distância de trabalho, o material de trabalho e valores de espessura da película do trabalho para zero.</p>	<p><b>or</b> prima o botão DTS para regressar à indicação de pressão.</p>

			
<b>DTS Secondary Menu</b>			
<p>1 Start engine, page 7. Pressure display appears.</p>	<p>2 Simultaneously press DTS button and set ON/OFF switch ON.</p>	<p>Measure Mode display appears. Use Measure Mode to measure unknown distances.</p>	<p>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.</p>
<b>Menu DTS secondaire</b>			
<p>1 Démarrage du moteur, page 7. La pression s'affiche.</p>	<p>2 Appuyer sur le bouton DTS et en même temps mettre le bouton MARCHE/ARRET sur MARCHE.</p>	<p>Affichage du mode de mesure. Utiliser le mode mesure pour mesurer les distances inconnues.</p>	<p>3 Pour utiliser le mode de mesure, appuyer sur le bouton DTS et le maintenir enfoncé jusqu'à ce que la distance s'affiche. Pour sauter le mode de mesure, appuyer un coup bref sur le bouton DTS, et passer au point 4.</p>
<b>Menú secundario DTS</b>			
<p>1 Ponga en marcha el motor, página 7. Aparece la visualización de Presión.</p>	<p>2 Pulse simultáneamente el botón DTS y coloque el interruptor de encendido/apagado de la bomba en posición ON.</p>	<p>Aparece la visualización Modo de medida. Utilice el Modo de medida para medir las distancias desconocidas.</p>	<p>3 Para utilizar el Modo de medida, pulse y mantenga pulsado el botón DTS hasta que aparezca la visualización de la distancia. Para omitir el Modo de medida, pulse brevemente el botón DTS, vaya al paso 4.</p>
<b>Menu DTS secundario</b>			
<p>1 Avvio del motore, pagina 7. Viene visualizzato il display della pressione.</p>	<p>2 Premere in contemporanea il pulsante DTS e attivare l'interruttore di accensione della pompa.</p>	<p>Viene visualizzato il display della modalità di misurazione. Utilizzare la modalità di misurazione per misurare le distanze sconosciute.</p>	<p>3 Per utilizzare la modalità di misurazione, premere e tenere premuto il pulsante DTS fino a visualizzare il display della distanza. Per saltare la modalità di misurazione, premere rapidamente il pulsante DTS, per andare al passo 4.</p>
<b>Secundair DTS-menu</b>			
<p>1 Start de motor, zie blz. 7. De drukwaarde verschijnt.</p>	<p>2 Druk op de DTS-knop en draai tegelijkertijd de AAN/UIT-schakelaar van de pomp op AAN.</p>	<p>Het Meetfunctiescherm verschijnt. Meet onbekende afstanden met behulp van de Meetfunctie.</p>	<p>3 Om de Meetfunctie te gebruiken moet op de DTS-knop drukken en hem ingedrukt houden tot de het afstandsscherm verschijnt. Druk kort op de DTS-knop om de Meetfunctie over te slaan, stap 4.</p>
<b>Menu Secundário do DTS</b>			
<p>1 Coloque o motor em funcionamento, página 7. É visualizada a indicação da pressão.</p>	<p>2 Simultaneamente, prima o botão DTS e coloque o interruptor ON/OFF em ON.</p>	<p>Aparece a indicação do modo de medição. Use o modo de medição para medir as distâncias desconhecidas.</p>	<p>3 Para utilizar o modo de medição, prima continuamente o botão DTS até aparecer a indicação de distância. Para avançar este modo, prima o botão DTS para ir para o passo 4.</p>

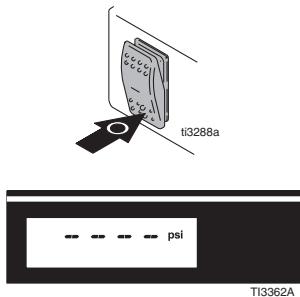
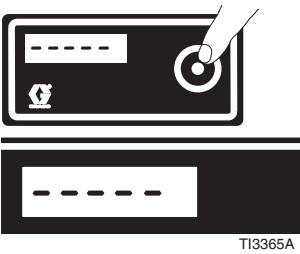
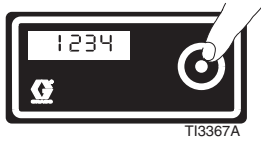
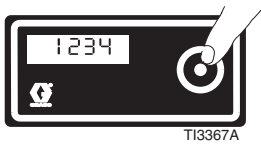
 <p style="text-align: center;">TI3381A</p>	 <p style="text-align: center;">TI3384A</p>	 <p style="text-align: center;">TI3386A</p>	 <p style="text-align: center;">TI3288a</p>
<p>a Short press DTS again to start measuring. ON appears on left side of display. Now push striper and measured distance appears in display.</p>	<p>b Short press DTS again to stop measuring. Note: Repeated short presses of DTS alternately turn Measure mode on and off.</p>	<p>c Press and hold DTS button to reset to zero.</p>	<p>d Set ON/OFF switch OFF to exit Measure mode.</p>
<p>a Appuyer à nouveau un coup bref sur le bouton DTS pour commencer la mesure. MARCHE apparaît sur la gauche de l'afficheur. Pousser le traceur et la distance mesurée s'affichera.</p>	<p>b Appuyer un nouveau coup bref sur DTS pour arrêter la mesure. NB: si l'on appuie à plusieurs reprises brièvement sur le bouton DTS, on met alternativement le mode mesure en et hors service.</p>	<p>c Appuyer sur le bouton DTS et le maintenir enfoncé pour revenir à zéro.</p>	<p>d Mettre le bouton MARCHE/ARRET sur ARRET pour quitter le mode mesure.</p>
<p>a Vuelva a pulsar brevemente el botón DTS para comenzar a medir. En la parte izquierda de la pantalla aparece ON. Empuje ahora el trazalíneas y en la pantalla aparecerá la distancia medida.</p>	<p>b Vuelva a pulsar brevemente el botón DTS para detener la medición. Nota: Pulsaciones breves repetidas del botón DTS activará y desactivará alternadamente el modo de Medición.</p>	<p>c Pulse y mantenga pulsado el botón DTS para reponer a cero.</p>	<p>d Coloque el interruptor de encendido/apagado de la bomba en OFF para salir del modo de Medida.</p>
<p>a Premere di nuovo DTS rapidamente per avviare la misurazione. Sul lato sinistro del display appare ON. A questo punto spingere il traccialinee e sul display appare la distanza misurata.</p>	<p>b Premere di nuovo rapidamente il pulsante DTS per arrestare la misurazione. Nota: ripetute pressioni del pulsante DTS attivano e disattivano la modalità di misurazione in maniera alternata.</p>	<p>c Premere e tenere premuto il pulsante DTS per ripristinare a zero.</p>	<p>d Spegnerè l'interruttore di accensione per uscire dalla modalità di misurazione.</p>
<p>a Druk nogmaals kort op de DTS-knop om het meten te beginnen. Op de linkerkant van de display verschijnt ON. Druk nu op de streep trekker en de gemeten afstand verschijnt op het display.</p>	<p>b Druk nogmaals kort op de DTS-knop om te stoppen met meten. Opmerking: Als u herhaaldelijk kort op de DTS drukt, schakelt u de Meetfunctie afwisselend in en uit.</p>	<p>c Druk op de DTS-knop en houd hem ingedrukt om de beginwaarden op nul te zetten.</p>	<p>d Draai de AAN/UIT-schakelaar op UIT om uit de Meetfunctie te gaan.</p>
<p>a Prima novamente o botão DTS para iniciar a medição. Aparece ON no lado esquerdo do visor. Agora, empurre o kit de marcação; a distância medida aparece no visor.</p>	<p>b Prima novamente DTS para parar a medição. Nota: premir repetidamente o botão DTS activa e desactiva o modo de medição.</p>	<p>c Prima continuamente o botão DTS para colocar em zeros.</p>	<p>d Desligue o interruptor (OFF) para sair do modo de medição.</p>

 <p>T13387A</p>	 <p>T13391A</p>	 <p>T13393A</p>	 <p>T13394A</p>
<p>4 Short press DTS button to move from MEAS display to LIFE material counter display. <b>LIFE</b> appears momentarily, then life time gallons (liters x 10) sprayed above 1000 psi (70 bar, 0,7 MPa).</p>	<p>5 Short press DTS button to move to Total Material Counter. <b>TOTAL</b> appears momentarily, then total gallons (liters x 10) pumped at all pressures.</p>	<p>6 Short press DTS button to move to <b>SPRAY</b> (distance). <b>MILES</b> or <b>KILOMETERS</b> scrolls across display, then total length of lines applied.</p>	<p>7 Short press DTS button to move to <b>TOTAL</b> (distance). <b>MILES</b> or <b>KILOMETERS</b> scrolls across display, then total distance traveled, with or without spraying.</p>
<p>4 Appuyer un coup bref sur le bouton DTS pour passer de l'affichage MEAS à l'affichage de mesure de produit LIFE. <b>LIFE</b> s'affiche un instant, puis c'est le tour des gallons (litres x 10) pulvérisés en continu au-dessus de 1000 psi (70 bars, 0,7 MPa).</p>	<p>5 Appuyer un coup bref sur le bouton DTS pour afficher la quantité totale de produit pulvérisé. <b>TOTAL</b> s'affiche un instant, puis c'est le tour des gallons (litres x 10) pompés à toutes pressions.</p>	<p>6 Appuyer un coup bref sur le bouton DTS pour afficher <b>SPRAY</b> (distance). <b>MILES</b> ou <b>KILOMETRES</b> défilent sur l'écran, puis c'est la longueur totale de ligne peinte.</p>	<p>7 Appuyer un coup bref sur le bouton DTS pour afficher <b>TOTAL</b> (distance). <b>MILES</b> ou <b>KILOMETRES</b> défilent sur l'écran, puis c'est la distance totale parcourue qui s'affiche, avec ou sans pulvérisation.</p>
<p>4 Pulse brevemente el botón DTS para avanzar desde la visualización MEAS hasta la visualización del contador de material LIFE. <b>LIFE</b> aparecerá momentáneamente, y después los galones (litros x 10) pulverizados por encima de 1000 psi (70 bar, 0,7 Mpa).</p>	<p>5 Pulse brevemente el botón DTS para avanzar hasta el Contador Total de Material. <b>TOTAL</b> aparecerá momentáneamente, y después el total de galones (litros x 10) bombeados a todas las presiones.</p>	<p>6 Pulse brevemente el botón DTS para avanzar hasta <b>PULVERIZAR</b> (distancia). Por la visualización se desplazarán <b>MILES</b> (MILLAS) o <b>KILOMETERS</b> (KILÓMETROS), y después la longitud total de las líneas pintadas.</p>	<p>7 Pulse brevemente el botón DTS para avanzar hasta <b>TOTAL</b> (distancia). Por la visualización se desplazarán <b>MILES</b> (MILLAS) o <b>KILOMETERS</b> (KILÓMETROS), y después la distancia total recorrida, pulverizando o sin pulverizar.</p>
<p>4 Premere rapidamente il pulsante DTS per passare dal display della misurazione a quello del contatore materiale LIFE. <b>LIFE</b> viene visualizzato per pochi secondi, quindi appare la durata residua in decine di litri (galloni) spruzzati a più di 70 bar, 0,7 MPa (1000 psi).</p>	<p>5 Premere rapidamente il pulsante DTS per passare al contatore del materiale totale. <b>TOTAL</b> viene visualizzato per pochi secondi, quindi in decine di litri totali (galloni) pompati a tutte le pressioni.</p>	<p>6 Premere rapidamente il pulsante DTS per spostarsi su <b>SPRAY</b> (distanza). <b>MIGLIA</b> o <b>CHILOMETRI</b> vengono visualizzati sul display, quindi la lunghezza di linee totale applicata.</p>	<p>7 Premere rapidamente il pulsante DTS per spostarsi su <b>TOTAL</b> (distanza). Le <b>MIGLIA</b> o i <b>CHILOMETRI</b> vengono visualizzati sul display, quindi la distanza totale percorsa, con o senza spruzzatura.</p>
<p>4 Druk kort op de DTS-knop om van het Meetfunctie-scherm naar het scherm van de LIFE-materiaalteller te gaan. Het woord <b>LIFE</b> verschijnt even en vervolgens de totale hoeveelheid gallons (liter x 10) die zijn gespoten boven 1000 psi (70 bar, 0,7 MPa).</p>	<p>5 Druk kort op de DTS-knop om naar de Totaal materiaalteller te gaan. <b>TOTAL</b> (TOTAAL) verschijnt even en vervolgens de totale hoeveelheid gallons (liters x 10) die zijn verpompt op alle drukwaarden.</p>	<p>6 Druk kort op de DTS-knop om naar <b>SPRAY</b> (=SPUITEN) (afstand) te gaan. Over het scherm loopt <b>MILES</b> of <b>KILOMETERS</b> met daarachter de totale lengte van de aangebrachte belijning.</p>	<p>7 Druk kort op de DTS-knop om naar <b>TOTAL</b> (afstand) te gaan. Over het scherm loopt <b>MILES</b> of <b>KILOMETERS</b>, met daarachter de totale afgelegde afstand, met of zonder spuiten.</p>
<p>4 Prima o botão DTS para passar da indicação MEAS para a indicação do contador do material LIFE. Aparece <b>LIFE</b> momentaneamente e, de seguida, o volume total até à data (litros x 10) aplicado acima de 1000 psi (70 bar, 0,7 Mpa).</p>	<p>5 Prima o botão DTS para passar para o contador do material total. Aparece <b>TOTAL</b> momentaneamente e, de seguida, o volume total (litros x 10) utilizado a todas as pressões.</p>	<p>6 Prima o botão DTS para passar para <b>SPRAY</b> (distância). Passa no visor <b>MILES</b> (milhas) ou <b>KILOMETERS</b> (quilómetros) e, de seguida, o número total de linhas aplicado.</p>	<p>7 Prima o botão DTS para avançar para <b>TOTAL</b> (distância). Passa no visor <b>MILES</b> (milhas) ou <b>KILOMETERS</b> (quilómetros) e, de seguida, a distância total percorrida, com aplicação ou não de tinta.</p>

			
<p>8 Short press DTS button to move to Engine Hour display. LIFE and the clock symbol will appear, then the lifetime engine run hours.</p>	<p>9 Short press DTS button to move to live Engine RPM display.</p>	<p>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.</p>	<p>11 Short press to move to distance calibration display.</p>
<p>8 Appuyer un coup bref sur le bouton DTS pour afficher la durée de service du moteur. LIFE et le symbole de l'horloge s'affichent, puis ce sont les heures de marche du moteur en continu.</p>	<p>9 Appuyer un coup bref sur le bouton DTS pour afficher le régime moteur continu.</p>	<p>10 Appuyer sur le bouton DTS pour afficher le code d'erreurs enregistré. Appuyer sur le bouton DTS et le maintenir enfoncé pour effacer le code d'erreurs E=00. Voir le manuel 309896.</p>	<p>11 Appuyer un coup bref pour afficher l'étalonnage de distance.</p>
<p>8 Pulse brevemente el botón DTS para avanzar hasta la visualización Horas del Motor. Aparecerán LIFE y el símbolo del reloj, y después las horas de funcionamiento de por vida del motor.</p>	<p>9 Pulse brevemente el botón DTS para avanzar hasta la visualización en vivo de las RPM del Motor.</p>	<p>10 Pulse el botón DTS para avanzar hasta el código de error almacenado. Pulse y mantenga pulsado el botón DTS para borrar el código de error, E=00. Vea el Manual 309896.</p>	<p>11 Pulse brevemente para avanzar hasta la visualización de calibración de la distancia.</p>
<p>8 Premere rapidamente il pulsante DTS per passare al display del tempo del motore. LIFE e il simbolo dell'orologio verranno visualizzati, quindi le ore di funzionamento del motore.</p>	<p>9 Premere rapidamente il pulsante DTS per passare al display relativo ai giri al minuto del motore.</p>	<p>10 Premere il pulsante DTS per spostare il codice di errore memorizzato. Premere e tenere premuto il pulsante DTS per annullare il codice di errore su E=00. Vedere manuale 309896.</p>	<p>11 Premere per pochi secondi il pulsante DTS per passare al display di calibrazione della distanza.</p>
<p>8 Druk kort op de DTS-knop om naar Motoruren te gaan. Het woord LIFE en het kloksymbool verschijnt, waarna het totaal aantal uren verschijnt dat de motor ooit heeft gdraaid.</p>	<p>9 Druk kort op de DTS-knop om naar Toerental van de motor te gaan.</p>	<p>10 Druk op de DTS-knop om naar de opgeslagen foutcode te gaan. Druk op de DTS-knop en houd hem ingedrukt om de foutcode te wissen en op E=00 te zetten. Zie handleiding 309896.</p>	<p>11 Druk kort op de knop om naar Afstand kalibreren te gaan.</p>
<p>8 Prima o botão DTS para avançar para a indicação das horas do motor. Aparecerá LIFE e o símbolo do relógio e, de seguida, as horas de funcionamento do motor até à data.</p>	<p>9 Prima o botão DTS para avançar para a indicação das rpm do motor.</p>	<p>10 Prima o botão DTS para passar ao código de erro armazenado. Prima e mantenha o botão DTS premido para eliminar o código de erro para E=00. Consulte o manual 309896.</p>	<p>11 Prima para avançar para a indicação de calibragem de distância.</p>

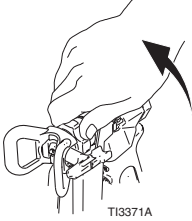
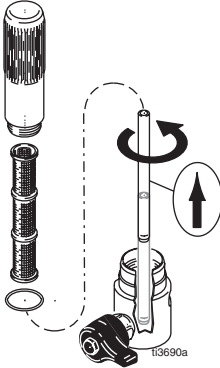
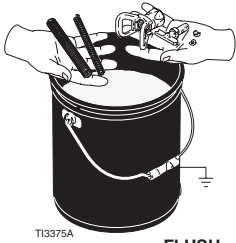
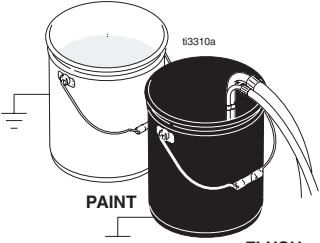
 <p>ti3419a</p>	 <p>Roll 25ft or 10 m</p> <p>TI3358A</p>	 <p>TI3360A</p>	 <p>ti3418a</p>
<p>12 To calibrate distance meter, accurately measure out 25 ft or 10 m and move machine to start point. While <b>CAL</b> is showing, press and hold DTS button until 25 ft or 10 m flashes.</p>	<p>13 Move LineLazer exactly 25 ft or 10 m. Do not back up. Press DTS button. <b>DONE</b> displays if calibration was successful or <b>FAIL</b> displays if not successful.</p>	<p>14 Press DTS again to return to <b>CAL</b> screen.</p>	<p>15 Short press DTS button to return to step 2, <b>MEAS</b> display.</p>
<p>12 Pour étalonner le compteur de distance, mesurer avec précision une longueur de 25 ft ou 10 m et placer la machine au point de départ. Quand <b>CAL</b> est affiché, appuyer sur le bouton DTS et le maintenir enfoncé jusqu'à ce que 25 ft ou 10 m clignote.</p>	<p>13 Avancer le traceur de 25 ft ou 10 m exactement. Ne pas sauvegarder. Appuyer sur le bouton DTS. <b>DONE</b> s'affiche si l'étalonnage a réussi ou <b>FAIL</b> si ce n'est pas le cas.</p>	<p>14 Appuyer à nouveau sur DTS pour revenir à l'écran affichant <b>CAL</b>.</p>	<p>15 Appuyer un coup bref sur le bouton DTS pour revenir au point 2, affichage <b>MEAS</b>.</p>
<p>12 Para calibrar el medidor de distancia, mida con precisión 25 ft o 10 m y mueva la máquina hasta el punto de partida. Mientras se muestre <b>CAL</b>, pulse y mantenga pulsado el botón DTS hasta que destellen los valores 25 ft o 10 m.</p>	<p>13 Mueva el LineLazer exactamente 25 ft o 10 m. No retroceda. Pulse el botón DTS. Si la calibración se realizó con éxito, aparecerá <b>DONE</b> (REALIZADO), o <b>FAIL</b> (FALLO) si no tuvo éxito.</p>	<p>14 Vuelva a pulsar el botón DTS para regresar a la pantalla <b>CAL</b>.</p>	<p>15 Pulse brevemente el botón DTS para volver al paso 2, visualización <b>MEAS</b>.</p>
<p>12 Per calibrare la distanza in metri, misurare accuratamente 25 piedi o 10 m e spostare la macchina al punto di partenza. Mentre viene visualizzato <b>CAL</b>, premere e tenere premuto il pulsante DTS fino a che lampeggiano 25 piedi o 10 m.</p>	<p>13 Spostare LineLazer esattamente di 25 piedi o 10 m. Non indietro. Premere il pulsante DTS. Viene visualizzato <b>DONE</b> se la calibrazione è riuscita o <b>FAIL</b> se non è riuscita.</p>	<p>14 Premere nuovamente DTS per ritornare allo schermo <b>CAL</b>.</p>	<p>15 Premere rapidamente il pulsante DTS per ritornare al passo 2, display <b>MEAS</b>.</p>
<p>12 Om de afstandsmeter te kalibreren, moet u nauwkeurig 25 ft of 10 m uitmeten en de machine naar het startpunt bewegen. Terwijl u <b>CAL</b> ziet staan, moet u op de DTS-knop drukken en deze ingedrukt houden tot 25 ft of 10 m knippert.</p>	<p>13 Beweeg de LineLazer exact 25 ft of 10m. Niet achteruit rijden. Druk op de DTS-knop. Als de kalibrering succesvol was, verschijnt <b>DONE</b> (= <b>KLAAR</b>) of <b>FAIL</b> (= <b>MISLUKT</b>) als de kalibrering niet gelukt is.</p>	<p>14 Druk nogmaals op de DTS-knop om in het <b>CAL</b>-scherm te komen.</p>	<p>15 Druk kort op de DTS-knop om naar stap2, het <b>Meetfunctie-scherm</b> te gaan.</p>
<p>12 Para calibrar o contador de distância, calcule 25 ft ou 10 m e desloque o equipamento para o ponto de partida. Enquanto é apresentado <b>CAL</b>, prima continuamente o botão DTS, até aparecer 25 ft ou 10 m em estado intermitente.</p>	<p>13 Desloque o LineLazer exactamente 10 m. Não recue. Prima o botão DTS. Se a calibragem tiver sido bem sucedida, aparece <b>DONE</b>; caso contrário, aparece <b>FAIL</b>.</p>	<p>14 Prima novamente DTS para voltar ao ecrã <b>CAL</b>.</p>	<p>15 Prima o botão DTS para voltar ao passo 2, indicação <b>MEAS</b>.</p>

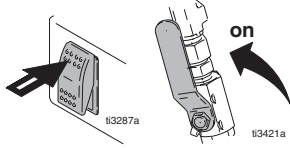

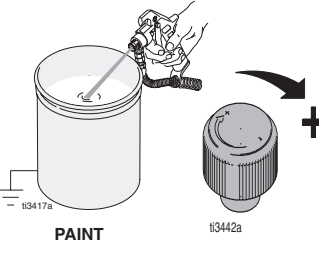
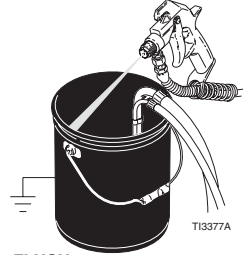


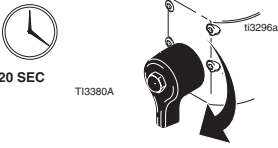
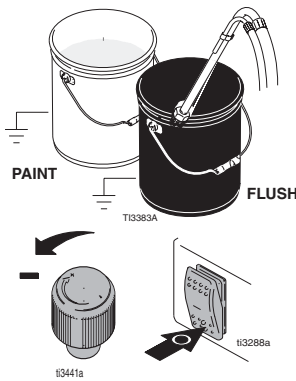
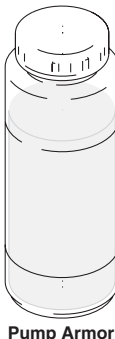
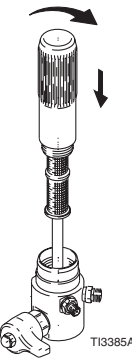
 <p>TI3288a</p> <p>TI3362A</p>	 <p>TI3365A</p>	 <p>TI3367A</p>	 <p>TI3367A</p>
	<b>Change Display Units</b>		
<p>15 Turn ON/OFF switch OFF at any time to exit Secondary Menu and return to pressure display.</p>	<p><b>Pressure:</b> Press and hold (8 seconds) DTS button to change pressure units (psi, bar, MPa), to desired units.</p>	<p><b>Volume:</b> Press and hold (8 seconds) DTS button to change volume units (GAL, LITER10).</p>	<p><b>Distance:</b> 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).</p>
	<b>Changement des unités affichées</b>		
<p>15 Mettre le bouton MARCHE/ARRET sur ARRET à n'importe quel moment pour quitter le menu secondaire et revenir à l'affichage de la pression.</p>	<p><b>Pression:</b> Appuyer (8 secondes) sur le bouton DTS pour changer les unités de pression (psi, bar, MPa) et opter pour les unités désirées.</p>	<p><b>Volume:</b> Appuyer (8 secondes) sur le bouton DTS pour changer les unités de volume (GAL, LITRE10).</p>	<p><b>Distance:</b> Appuyer (8 secondes) sur le bouton DTS pour changer les unités de distance (ft ou m). NB: cela modifie aussi l'épaisseur de la couche (millièmes ou microns) et la vitesse (mph ou km/h).</p>
	<b>Cambiar las unidades de la visualización</b>		
<p>15 Apague (OFF) el interruptor de encendido/apagado para salir en cualquier momento del Menú secundario y regresar a la visualización de la presión.</p>	<p><b>Presión:</b> Pulse y mantenga pulsado (8 segundos) el botón DTS para cambiar las unidades de presión (psi, bar, Mpa), a las unidades deseadas.</p>	<p><b>Volumen:</b> Pulse y mantenga pulsado (8 segundos) el botón DTS para cambiar las unidades del volumen (GAL, LITER10).</p>	<p><b>Distancia:</b> Pulse y mantenga pulsado (8 segundos) el botón DTS para cambiar las unidades de distancia (pies o m). Nota: Así también se cambia la formación de de película (mils o micras) y la velocidad (mph o kph).</p>
	<b>Cambiare le unità di visualizzazione</b>		
<p>15 Spegner la pompa in qualsiasi momento per uscire dal Menu secondario e ritornare al display della pressione.</p>	<p><b>Pressione:</b> Premere e tenere premuto (8 secondi) il pulsante DTS per cambiare le unità di pressione (psi, bar, MPa) nelle unità desiderate.</p>	<p><b>Volume:</b> Premere e tenere premuto (8 secondi) il pulsante DTS per cambiare le unità di volume (GAL, LITER10).</p>	<p><b>Distanza:</b> Premere e tenere premuto (8 secondi) il pulsante DTS per cambiare le unità di misurazione della distanza (piedi o metri). Nota: Ciò modifica anche l'accumulo di sporcizia (millimetri o micron) e la velocità (miglia all'ora o chilometri orari).</p>
	<b>De meeteenheden op het scherm veranderen</b>		
<p>15 Draai de AAN/UIT-schakelaar op UIT als u uit het Secundaire Menu en naar de weergave van de druk wilt gaan. Dit kan op elk moment.</p>	<p><b>Druk:</b> Druk op de DTS-knop en houd hem (8 seconden) ingedrukt om de drukwaarde-eenheid te veranderen naar de gewenste eenheid (psi, bar, MPa).</p>	<p><b>Volume:</b> Druk op de DTS-knop en houd hem (8 seconden) ingedrukt om de inhoudseenheid te veranderen (GAL, LITER10).</p>	<p><b>Afstand:</b> Druk op de DTS-knop en houd hem ingedrukt (8 seconden) om de afstandseenheid te veranderen (ft of m). Opmerking: Hiermee verandert ook de laagdikte-eenheid (mm of microns) en de snelheid (mijl of kilometer per uur).</p>
	<b>Alternar entre indicações</b>		
<p>15 Desligue o interruptor (OFF) em qualquer altura para sair do Menu Secundário e regressar à indicação da pressão.</p>	<p><b>Pressão:</b> Prima continuamente (durante 8 segundos) o botão DTS, para alternar entre unidades de pressão (psi, bar, Mpa) até obter a unidade pretendida.</p>	<p><b>Volume:</b> Prima continuamente (durante 8 segundos) o botão DTS para alternar entre as unidades de volume (GAL, LITER10).</p>	<p><b>Distância:</b> Prima continuamente (durante 8 segundos) o botão DTS, para alternar entre as unidades de distância (ft ou m). Nota: isto também alterna a espessura da película (mils ou microns) e a velocidade (mph ou kph).</p>


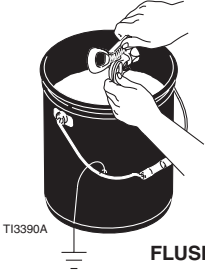
# Cleanup / Nettoyage / Limpieza / Pulizia / Reinigen / Limpeza

	<b>Pressure Relief</b>	<b>Pressure Relief</b>	<b>Pressure Relief</b>
1 Ground sprayer with grounding clamp.	2 Set pump valve OFF. Turn ON/OFF switch OFF.	3 Turn pressure to lowest setting. Trigger gun to relieve pressure.	4 Turn prime valve down.
	<b>Décompression</b>	<b>Décompression</b>	<b>Décompression</b>
1 Mettre le pulvérisateur à la terre au moyen de la pince de terre.	2 Mettre la vanne de la pompe sur ARRÊT. Mettre le bouton MARCHÉ/ARRÊT sur ARRÊT.	3 Réduire la pression au plus bas. Actionner le pistolet pour relâcher la pression.	4 Tourner la vanne d'amorçage vers le bas.
	<b>Descompresión</b>	<b>Descompresión</b>	<b>Descompresión</b>
1 Conecte a tierra el pulverizador con una abrazadera de conexión a tierra.	2 Coloque la válvula de la bomba en OFF. Apague (OFF) el interruptor de encendido/apagado.	3 Fije la presión en el valor más bajo. Dispare la pistola para liberar la presión.	4 Gire la válvula de cebado hacia abajo.
	<b>Sfogo della pressione</b>	<b>Sfogo della pressione</b>	<b>Sfogo della pressione</b>
1 Collegare a terra lo spruzzatore con un morsetto di messa a terra.	2 Spegner la valvola della pompa. Spegner l'interruttore di accensione.	3 Impostare la pressione sul valore più basso. Premere il grilletto per scaricare la pressione.	4 Abbassare la valvola di adescamento.
	<b>Drukontlasting</b>	<b>Drukontlasting</b>	<b>Drukontlasting</b>
1 Aard het spuitapparaat met een massaklem.	2 Zet de pompkraan op UIT. Draai de AAN/UIT-schakelaar op UIT.	3 Draai de druk op de laagste stand. Druk de trekker van het pistool in om de druk te ontlasten.	4 Draai de inspuitskraan omlaag.
	<b>Descompressão</b>	<b>Descompressão</b>	<b>Descompressão</b>
1 Faça a ligação terra do equipamento com o grampo de ligação à terra.	2 Coloque a válvula da bomba na posição de desactivada. Desligue o interruptor (OFF).	3 Reduza a pressão para o valor mínimo. Accione a pistola para descomprimir.	4 Rode a válvula de segurança para baixo.

 <p>TI3371A</p>	 <p>TI3690a</p>	 <p>TI3375A FLUSH</p>	 <p>TI3310a PAINT FLUSH</p>
<p>5 Remove guard and SwitchTip.</p>	<p>6 Unscrew bowl, remove filter. Assemble without filter. Clean filter.</p>	<p>7 Clean filter, guard and SwitchTip in flushing fluid.</p>	<p>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.</p>
<p>5 Démonter la garde et la buse SwitchTip.</p>	<p>6 Dévisser la cloche, démonter le filtre. Remonter sans le filtre. Nettoyer le filtre.</p>	<p>7 Nettoyer le filtre, la garde et SwitchTip avec un produit de rinçage.</p>	<p>8 Sortir le tuyau de succion de la peinture et le plonger dans le produit de rinçage. Utiliser de l'eau pour une peinture à base aqueuse et du white-spirit pour une peinture à l'huile.</p>
<p>5 Retire la protección y la boquilla de giro SwitchTip.</p>	<p>6 Desenrosque la cubeta, retire el filtro. Vuelva a montar sin el filtro. Limpie el filtro.</p>	<p>7 Limpie el filtro, la protección y la boquilla de giro SwitchTip con el líquido de lavado.</p>	<p>8 Retire el conjunto del tubo de aspiración del cubo de pintura e introdúzcalo en el líquido de lavado. Utilice agua para las pinturas al agua y alcohol mineral para pinturas al aceite.</p>
<p>5 Rimuovere la protezione e lo SwitchTip.</p>	<p>6 Svitare la tazza, rimuovere il filtro. Montare senza filtro. Pulire il filtro.</p>	<p>7 Pulire il filtro, la protezione e lo SwitchTip nel fluido di lavaggio.</p>	<p>8 Rimuovere il flessibile del sifone dalla vernice e metterlo nel fluido di lavaggio. Utilizzare l'acqua per la vernice a base acquosa e l'acqua ragia minerale per la vernice a base oleosa.</p>
<p>5 Verwijder de beschermer en de SwitchTip.</p>	<p>6 Schroef de kom los en verwijder het filter. Zet hem in elkaar zonder filter. Reinig het filter.</p>	<p>7 Reinig het filter, de beschermer en de SwitchTip in spoelvoestof.</p>	<p>8 Haal de sifonbuis uit de verf en plaats hem in spoelvoestof. Gebruik water voor verf op waterbasis en thinner voor verf op oliebasis.</p>
<p>5 Retire a protecção e o SwitchTip.</p>	<p>6 Desaperte o reservatório, retire o filtro. Monte o conjunto sem o filtro. Limpe o filtro.</p>	<p>7 Limpe o filtro, o protector e o SwitchTip em líquido de lavagem.</p>	<p>8 Retire o conjunto do tubo de sucção da tinta e coloque-o no líquido de lavagem. Utilize água para tintas à base de água e diluente para tintas à base de óleo.</p>

			
<p>9 Turn ON/OFF switch <b>ON</b> and start engine. Set pump valve <b>ON</b>.</p>	<p>10 Turn prime valve horizontal.</p>	<p>11 Hold gun against paint pail. Take trigger safety <b>OFF</b>. Turn pressure control up until motor begins to drive pump. Trigger gun until flushing fluid appears.</p>	<p>12 Move gun to flushing pail, hold gun against pail, trigger gun to thoroughly flush system. Release trigger and put trigger safety to <b>ON</b>.</p>
<p>9 Mettre le bouton <b>MARCHE/ARRET</b> sur <b>MARCHE</b> et démarrer le moteur. Mettre la vanne de pompe sur <b>MARCHE</b>.</p>	<p>10 Mettre la vanne d'amorçage en position horizontale.</p>	<p>11 Appuyer le pistolet contre le seau de peinture. <b>DEVERROUILLER</b> la gâchette. Augmenter la pression jusqu'à ce que le moteur commence à entraîner la pompe. Actionner le pistolet jusqu'à ce que le fluide de rinçage s'écoule.</p>	<p>12 Approcher le pistolet du seau de rinçage, l'appuyer contre le seau et actionner le pistolet pour rincer soigneusement les circuits. Relâcher la gâchette et <b>VERROUILLER</b> la gâchette.</p>
<p>9 Encienda (<b>ON</b>) el interruptor de encendido/apagado y ponga en marcha el motor. Coloque la válvula de la bomba en posición <b>ON</b>.</p>	<p>10 Coloque la válvula de cebado en posición horizontal.</p>	<p>11 Mantenga la pistola contra la lata de pintura. Suelte el seguro del gatillo <b>OFF</b>. Aumente el valor del control de presión hasta que el motor comience a accionar la bomba. Dispare al pistola hasta que comience a aparecer el líquido de lavado.</p>	<p>12 Mueva la pistola hasta el bidón de lavado, mantenga la pistola contra el bidón y dispárela para lavar el sistema. Suelte el gatillo y enganche (<b>ON</b>) el seguro.</p>
<p>9 <b>Accendere</b> l'interruttore di accensione e avviare il motore. Impostare la valvola del motore su <b>ON</b>.</p>	<p>10 Mettere in posizione orizzontale la valvola di adescamento.</p>	<p>11 Tenere la pistola contro il secchio metallico per la vernice. <b>Togliere</b> la sicura della pistola. Girare verso l'alto il controllo della pressione finché il motore comincia a guidare la pompa. Attivare la pistola fino a quando non compare il fluido del lavaggio.</p>	<p>12 Spostare la pistola verso il secchio per il lavaggio, mantenere la pistola contro il secchio, attivare la pistola per lavare completamente il sistema. Rilasciare il grilletto ed <b>inserire</b> il fermo della sicura della pistola.</p>
<p>9 Draai de AAN/UIT-schakelaar op <b>AAN</b> en start de motor. Zet de pompkraan <b>AAN</b>.</p>	<p>10 Zet de inspuitskraan in de horizontale stand.</p>	<p>11 Houd het pistool tegen een verfemmer. <b>ONTGRENDEL</b> de veiligheidspal van de trekker van het spuitpistool. Draai de drukregeling van de pomp omhoog tot de motor de pomp begint aan te drijven. Druk de trekker van het pistool in tot er spoelvlloeistof verschijnt.</p>	<p>12 Breng het pistool over naar de spoellemmer, houd het tegen de emmer aan en druk de trekker in tot het systeem grondig is gespoeld. Laat de trekker los en <b>VERGRENDEL</b> de veiligheidspal.</p>
<p>9 Ligue o interruptor (<b>ON</b>) e coloque o motor em funcionamento. Coloque a válvula da bomba na posição de activada.</p>	<p>10 Coloque a válvula de segurança na horizontal.</p>	<p>11 Encoste a pistola ao balde de tinta. <b>RETIRE</b> o dispositivo de segurança da pistola. Aumente o controlo de pressão até o motor começar a accionar a bomba. Accione a pistola até aparecer líquido de lavagem.</p>	<p>12 Vire a pistola para o balde de lavagem, segure a pistola contra o bale e accione-a, para lavar minuciosamente o sistema. Solte o gatilho e coloque o respectivo dispositivo de segurança.</p>

			
<p>13 Turn prime valve down and allow flushing fluid to circulate for 1 to 2 minutes to clean drain tube.</p>	<p>14 Raise siphon tube above flushing fluid and run sprayer for 15 to 30 seconds to drain fluid. Turn pump valve <b>OFF</b>. Turn ON/OFF switch <b>OFF</b>.</p>	<p>Caution: If flushing with water, flush again with mineral spirits, or Pump Armor, to leave a protective coating to prevent freezing or corrosion.</p>	<p>15 Make sure plastic center tube is tightened securely. Install filter bowl and filter. Hand tighten filter bowl.</p>
<p>13 Positionner la vanne d'amorçage vers le bas et faire circuler le produit de rinçage pendant 1 à 2 minutes pour nettoyer le tuyau de vidange.</p>	<p>14 Relever le tuyau de succion au-dessus du niveau de produit de rinçage et faire fonctionner le pulvérisateur pendant 15 à 30 secondes pour vidanger le produit. Mettre la vanne de pompe sur <b>ARRET</b>. Mettre le bouton <b>MARCHE/ARRET</b> sur <b>ARRET</b>.</p>	<p>Attention : en cas de rinçage à l'eau, rincer à nouveau avec du white-spirit ou un produit anti-corrosion pour que ce produit forme un revêtement protecteur qui empêchera le gel ou la corrosion.</p>	<p>15 S'assurer que le tuyau plastique central est bien fixé. Remonter la cloche du filtre et le filtre. Serrer la cloche du filtre à la main.</p>
<p>13 Gire hacia abajo la válvula de cebado y deje que el líquido de lavado circule durante 1 ó 2 minutos para limpiar el tubo de drenaje.</p>	<p>14 Suba el tubo de aspiración por encima del líquido de lavado y haga funcionar el pulverizador durante 15 a 30 segundos para drenar el líquido. Coloque la válvula de la bomba en posición <b>OFF</b>. Apague (<b>OFF</b>) el interruptor de encendido/apagado.</p>	<p>Precaución: Si se utiliza agua para el lavado, vuelva a lavar con alcohol mineral, o Protección para bombas y deje este recubrimiento protector en el pulverizador para ayudar a evitar la congelación o la corrosión.</p>	<p>15 Asegúrese de que el tubo central de plástico está firmemente apretado. Instale la cubeta del filtro y el filtro. Apriete a mano la cubeta del filtro.</p>
<p>13 Abbassare la valvola di adescamento e consentire al fluido di lavaggio di circolare per 1 – 2 minuti per pulire il flessibile di drenaggio.</p>	<p>14 Sollevare il tubo del sifone sul fluido di lavaggio e far funzionare lo spruzzatore da 15 a 30 secondi per scaricare il fluido. Impostare su <b>OFF</b> l'interruttore della pompa. <b>Spegnere</b> l'interruttore di accensione.</p>	<p>Attenzione: se si lava con acqua, lavare di nuovo con acqua ragia minerale o Armor per pompe e lasciare questo rivestimento protettivo per evitare il congelamento o la corrosione.</p>	<p>15 Assicurarsi che il flessibile con centro in plastica sia serrato fermamente. Installare la tazza del filtro e il filtro. Serrare a mano la tazza del filtro.</p>
<p>13 Draai de spuitkraan omlaag en laat de spoelvoestof 1 à 2 minuten circuleren om de afvoerbuiss te reinigen.</p>	<p>14 Til de sifonbuis op tot boven de spoelvoestof en laat het spuitapparaat 15 tot 30 seconden draaien om het materiaal af te voeren. Draai de pompkraan op <b>UIT</b>. Draai de AAN/UIT-schakelaar op <b>UIT</b>.</p>	<p>Voorzichtig: Als u spoelt met water, spoel dan nogmaals met thinner of Pump Armor voor een beschermlaag om bevriezing of corrosie te voorkomen.</p>	<p>15 Zorg ervoor dat de middelste kunststof buis goed wordt vastgezet. Installeer de filterkom en het filter. Draai de filterkom handvast.</p>
<p>13 Rode a válvula de segurança para baixo e permita que o líquido de lavagem circule durante 1 a 2 minutos para limpar o tubo de drenagem.</p>	<p>14 Coloque o tubo de sucção acima do nível do líquido de lavagem e coloque o equipamento em funcionamento durante 15 a 30 segundos, para drenar o líquido. Rode a válvula da bomba para <b>OFF</b>. Desligue o interruptor (<b>OFF</b>).</p>	<p>Cuidado: se efectuar a lavagem com água, lave novamente com diluente ou Pump Armor para deixar um revestimento protector para ajudar a evitar congelação ou corrosão.</p>	<p>15 Certifique-se de que o tubo central em plástico está firmemente apertado. Instale o reservatório do filtro e o filtro. Aperte o reservatório do filtro à mão.</p>

 <p>TI3388A</p>	 <p>TI3390A <b>FLUSH</b></p>		
<p>16 Wipe sprayer, hose and gun with a rag soaked in water or mineral spirits.</p>	<p>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.</p>		
<p>16 Essuyer le pulvérisateur, le flexible et le pistolet avec un chiffon imbibé d'eau ou de white-spirit.</p>	<p>17 Nettoyer la buse, la garde et le joint avec un pinceau souple pour empêcher tout dysfonctionnement dû à des dépôts de produit séché. Assembler les pièces et les monter sur le pistolet sans les bloquer.</p>		
<p>16 Frote el pulverizador, la manguera y la pistola con un paño empapado en agua o alcohol mineral.</p>	<p>17 Limpie la boquilla, la protección y la junta con un cepillo suave para evitar su deterioro debido a la acumulación de producto seco. Ensamble las piezas y sujételas, sin apretarlas demasiado, en la pistola.</p>		
<p>16 Asciugare spruzzatore, flessibile e pistola con un panno intinto nell'acqua o nell'acqua ragia minerale.</p>	<p>17 Pulire l'ugello, la protezione e la guarnizione con un pennello a setole morbide per prevenire il guasto delle parti dovuto a materiali essiccati. Montare le parti e collegare in modo lasco alla pistola.</p>		
<p>16 Veeg het spuittoestel, de slang en het pistool schoon met een doek die u in water of thinner hebt gedoopt.</p>	<p>17 Reinig de tip, de beschermer en de pakking met een zachte borstelharen borstel om te voorkomen dat de onderdelen defect raken door opgedroogd materiaal. Zet de onderdelen weer in elkaar en bevestig ze losjes op het pistool.</p>		
<p>16 Limpe o equipamento de pintura, o tubo e a pistola com um pano embebido em água ou diluente.</p>	<p>17 Limpe o bico, o protector e a junta com uma escova de cerdas macias, para evitar que as peças avariem devido à presença de produto seco. Monte as peças e encaixe-as folgadoamente na pistola.</p>		

## Warranty / Garantie / Garantía / Garanzia / Garantie / 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.

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.

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Graco does provide extended warranty and wear warranty for products described in the "Graco Contractor Equipment Warranty Program".

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

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# Repair – Parts List



## LineLazer™ III 200Hs






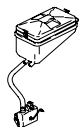
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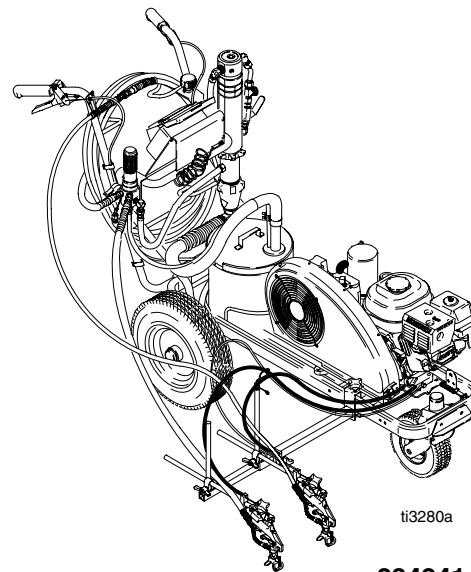
### AIRLESS PAINT STRIPERS

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



Read warnings and instructions.

						
234240	✓		✓			
234241		✓	✓			
234242	✓				✓	
234243		✓			✓	
234244	✓		✓			✓
234245		✓	✓			✓



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## Related Manuals

Operator .....	309892
Displacement Pump .....	309277
Spray Gun .....	309741
Spray Tip .....	*
PC Board .....	309459
Drain Valve Kit .....	308961

\* for spray tip selection, see page 6

# Warnings

## WARNING

	<p><b>INJECTION HAZARD</b></p> <p>Spray from the spray tip, hose leaks or ruptured components can inject fluid into your body and cause extremely serious injury, including the need for amputation. Splashing fluid in the eyes or on the skin can also cause serious injury.</p> <ul style="list-style-type: none"><li>• Fluid injected into the skin might look like just a cut, but it is a serious injury. <b>Get immediate medical attention.</b></li><li>• Do not point the spray tip at anyone or any part of the body.</li><li>• Do not put hand or fingers over the spray tip, and do not stop or deflect fluid leaks with your hand, body, glove or rag.</li><li>• Do not “blow back” fluid; this is not an air spray system.</li><li>• Always have the tip guard and the trigger guard on the in-line valve when spraying.</li><li>• Be sure the trigger safety lever operates before operating the in-line valve.</li><li>• Lock the trigger safety lever when you stop spraying.</li><li>• Follow the <b>Pressure Relief Procedure</b> on page 8 when you are instructed to relieve pressure; stop spraying; check, clean, or service any system equipment; or install or change spray tips.</li><li>• Tighten all fluid connections before each use.</li><li>• Check the hoses, tubes and couplings daily. Replace worn or damaged parts immediately. Permanently coupled hoses cannot be repaired.</li><li>• Handle and route hoses and tubes carefully. Keep hoses and tubes away from moving parts and hot surfaces. Do not use the hoses to pull equipment. Do not expose Graco hoses to temperatures above 150°F (65°C) or below -40°F (-40°C).</li></ul>
	<p><b>TOXIC FLUID HAZARD</b></p> <p>Hazardous fluids or toxic fumes can cause a serious injury or death if the fluid is swallowed or splashed in the eyes or on the skin or if the fumes are inhaled.</p> <ul style="list-style-type: none"><li>• Know the specific hazards of the fluid you are using.</li><li>• Store hazardous fluid in an approved container. Dispose hazardous fluid according to all local, state and national guidelines.</li><li>• Dress appropriately for your application. Wear protective eyewear, noise protection for the ears, a personal respirator, gloves, and clothing.</li></ul>
	<p><b>RECOIL HAZARD</b></p> <p>Due to the high pressure fluid emitted, a strong recoil action may occur when you trigger the pole gun. If you are unprepared, your hand could be forced back toward your body or you could lose your balance and fall, resulting in serious injury.</p>

## WARNING



## FIRE AND EXPLOSION HAZARD

Improper grounding, poor air ventilation, open flames, or sparks can cause a hazardous condition and result in fire or explosion and serious injury.

- Ground the equipment and the object being sprayed. See **Electrical Grounding** on page 7.
- Provide fresh air ventilation to avoid the buildup of flammable fumes from solvent or the fluid being sprayed.
- Extinguish all the open flames or pilot lights in the spray area.
- Electrically disconnect all the equipment in the spray area.
- Keep the spray area free of debris, including solvent, rags, and gasoline.
- Do not turn on or off any light switch in the spray area while operating or if fumes are present.
- Do not smoke in the spray area.
- Do not operate a gasoline engine in the spray area.
- If there is any static sparking while using the equipment, **stop spraying immediately**. Identify and correct the problem.



INSTRUCTIONS

## EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.

- This equipment is for professional use only.
- Read all instruction manuals, tags, and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are uncertain about the usage, call your distributor.
- Do not alter or modify this equipment. Use only genuine Graco parts and accessories.
- Check the equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rated system component. This equipment has a **3600 psi (25 MPa, 248 bar) maximum working pressure**.
- Route the hoses away from the traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose Graco hoses to temperatures above 150°F (65°C) or below -40°F (-40°C).
- Do not use the hoses to pull the equipment.
- Use fluids or solvents that are compatible with the equipment wetted parts. See the **Technical Data** section of all the equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Fluid hoses must have spring guards on both ends to protect them from rupture caused by kinks or bends near the couplings.
- Comply with all applicable local, state and national fire, electrical and other safety regulations.
- Wear hearing protection when operating this equipment.



## MOVING PARTS HAZARD

Moving parts can pinch or amputate fingers and other body parts.

- 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.



### **HAZARD OF USING FLUIDS CONTAINING HALOGENATED HYDROCARBONS**

Never use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in this equipment. Such use could result in a serious chemical reaction, with the possibility of explosion, which could cause death, serious injury and/or substantial property damage.

Consult your fluid suppliers to ensure that the fluids being used are compatible with aluminum and zinc parts.

# Spray Tip Selection Table

**LineLazer Tip Selection Guide.** Sprayer is supplied with tip LL5319. For additional applications, use the tip selection table as follows:

**Note:** the last three digits (LL5319) of the tip part number identifies the line width and tip orifice (opening). For example: the line width for tip LL5319 is 4 in. as shown in the table below. The tip orifice for tip LL5319 is .019 in.

**LineLazer Tip Selection Table**

Tip Size	Line Width in inches	Used For
221203*	2	Sport court – light film build
LL5213*	2	Sport court – heavy film build
LL5215*	4	Alkyd paints only – light film build
LL5217	4	Alkyd paints only – medium film build
LL5219	4	Alkyd paints only – heavy film build
LL5315	4	Most traffic paints – light film build
LL5317	4	Most traffic paints – medium film build
LL5319	4	Most traffic paints – medium film build
LL5321	4	Most traffic paints – heavy film build
LL5323	4	Most traffic paints – heavy film build
LL5327†	4	Most traffic paints – heavy film build
LL5417#	4 – 8	All paints and high solids traffic paints – light film build
LL5419#	4 – 8	All paints and high solids traffic paints – medium film build
LL5421#	4 – 8	All paints and high solids traffic paints – heavy film build
LL5621	8 – 12	All traffic paints – light film build
LL5623	8 – 12	All traffic paints – medium film build
LL5625	8 – 12	All traffic paints – medium film build
LL5627	8 – 12	All traffic paints – heavy film build

\* May require 100 mesh filter to minimize tip plugging.

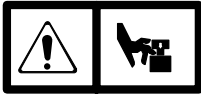
† Best for use with LineDriver.

# Best for cold weather applications.

**How to Maximize Line Quality and Reduce Tip Wear.** Observe the following suggestions to increase line quality and minimize sprayer tip wear.

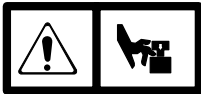
1. Select a larger tip orifice and run the sprayer at a reduced operating pressure.
2. Running larger tip sizes (example: use tip LL5321 @ 2000 psi instead of LL5317 @ 3300 psi) will significantly increase tip life and reduce tip plugging. It will also produce a more uniform film build across the line.

# General Repair Information



**MOVING PARTS HAZARD;**  
page 4.

1. **Keep all screws, nuts, washers, gaskets, and electrical fittings removed during repair procedures.** These parts are not normally provided with replacement assemblies.
2. **Test repair** after problem is corrected.
3. **If sprayer does not operate properly,** review repair procedure to verify procedure was done correctly. If necessary, see Troubleshooting Guide, page 9, for other possible solutions.



**MOVING PARTS HAZARD;**  
page 4.

4. **Install belt guard before operation** of sprayer and replace if damaged. Belt guard reduces risk of pinching and loss of fingers; see preceding **WARNING**.

## Grounding



**FIRE AND EXPLOSION HAZARD;** page 4.

Ground sprayer with grounding clamp to earth ground when flushing sprayer. Fig. 1.

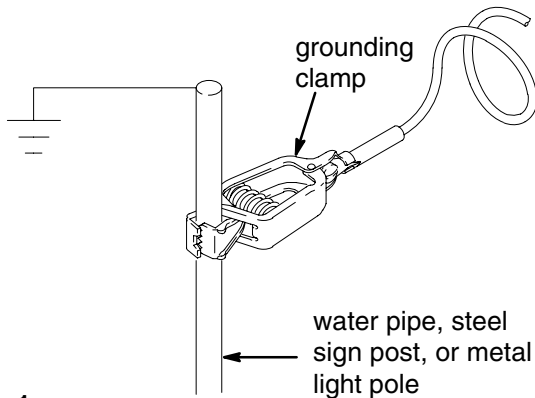
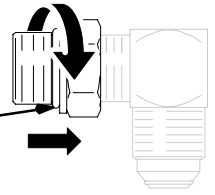


Fig. 1

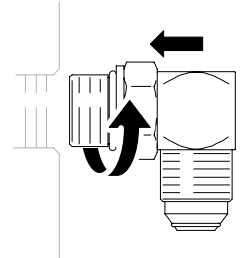
## SAE O-Ring Installation

1. Unscrew lock nut to touch fitting.

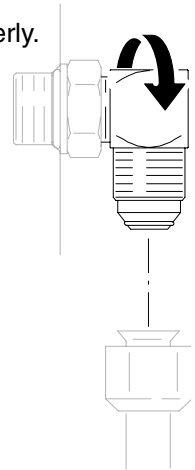


2. Lubricate o-ring

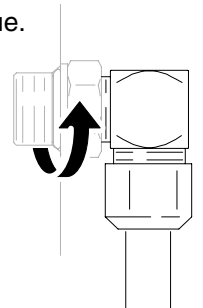
3. Screw in fitting hand tight.



4. Unscrew fitting until oriented properly.



5. Tighten lock nut to indicated torque. (Make sure washer is seated properly without pinching o-ring).



# Maintenance



**FLUID INJECTION  
HAZARD;** page 3.

## Pressure Relief Procedure

1. Lock gun trigger safety.
2. Turn engine ON/OFF switch to OFF.
3. Move pump valve to OFF (down) 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.*

## CAUTION

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

**DAILY:** Check engine oil level.

**DAILY:** Check hydraulic oil level.

**DAILY:** Check hose for wear and damage.

**DAILY:** Check gun safety for proper operation.

**DAILY:** Check pressure drain valve for proper operation.

**DAILY:** Check and fill gas tank.

**DAILY:** Check that displacement pump is tight.

**DAILY:** Top off TSL level in displacement pump packing nut to help prevent material buildup on piston rod and early wear of packings.

**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.

**WEEKLY:** Remove engine air filter cover and clean element and replace, if necessary. If operating in an unusually dusty environment: check filter daily.

**WEEKLY/DAILY:** Remove any debris from hydraulic rod.

**AFTER EACH 100 HOURS OF OPERATION:** Change engine oil. Reference Honda Engines Owner's Manual for correct oil viscosity.

**SEMI-ANNUALLY:** Check belt wear, page 19; replace if necessary.

**YEARLY OR 2000 HOURS:** Replace hydraulic oil and filter element with Graco hydraulic oil 169236 (5 gallon/20 liter) or 207428 (1 gallon/3.8 liter) and filter element 246173; page 6.

## Caster Wheel

(See letter call-outs in **Parts** drawing on page 38)

1. Once each year, tighten nut (154m) until spring washer bottoms out. Then back off the nut 1/2 to 3/4 turn.
2. Once each year, tighten nut (76) until it begins to compress spring washer. Then tighten the nut an additional 1/4 turn.
3. Once each month, grease wheel bearing (F).
4. Check pin (154e) for wear. If pin is worn out, there will be play in the caster wheel. Reverse or replace pin as needed.
5. Check caster wheel alignment as necessary. To align: loosen bolt (155), align wheel and tighten bolt (155).



# Troubleshooting



**FLUID INJECTION HAZARD;** page 3. Relieve pressure; page 8.

PROBLEM	CAUSE	SOLUTION
E=XX is displayed	Fault condition exists	Determine fault correction from table, page 15.
Gas engine pulls hard (won't start)	Hydraulic pressure is too high	Turn hydraulic pressure knob counterclockwise to lowest setting
Engine won't start	Engine switch is OFF	Turn engine switch ON
	Engine is out of gas	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 cable 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	Pump valve is OFF	Turn pump valve ON.
	Pressure setting is too low	Turn pressure adjusting knob clockwise to increase pressure. Manual 309892.
	Fluid filter (203) is dirty	Clean filter. Page 30.
	Tip or tip filter is clogged	Clean tip or tip filter. Manual 309741.
	Displacement pump piston rod is stuck due to dried paint	Repair pump. Manual 309277.
	Belt worn, broken or off pulley	Replace
	Hydraulic fluid too low	Shut of sprayer. Add fluid*.
	Hydraulic motor not shifting	Set pump valve OFF. Turn pressure down. Turn engine OFF. Pry rod up or down until hydraulic motor shifts.

\*Check hydraulic fluid level often. Do not allow it to become too low. Use only Graco approved hydraulic fluid, page 8.

# Troubleshooting

PROBLEM	CAUSE	SOLUTION
Displacement pump operates, but output is low on up-stroke	Piston ball (206) is not seating	Service piston ball. Manual 309277.
	Piston packings are worn or damaged	Replace packings. Manual 309277.
Displacement pump operates but output is low on downstroke and/or on both strokes	Strainer (31) is clogged	Clean strainer. Sprayer 233716 strainer is for use in paint only.
	O-ring (227) in pump is worn or damaged	Replace o-ring. Manual 309277.
	Intake valve ball is packed with material or is not seating properly	Clean intake valve. Manual 309277.
	Engine speed is too low	Increase throttle setting. Manual 309892.
	Suction tube air leak	Tighten suction tube.
	Pressure setting is too low	Increase pressure. Manual 309892.
	Fluid filter (203), tip filter or tip is clogged or dirty	Clean filter. Manual 309892 or 309741.
	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).
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 309277.
	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 309892.
High engine speed at no load	Misadjusted throttle setting	Reset throttle to 3700 – 3800 engine rpm at no load
	Worn engine governor	Replace or service engine governor
Low stall or run pressure shown on display	New pump or new packings	Pump break-in period takes up to 100 gallons of material
	Faulty transducer	Replace transducer

# Troubleshooting

PROBLEM	CAUSE	SOLUTION
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 309277.
	Displacement rod is worn or damaged	Replace rod. Manual 309277.
Fluid is spitting from gun	Air in pump or hose	Check and tighten all fluid connections. Reprime pump. Manual 309892.
	Tip is partially clogged	Clear tip. Manual 309741.
	Fluid supply is low or empty	Refill fluid supply. Prime pump. Manual 309892. Check fluid supply often to prevent running pump dry.
Excessive leakage around hydraulic motor piston rod wiper	Piston rod seal worn or damaged	Replace these parts.
Fluid delivery is low	Pressure setting too low Displacement pump outlet filter (if used) is dirty or clogged Intake line to pump inlet is not tight Hydraulic motor is worn or damaged Large pressure drop in fluid hose	Increase pressure. See manual 309548. Clean filter  Tighten Bring sprayer to Graco distributor for repair Use larger diameter or shorter hose
The sprayer overheats	Paint buildup on hydraulic components	Clean
	Oil level is low	Fill with oil, page 8.
Excessive hydraulic pump noise	Low hydraulic fluid level	Shut off sprayer. Add fluid*, page 8.
Gallon counter not working	Broken or disconnected wire	Check wires and connections. Replace broken wires.
	Bad sensor	Replace sensor
	Missing or damaged magnet	Replace magnet. Locate in correct spot.
Sprayer operates, but display does not	Bad connection between control board and display	Remove display and reconnect
	Display damaged	Replace display
	Loose cables	Connect cables to back of control board
	Control board LED not flashing	Replace control board

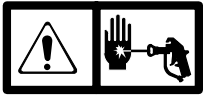
# Troubleshooting

PROBLEM	CAUSE	SOLUTION
Distance counter not operating properly	Trigger sensor not set correctly	See "Spray icon does not show on display when fluid is sprayed"
	Bad wiring connections	Check connector, and reconnect
	Distance sensor not spaced correctly from gear	Adjust space between sensor and gear to .050 -/+ .020"
	Distance and gear not aligned	Remove tire, and press in or pull out gear to align sensor and gear.
	Gear teeth missing or damaged.	Replace distance gear/wheel
	Wire cracked or broken	Replace sensor
Mils not calculating	Distance sensor	See "Distance counter not operating properly"
	Trigger sensor	See "Spray icon does not show on display when fluid is sprayed"
	Gallon counter	See "Gallon counter not working"
	Bad or damaged control board	Replace control board
Fluid spray starts after spray icon is shown on display	Interrupter (213) is improperly positioned	Turn screw (218) counterclockwise until spray icon synchronizes with fluid spray
Fluid spray starts before spray icon is shown on display	Interrupter (213) is improperly positioned	Turn screw (218) clockwise until spray icon is synchronized with fluid spray
Spray icon does not show on display when fluid is sprayed	Loose connector	Check that 5-pin connector and reed switch are properly connected
	Interrupter (213) is improperly positioned	Turn screw (218) counterclockwise until spray icon synchronizes with fluid spray
	Reed switch assembly (211) is damaged	Replace reed switch assembly (211)
	Magnet on assembly (211) is missing	Replace reed switch assembly (211)
	A connector on wiring harness (60) or on reed switch (211) is damaged	Disconnect reed switch and 5-pin connector from back of control board. Check continuity between pin 1 on 2-pin connector and pin 1 on 5-pin connector. Check continuity between pin 2 on 2-pin connector and pin 4 on 5-pin connector. If there is no continuity in either case, replace wiring harness (60). If there is continuity in both cases replace reed switch assembly (211).
	Cut or sliced wire	Replace wiring harness (60)
	Control board is damaged	Replace control board
Display is damaged	Replace display	
Spray icon is always shown on display	Interrupter (213) is improperly positioned	Turn screw (215) clockwise until spray icon is synchronized with fluid spray
	Reed switch assembly (211) is damaged	Replace reed switch assembly (211)
Pressure control knob does not rotate	Knob is jammed	Pull back cover where remote cable connects to hydraulic pump and turn counter clockwise (ccw) until free
Pressure control knob rotates freely with no pressure change	Remote cable broken or disconnected	Replace or reconnect cable
Engine bounces when striping	Spring (122) is broken, loose or missing	Replace or reconnect spring

# Digital Tracking System

## ON/OFF Switch

### Removal



**FLUID INJECTION  
HAZARD;** page 3.

1. Relieve pressure; page 8.
2. Fig. 2. Remove four screws (93) and display/cover (95).
3. Pull display connector wings (A) open on PC board and pull display connector out.
4. Disconnect ON/OFF switch (30) connector (B) from PC board (123).
5. Press in on two retaining tabs on each side of ON/OFF switch (30) and remove switch.

### Installation

1. Fig. 2. Install new ON/OFF switch (30) so tabs of switch snap into place on inside of pressure control housing.
2. Connect ON/OFF switch connector (B) to PC board.
3. Push display connector into PC board and close display connector wings (A) on PC board (123).
4. Install display/cover (95) with four screws (93).

## PC Board

### Removal



**FLUID INJECTION  
HAZARD;** page 3.

1. Relieve pressure; page 8.
2. Fig. 2. Remove four screws (93) and display/cover (95). Pull display connector wings open on PC board and pull display connector out.
3. Disconnect ON/OFF switch (30), connector (B), at control board (123).
4. Remove six screws (217) from control board (123) and green ground wire (F).
5. Remove two connectors (Y) at backside of pressure control. Remove jam nuts (Z) and control board (123).

### Installation

When installing replacement control board, follow instructions with control board to set model type.

1. Fig. 2. Install control board (123) and jam nuts (Z). Install two connectors (Y) at backside of pressure control.
2. Install green ground wire and control board (123) with six screws (217).
3. Connect ON/OFF switch (30), connector (B), to control board (123).
4. Push display connector into PC board close display connector wings on PC board. Install display/cover (95) with four screws (93).

## Pressure Control Transducer

### Removal



**FLUID INJECTION  
HAZARD;** page 3.

1. Relieve pressure; page 8.
2. Fig. 2. Remove four screws (93) and display/cover (95).
3. Disconnect lead (E) from control board (123).
4. Remove strain relief (151). Pull transducer connector through control housing (112).
5. Remove pressure control transducer (203p) and o-ring (203r) from filter housing.

7. Remove pressure control transducer (203p) and o-ring (203r) from filter housing (203e).

### Installation

1. Fig. 2. Install o-ring (203r) and pressure control transducer (203p) in filter housing. Torque to 30–36 ft-lb.
2. Install transducer cable in strain relief through control box. Install filter housing and spacer to control box with two screws (270).
3. Connect lead (E) to motor control board (123).
4. Install display/cover (95) with four screws (93).

# Digital Tracking System

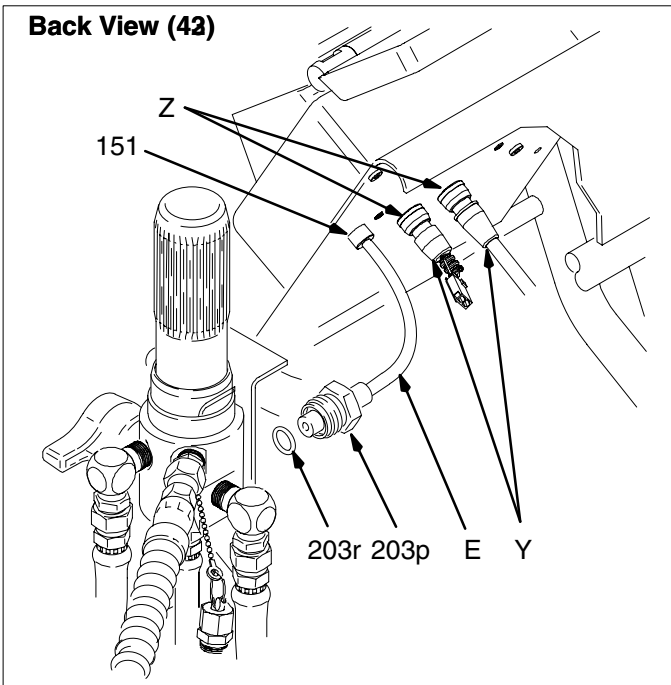
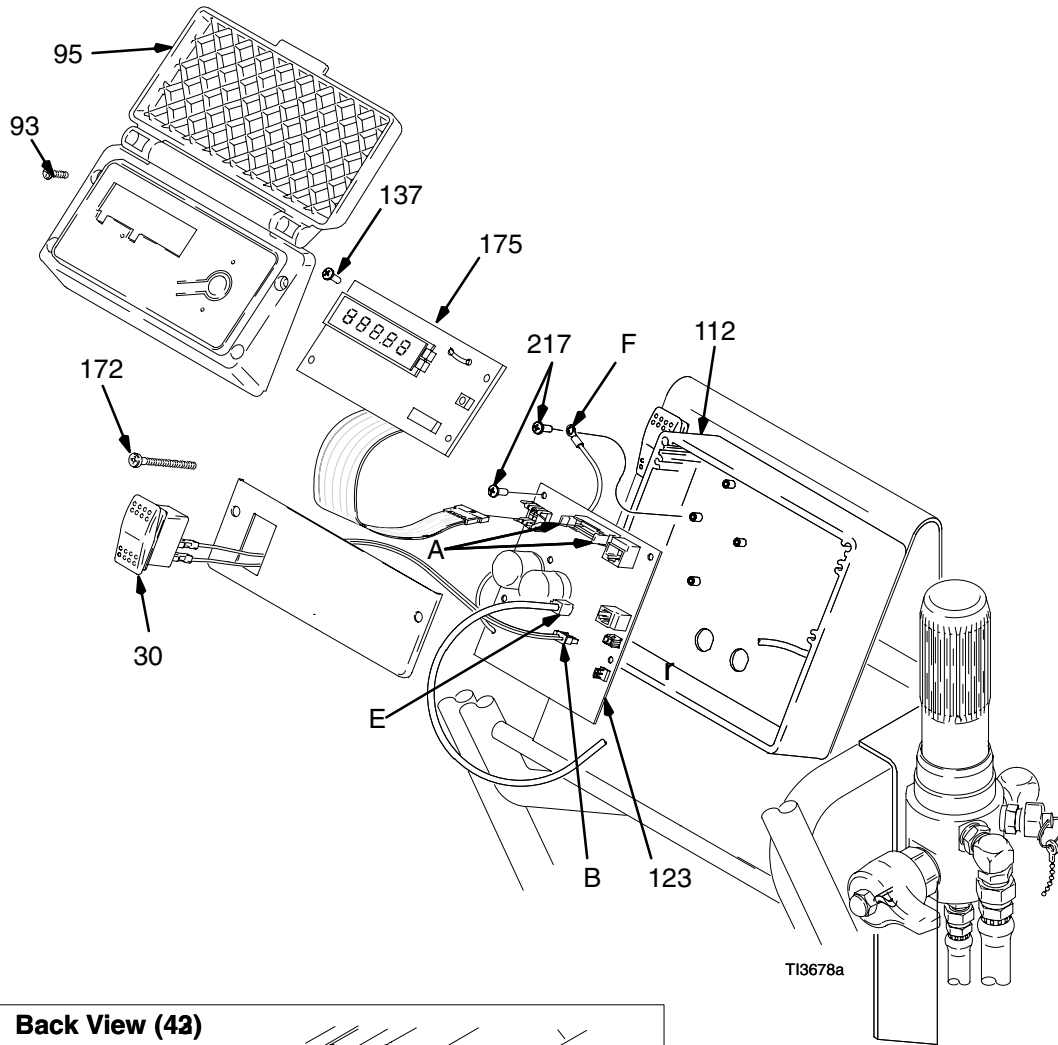


Fig. 2

T13678a

# PC Board Diagnostics

## Digital Display Messages



Relieve pressure before repair; page 8. No display does not mean that sprayer is not pressurized.

DISPLAY	SPRAYER OPERATION	INDICATION	ACTION
No Display	Sprayer may be pressurized.	Loss of power or display not connected	Check power source. Relieve pressure before repair or disassembly. Verify display is connected.
- - - -	Sprayer may be pressurized.	Pressure less than 200 psi (14 bar, 1.4 MPa)	Increase pressure as needed
3000 psi 210 bar 21 MPa	Sprayer is pressurized. Power is applied. (Pressure varies with tip size and pressure control setting.)	Normal operation	Spray
E:02	Engine and system continue to run.	Exceeded pressure limit	Remove any filter clogs or flow obstructions.
E:03	Engine and system continue to run.	Pressure transducer faulty, bad connection or broken wire.	Check transducer connections and wire. Replace transducer or control board, if necessary.

### After a fault, follow these steps to restart sprayer:


1. Correct fault condition
2. Turn sprayer OFF
3. Turn sprayer ON

# Trigger Sensor Adjustment

Refer to **Troubleshooting** for trigger sensor adjustment, and Operation Manual 309892.

## Distance Sensor Adjustment

### Gear Alignment

1.  **FLUID INJECTION HAZARD;** page 3.
2. Relieve pressure; page 8.
3. Fig. 3. Remove dust cap (77) from wheel. Remove nut (76).
4. Remove wheel (74) from LineLazer.
5. Align gear (59) with sensor.
  - a. Pull gear out from wheel with gear puller.

- b. Push gear in toward wheel with mallet.

6. Install wheel (74) on LineLazer.
7. Install nut (76) until tight, then back off 1/4 turn. Install dust cap (77) on wheel.

### Sensor Height Adjustment

1. Remove wheel (74) from LineLazer.
2. Remove sensor assembly (60).
3. Adjust sensor assembly height with two 17 mm nuts of sensor so bottom surface of sensor is  $0.638 \pm 0.020$  from bottom surface of shield. Torque to  $8 \pm 2$  in-lb.

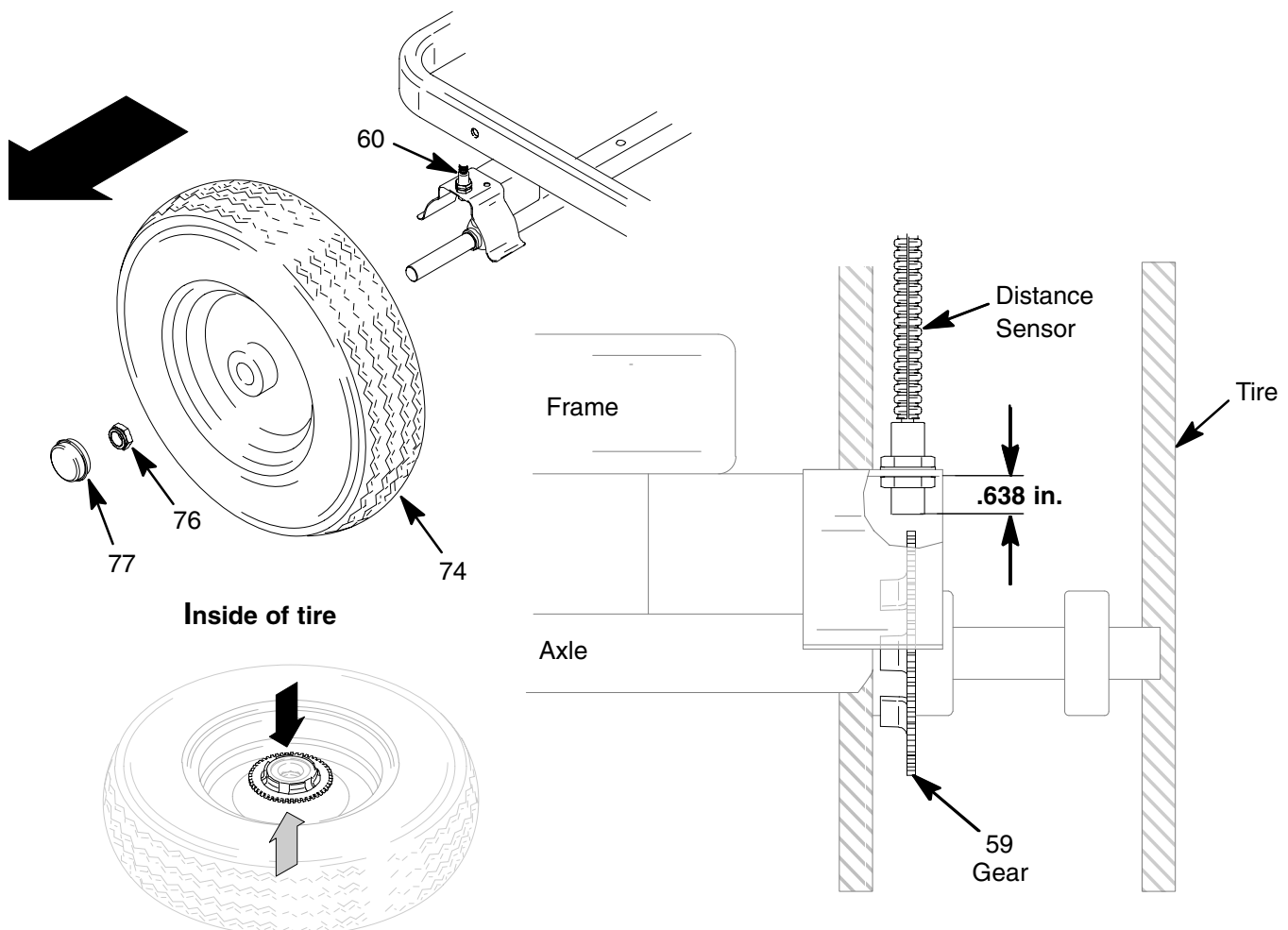



Fig. 3



# Hydraulic Pump

## Removal

-  **FLUID INJECTION HAZARD;** page 3.  
  
Let hydraulic system cool before beginning service.
- Relieve pressure; page 8.
- Place drip pan or rags under sprayer to catch hydraulic oil that leaks out during repair.
- Remove drain plug (97) and oil filter (104) and allow hydraulic oil to drain.
- Remove two screws (214a), screw (269) and belt guard (223).
- Raise motor and remove belt (101).
- Remove two set screws (133) and fan pulley (167).
- Remove case drain tube (169).
- Disconnect hydraulic hoses (165) and (166).
- Remove elbow (37).
- Loosen screw (69) and remove pressure control guard (142).
- Loosen set screw (261) and remove remote pressure control cable (259).
- Remove eight screws (69) and washers (3), reservoir cover (68), filter assembly (A) and gasket (141).
- Remove four screws (5) and o-rings (17), o-ring (58) and hydraulic pump (181) from reservoir cover (68).

## Installation

- Install hydraulic pump (181) on reservoir cover (68) with four screws (5) and o-rings (17), o-ring (58); torque 100 in-lb (11 N·m).
- Install gasket (141) filter assembly (A) and reservoir cover (68) with eight washers (3) and screws (27); torque 90 in-lb (10 N·m).
- Install elbow (37) per instructions, page 4; torque to 15 ft-lb (20.3 N·m).
- Install pressure control guard (142) and tighten screw (69).
- Connect hydraulic hoses (165) and (166).
- Install case drain tube (169); torque to 25 ft-lb (33.9 N·m).
- Install fan pulley (167) with two set screws (133).
- Raise motor and install belt (101).
- Install belt guard (223) with two screws (214a) and screw (269).
- Install remote pressure control cable (259). Tighten set screw (261) against flat on compensator stud (260).
- Install drain plug (97); torque to 110 in-lb (12.4 N·m). Install oil filter (104); tighten 3/4 turn after gasket contacts base. Fill with Graco hydraulic oil, page 8.
- Start up and allow pump to operate at low pressure for approximately 5 minutes to purge all air.
- Check and top off hydraulic oil level.

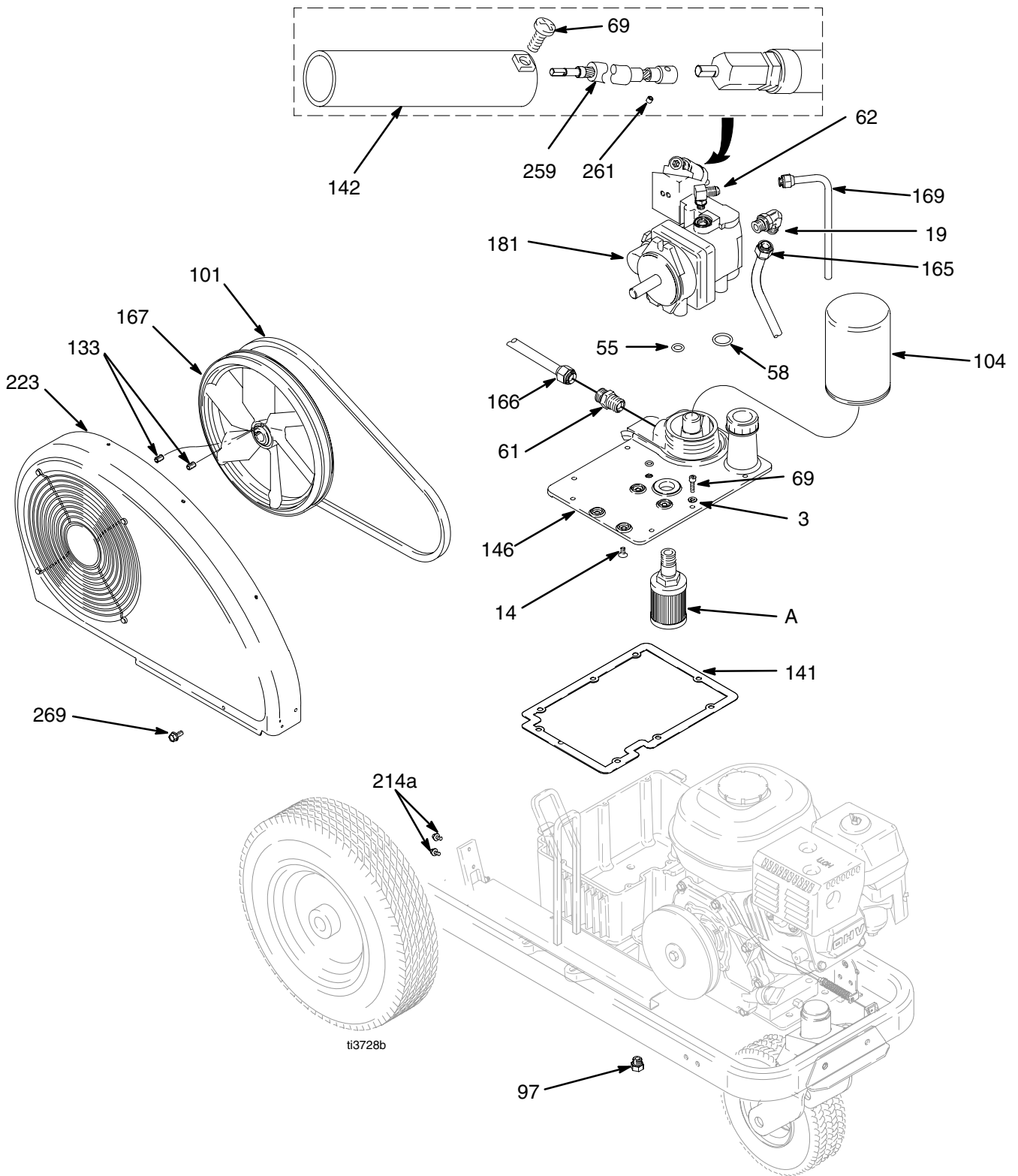


Fig. 4

# Fan Belt

## Removal



**FLUID INJECTION  
HAZARD;** page 3.

1. Relieve pressure; page 8.
3. Fig. 5. Remove screw (269).
4. Rotate belt guard (223) up.
5. Lift engine (119) up to remove tension on belt (101).
6. Remove belt from fan pulley (167) and drive pulley (100).

## Installation

1. Thread belt (101) around drive pulley (100) and fan pulley (167).
2. Let engine (119) down to put tension on belt.
3. Rotate belt guard (223) down.
4. Install screw (269).

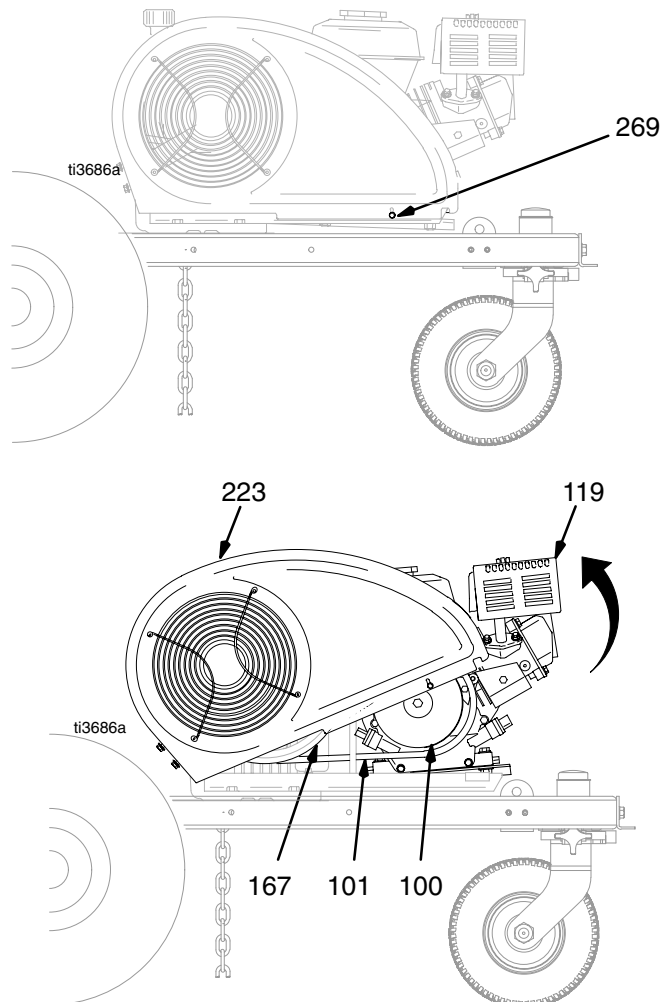



Fig. 5

# Engine

## Removal

1.  **FLUID INJECTION HAZARD**; page 3.
2. Relieve pressure; page 8.
3. Remove throttle cable from engine.
4. Loosen cap screw (69). Swing motor retainer bracket (207) out.
5. Do **Fan Belt, Removal**; page 19.
6. Fig. 6. Disconnect red, green and black leads from engine (119).
7. Remove engine and rocker plate (188) from sprayer.
8. Remove four screws (65), washers (22) and nuts (129) and remove rocker plate, dampeners (66) and washers (136) from engine.

## Installation

1. Install rocker plate (188), dampeners (66) and washers (136) on engine (119) with four screws (65), washers (22) and nuts (129); torque to 125 in-lb (14.1 N·m).
2. Install engine and rocker plate (188) on sprayer.
3. Connect red, green and black leads.
4. Do **Fan Belt, Installation**; page 19.
5. Swing motor retainer bracket (207) in. Tighten cap screw (69).

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

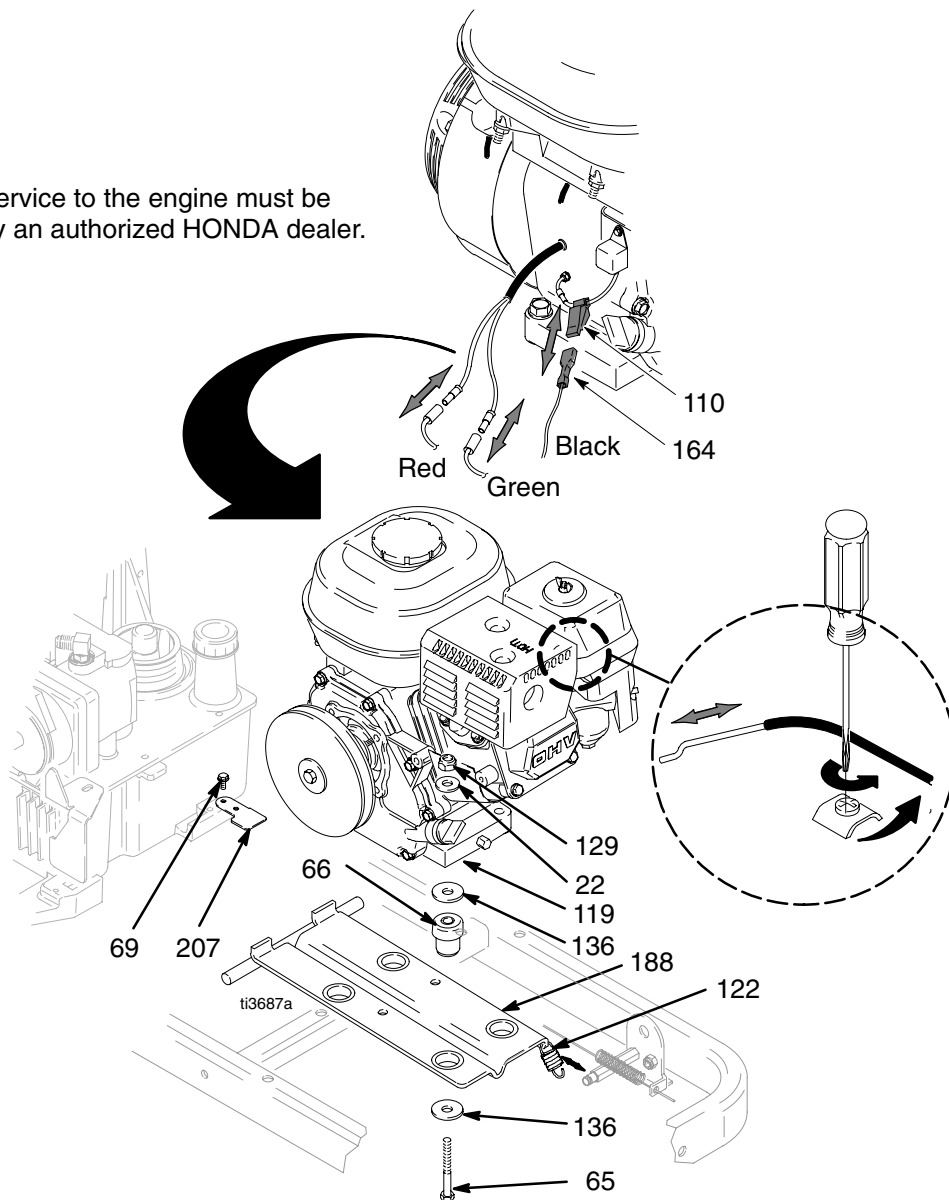
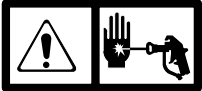


Fig. 6

# Hydraulic Motor Yoke

## Removal

-  **FLUID INJECTION HAZARD;** page 3.
- Relieve pressure; page 8.
- Place drip pan or rags under sprayer to catch hydraulic oil that leaks out during repair.
- Fig. 7. Slide retainer clip (114) and magnet ring (150) down to remove. Remove pump pin (126).
- Remove hydraulic lines (161, 166) from fittings (47) at top left and right side of hydraulic motor.
- Loosen jam nut (144).
- Unscrew and remove hydraulic motor cap (143).
- Slide piston rod/hydraulic motor cap assembly (A) from hydraulic motor cylinder.
- Remove yoke (228).
  - Clamp hydraulic motor cap in vise with hydraulic motor piston rod facing up.
  - Use shortened Allen wrench to remove two screws (34) from spring retainer (237). Remove yoke, spring retainer, piston and trip rod assembly from hydraulic motor cap.



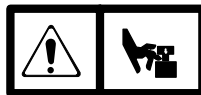
**MOVING PARTS HAZARD;**  
page 4.

Do not remove spring retainer (237) from yoke (228). If yoke is worn, replace yoke and spring retainer assembly with Yoke Repair Kit 246175.

- Put yoke in vise. Remove set screw (228b) and remove piston rod assembly from yoke.

## Installation

- Assemble yoke (228) to trip rod (228a)
  - Clean threads with primer or chlorinated solvent and let dry 3 to 4 minutes. Apply thread sealant to female threads of yoke. Clamp yoke in vise and, with wrench on flats of trip rod, screw trip rod into yoke. Torque to 55 in-lb (6.2 N·m). Install set screw (228b). Allow thread sealant to dry for 3 hours prior to contact with hydraulic fluid.



**MOVING PARTS HAZARD;**  
page 4.

- Fig. 7. Put hydraulic motor cap (143) in vise.
  - Install yoke, spring retainer, piston and trip rod assembly in hydraulic motor cap. Use shortened Allen wrench to install two screws (34) in spring retainer to secure piston rod assembly to hydraulic motor cap.
- Slide piston rod assembly (A) into hydraulic motor cylinder.
  - Screw down hydraulic motor cap (143) until cap bottoms out. Unscrew hydraulic motor cap until inlet and outlet align with hydraulic line fittings and test hole in hydraulic motor cap points toward belt guard (223).
  - Torque jam nut (144) against hydraulic motor cap (143) to 150 ft-lb (17 N·m).
  - Install hydraulic lines (161, 166) to fittings (47) to top left and right side of hydraulic motor per procedure on page 7; torque to 40 ft-lb (54.2 N·m).
  - Pull start rope slowly to align pin holes of hydraulic motor and displacement pump (111). Connect with pump pin (126); install retainer clip (114), page 24.
  - Start engine and operate pump for 30 seconds. Turn engine OFF. Check hydraulic oil level and fill with Graco hydraulic oil, page 8.

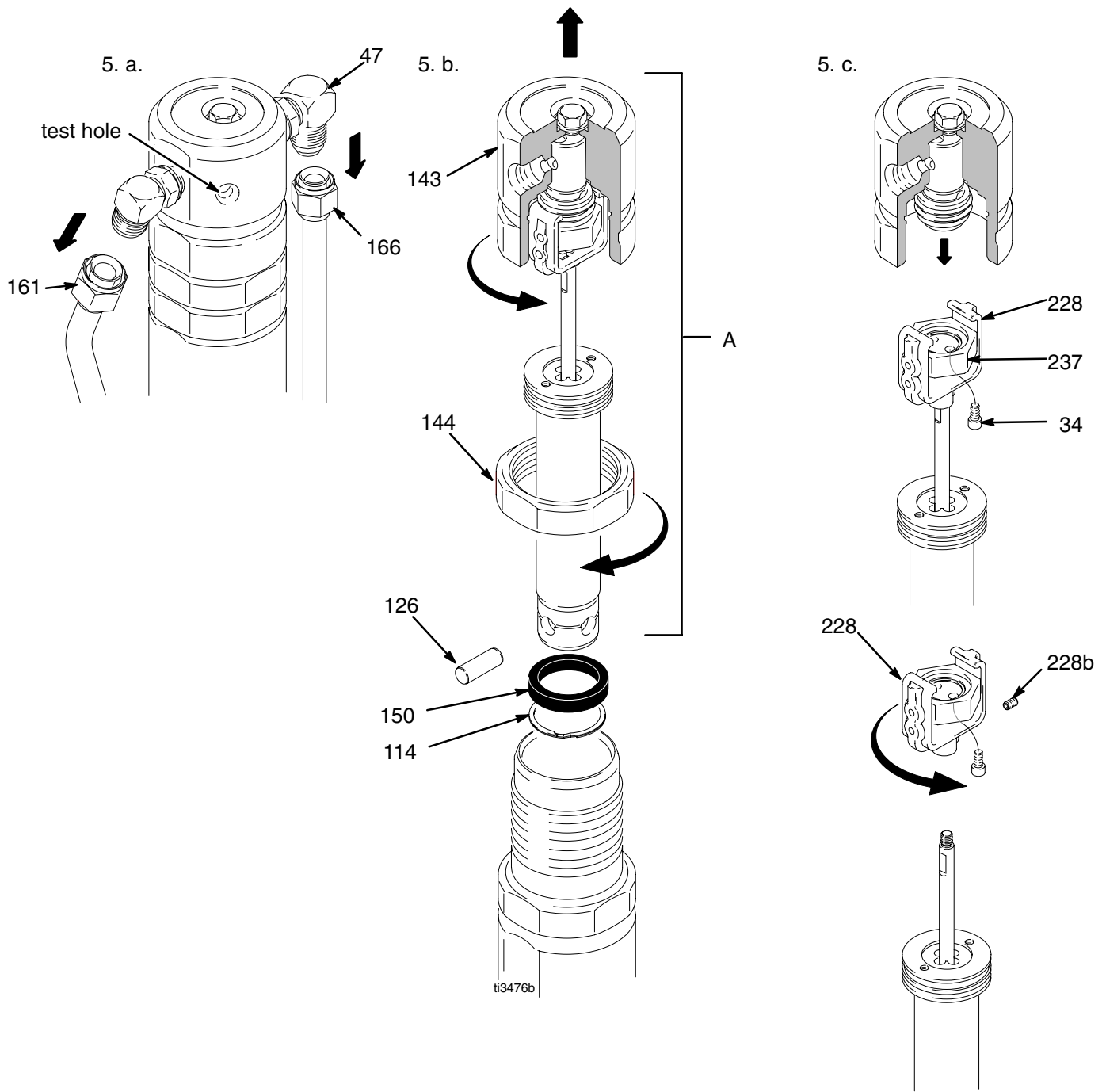


Fig. 7

# Oil/Filter Change

## Removal

1. Fig. 8. Place drip pan or rags under sprayer to catch hydraulic oil that drains out.
2. Remove drain plug (97). Allow hydraulic oil to drain.
3. Unscrew filter (104) slowly – oil runs into groove and drains out rear.

## Installation

1. Install drain plug (97). Apply a light coat of oil to oil filter gasket and install oil filter (104). Tighten oil filter 3/4 turn after gasket contacts base.
2. Fill with four quarts of Graco hydraulic oil 169236 (5 gallon/20 liter) or 207428 (1 gallon/3.8 liter)
3. Check oil level.

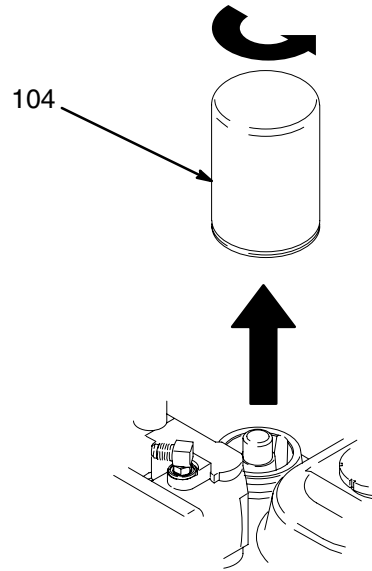


Fig. 8

# Gallon Counter

## Removal

1. Fig. 9. Disconnect gallon counter cable at back of pressure control and at engine.
2. Remove reed switch from hydraulic motor.

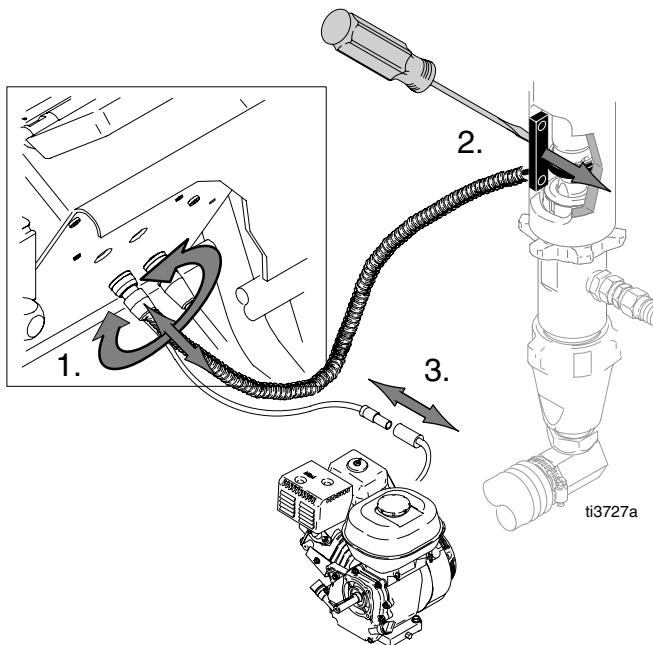


Fig. 9

3. Fig. 11 – 13. Remove pump.
4. Fig. 10. Remove ring magnet (150).

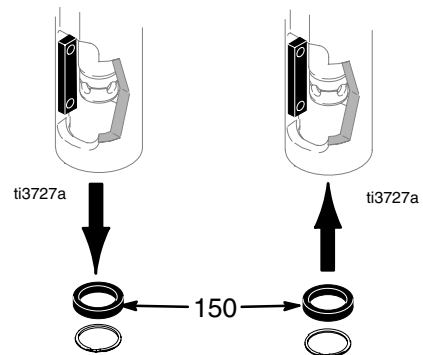


Fig. 10


## Installation

1. Fig. 10. Install new ring magnet (150) with dimple marks facing down.
2. Fig. 14 – 16. Install pump.
3. Install new reed switch on hydraulic motor.
4. Fig. 9. Connect gallon counter cable at back of pressure control and at engine.

# Displacement Pump

See manual 309277 for pump repair instructions.

## Removal

1. Flush pump.
2.  **FLUID INJECTION HAZARD;** page 3.
3. Relieve pressure; page 8.
4. Fig. 11. Remove suction tube (11) and hose (13).

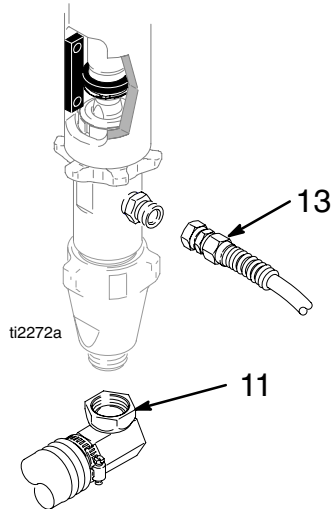


Fig. 11

## CAUTION

Gallon counter may error if magnet ring and/or sensor assembly are damaged during disassembly and assembly.

5. Fig. 12. Push magnet ring (150) up. Push retaining spring (114) up. Push out pin (126).

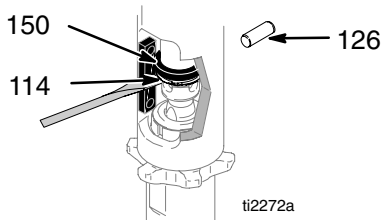


Fig. 12

6. Fig. 13. Loosen jam nut. Unscrew pump.

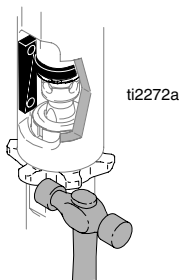


Fig. 13  
24 309896

## Installation

## CAUTION

If the pump jam nut loosens during operation, the threads of the hydraulic motor manifold will be damaged. Tighten jam nut as specified.

1. Fig. 14. Screw jam nut to bottom of pump threads. Screw pump completely into manifold. Unscrew pump from manifold until pump outlet aligns with hose. Hand tighten jam nut, then tap 1/8 to 1/4 turn with hammer or torque to 200 ft-lb (270 N-m).

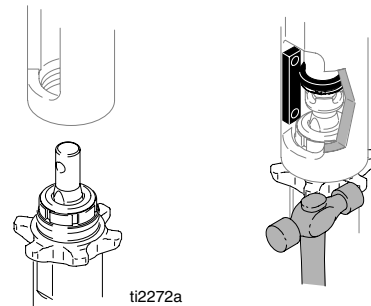


Fig. 14



**MOVING PARTS HAZARD;**  
page 4.

2. Fig. 15. Slowly pull engine starter rope until pump rod pin hole is aligned with hydraulic rod hole. Fig. 12. Push pin (126) into hole. Push magnet ring down. Push retaining spring (114) into groove.

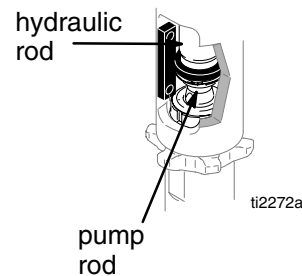


Fig. 15

- Fig. 16. Fill packing nut with Graco TSL.

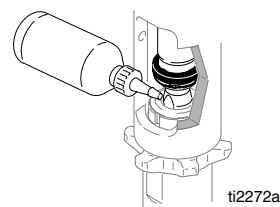
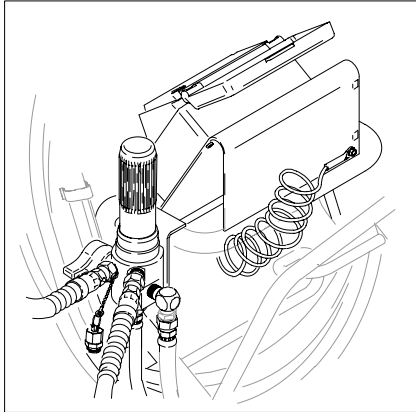


Fig. 16

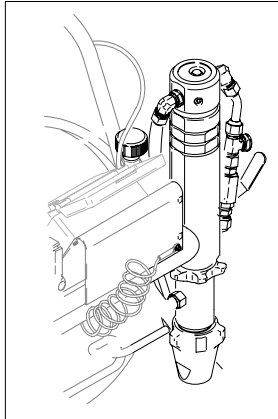


# Parts – LineLazer III 200Hs

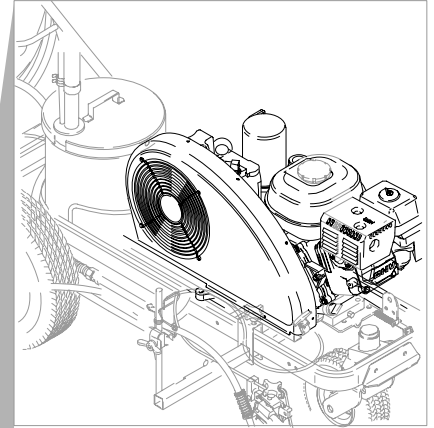
Parts Page 30 and 32



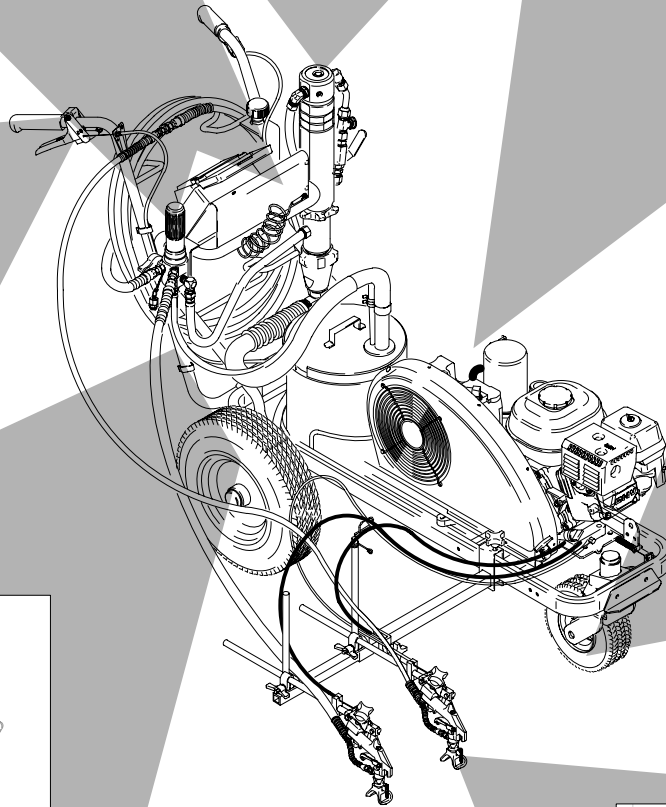
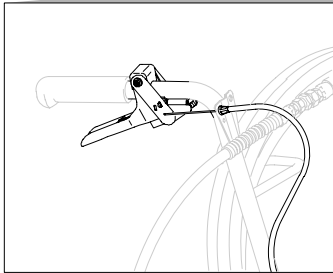
Parts Page 34



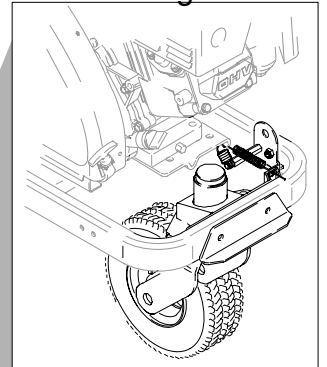
Parts Page 36



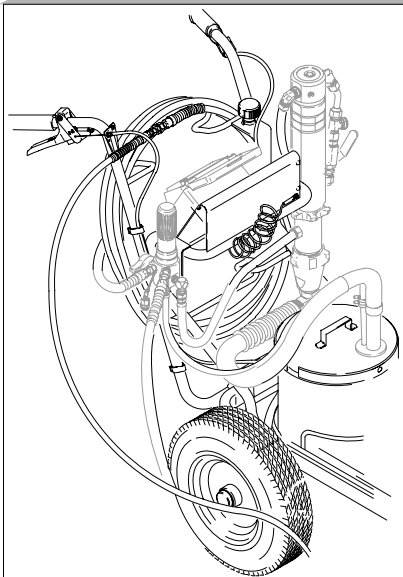
Parts Page 28



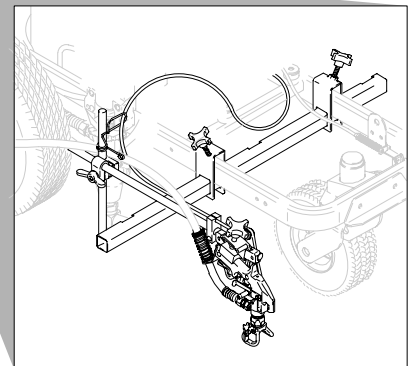
Parts Page 38



Parts Page 26



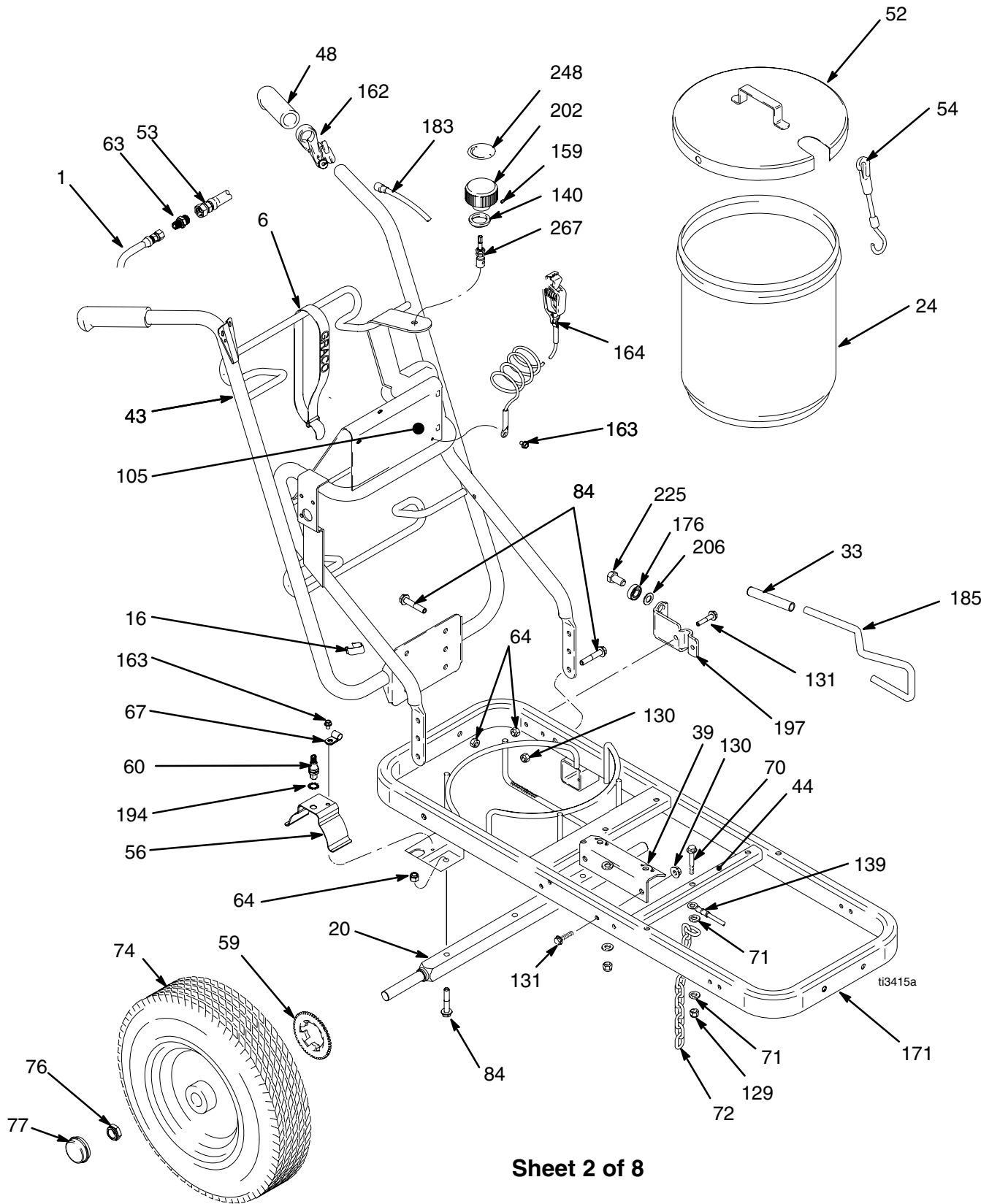
Parts Page 38



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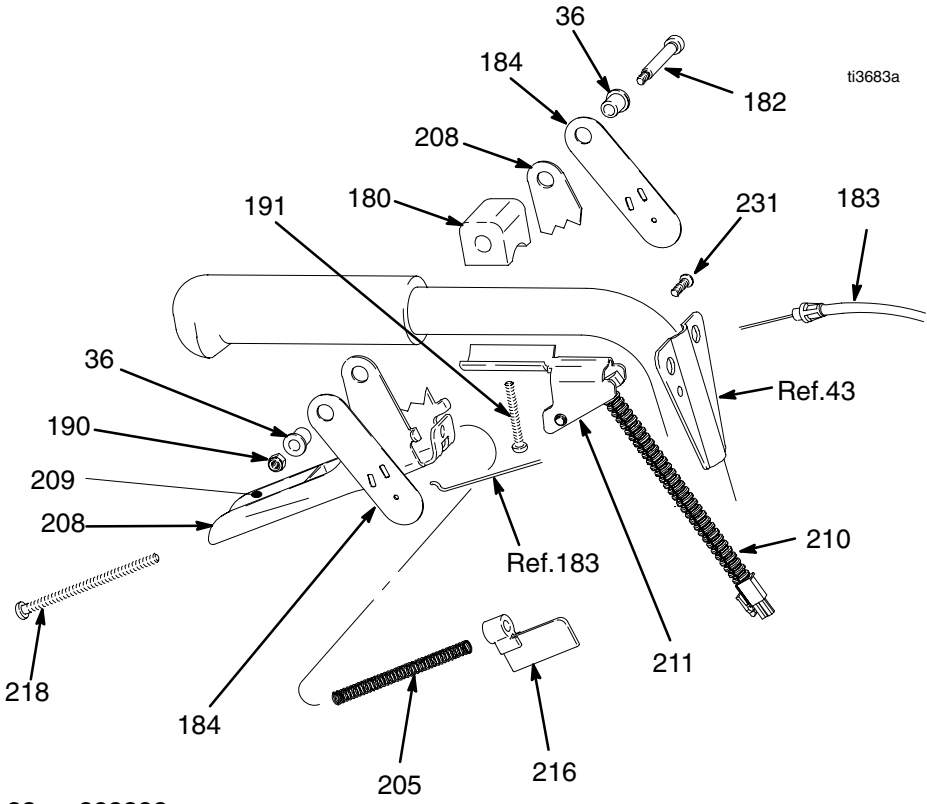
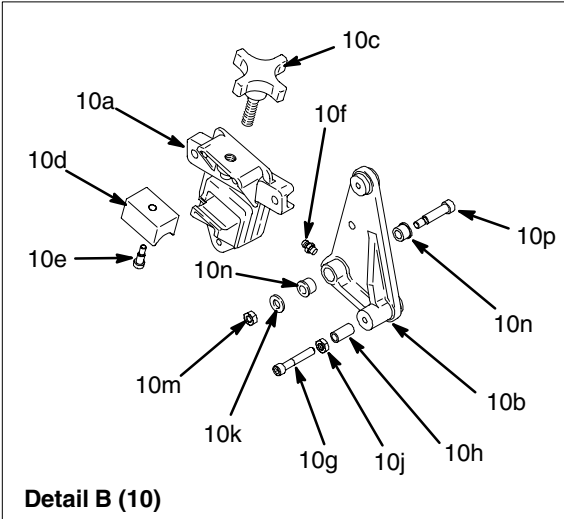
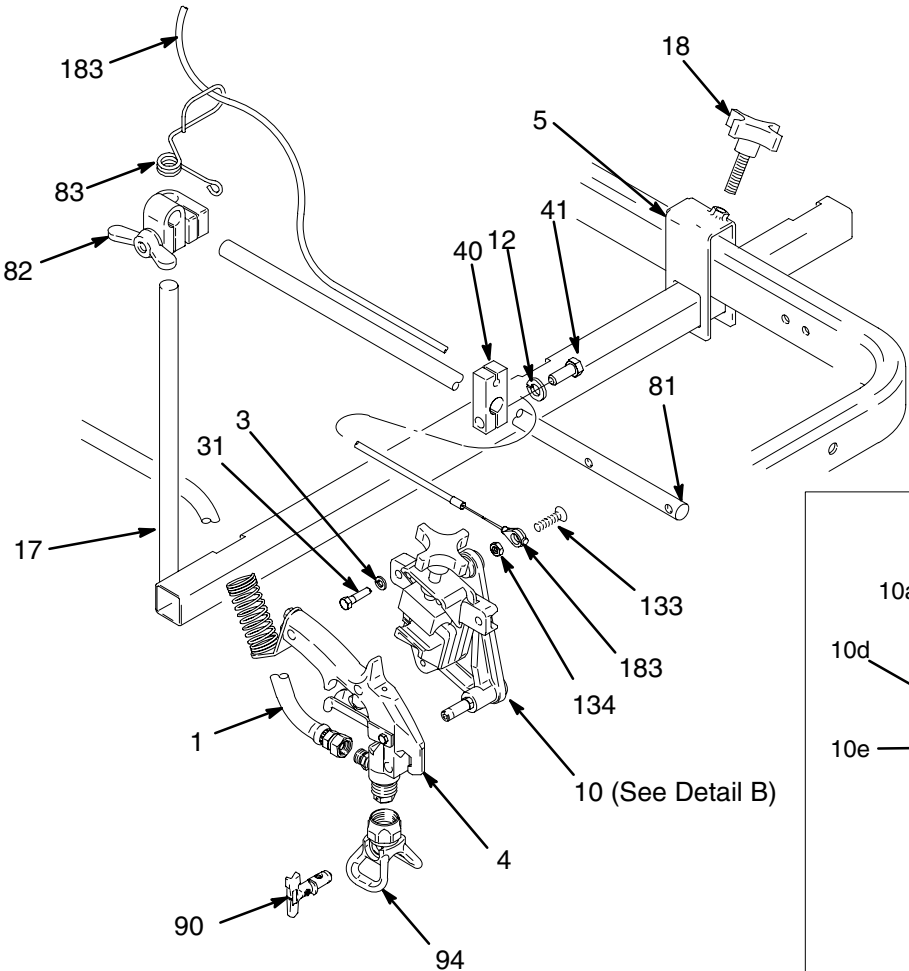
# Parts – LineLazer III 200Hs



# Parts – LineLazer III 200Hs

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	245798	HOSE, 1/4 x 7 ft	1	74	111020	WHEEL, pneumatic	2
6	114271	STRAP, retaining	1	76	112405	NUT, lock	3
16	178342	CLIP, spring	6	77	114648	CAP, dust	2
20	193405	AXLE	1	84	111194	SCREW, cap flange hd	6
24	115077	PAIL, plastic	1	105	15A621	LABEL, LineLazer III	1
33	114808	CAP, vinyl	1	129	110838	NUT, lock	7
39	15C360	BRACKET, mounting, res	1	130	111040	NUT, lock, insert, nylock, 5/16	5
43	246692	HANDLE, gh200 linelazer	1	131	111302	SCREW, cap, hex hd	4
44	186620	LABEL, symbol, ground	1	139	240997	CONDUCTOR, ground	1
48	114659	GRIP, handle	2	140	176754	GLAND, packing, male	1
52	241005	COVER, pail	1	159	100002	SCREW, set, sch	4
53	245225	HOSE, 3/8 in. X 50 ft	1	162	194310	LEVER, actuator	1
54	114690	STRAP	2	163	112798	SCREW, thread forming, hex hd	2
56	198612	BRACKET, sensor, distance	1	164	237686	CLAMP, grounding assy	1
59	245734	KIT, repair, wheel, LineLazer includes 74	2	171	245246	FRAME, linestriper	1
60	245597	SENSOR, distance includes 56, 67, 163, 194	1	176	198931	BEARING	1
63	196176	ADAPTER, nipple	1	183	116943	CABLE (245734)	1
64	101566	NUT, lock	8	185	198930	ROD, brake	1
67	108868	CLAMP, wire	2	194	116287	WASHER, sst, ext, starwasher	1
70	114653	SCREW, cap, flange hd	1	197	198891	BRACKET, mounting	1
71	100731	WASHER	4	202	118359	KNOB, pressure control	1
72	186812	CHAIN, ground 3.5 hp	1	206	195134	SPACER, ball guide	1
				225	113961	SCREW, cap, hex hd	1
				248	15A464	LABEL, control	1

# Parts – LineLazer III 200HS



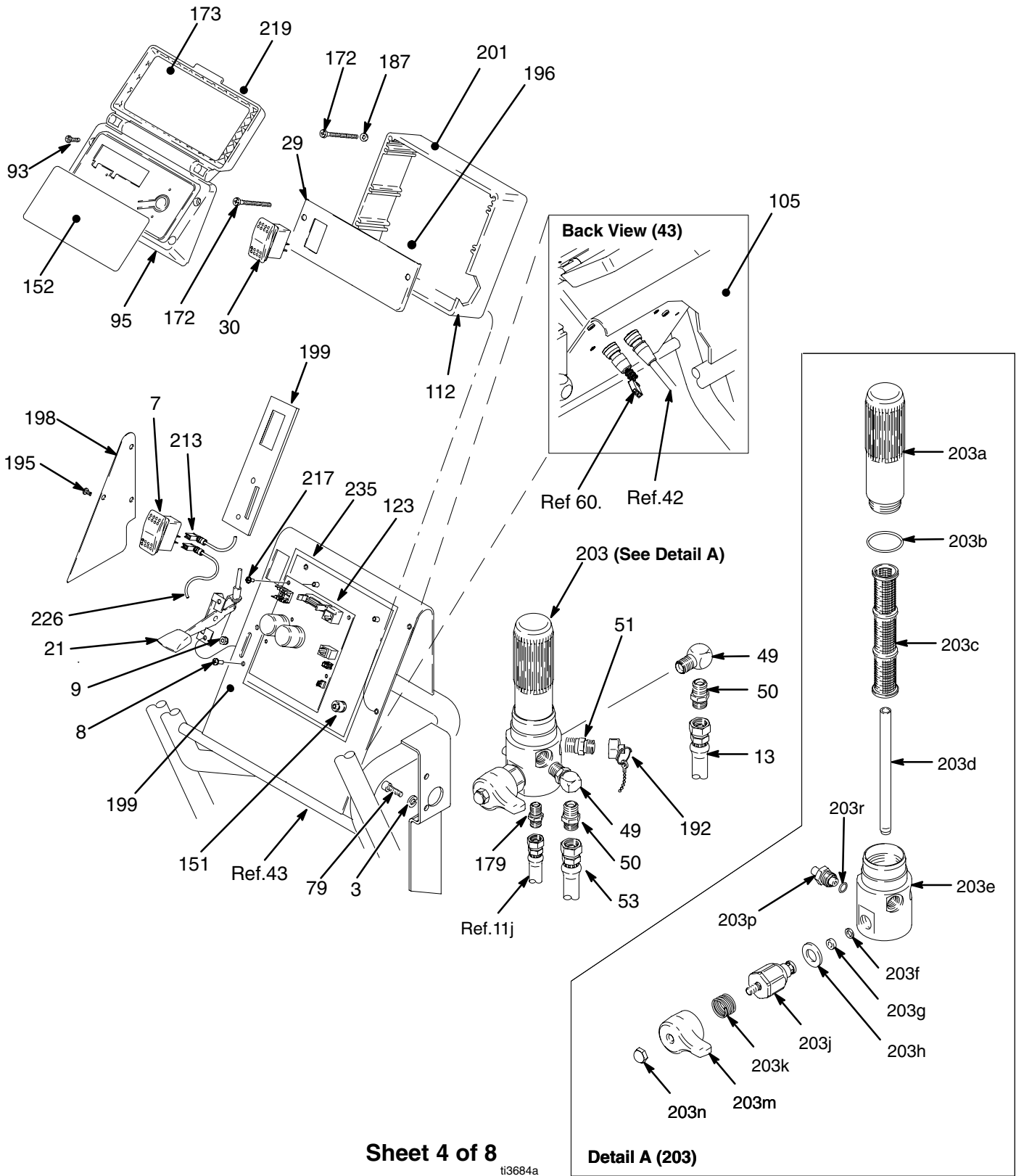
# Parts – LineLazer III 200Hs

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
3	100016	WASHER, lock	11	133	111230	SCREW, mach, flhd	1
4	246468	GUN, flex, basic	1	134	101345	NUT, hex, jam	1
5	287144	BRACKET, arm, gun, right	1	180	198896	BLOCK, mounting (mach)	1
	287143	BRACKET, arm, gun, left	1	182	116941	SCREW, shoulder, socket head	1
10	241001	HOLDER, gun	1	183	245732	CABLE	1
12	100133	WASHER, lock	1	184	198895	PLATE, lever, pivot	2
17	224052	BRACKET, support gun	1	190	116969	NUT, lock	1
18	108471	KNOB, pronged	2	191	116973	SCREW, #10 taptite phil	1
31	100021	SCREW, cap hex hd	2	205†	117269	SPRING	1
36	111017	BEARING, flange	2	208†	245676	HANDLE	1
40	186699	BLOCK, mounting, cable	1	209†	15A644	LABEL, trigger	1
41	100101	SCREW, cap, hex hd	1	210*	117274	SWITCH, reed w/, close diff	1
53	245225	HOSE, 3/8 in. X 50 ft	1	211*	276907	BRACKET, trigger	1
81	181734	ARM, support	1	216†	117268	BRACKET, interrupter	1
82	114029	CLAMP, swivel, adjustable	1	218†	112381	SCREW, mach, pan hd	1
83	188135	GUIDE, cable	1	231*	117317	SCREW, Plastite, pan hd	2
90	LL5319	TIP, spray, RAC 5, stripinG	1				
94	243161	GUARD, RAC 5	1				

\* Included in Trigger Repair Kit 245713

† Included in Trigger Handle Repair Kit 245733

# Parts – LineLazer III 200HS



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# Parts – LineLazer III 200Hs

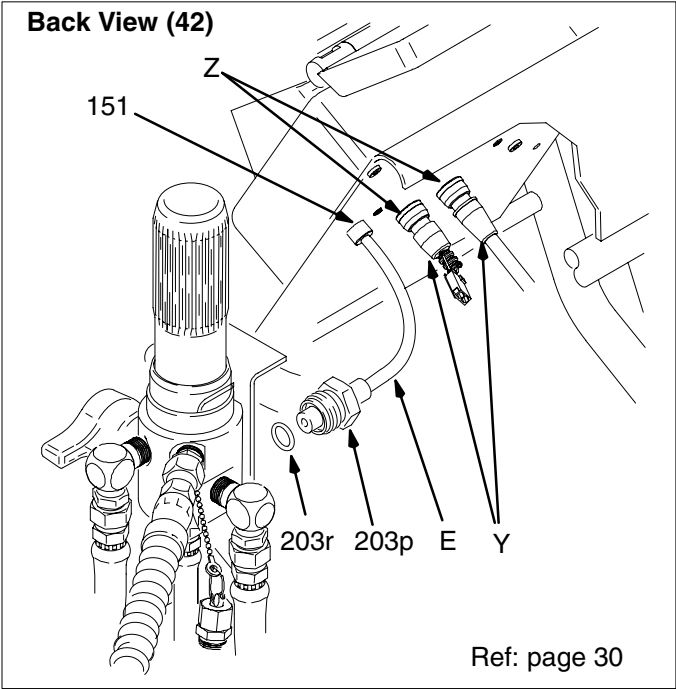
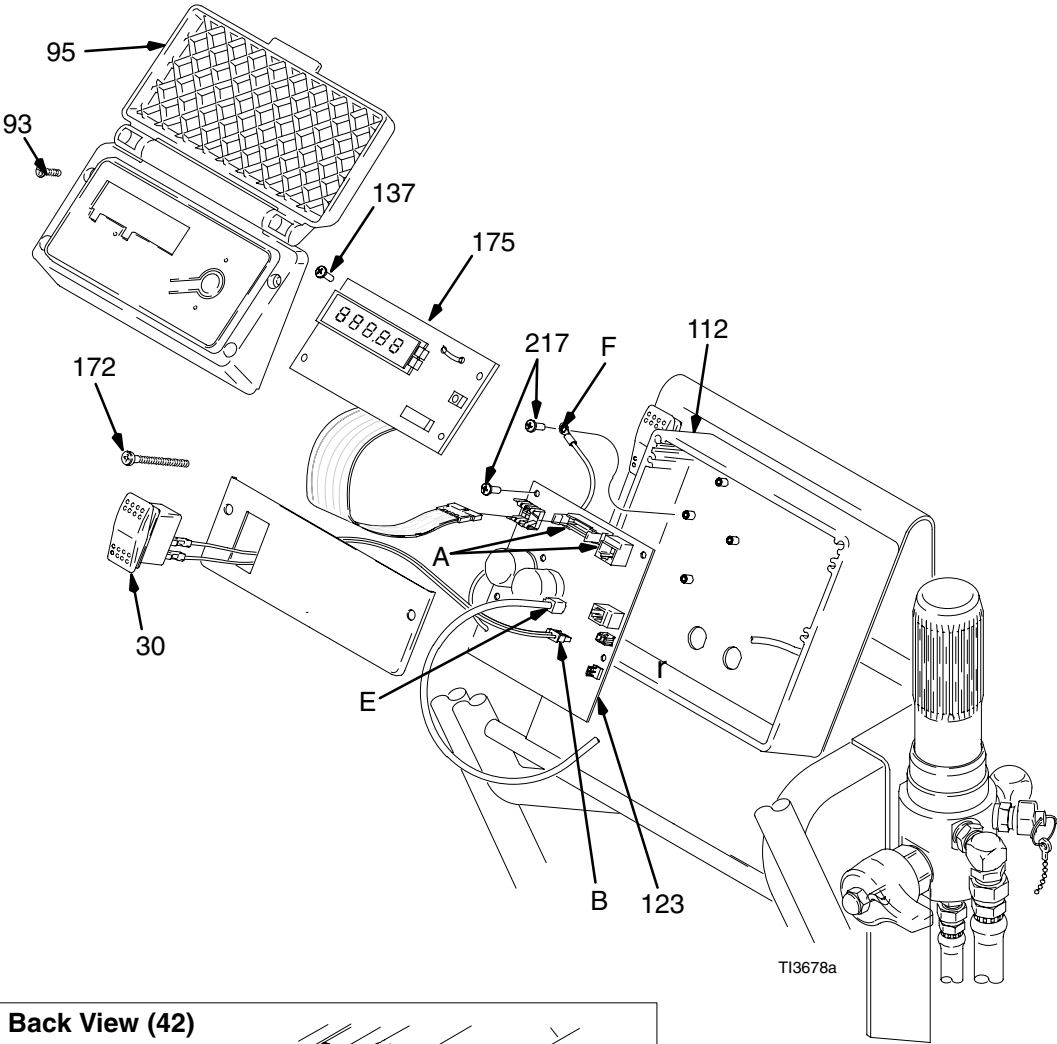
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
3	100016	WASHER, lock	11	199	15A245	LABEL, warning	1
7	114954	SWITCH, rocker	1	201▲	189246	LABEL, warning	2
8	112380	SCREW, mach, pan hd	2	203	287171	FILTER, assembly	1
9	109466	NUT, lock, hex	2	203a	196675	BOWL, FILTER	1
13	248007	HOSE, coupled (3/8)	1	203b	104361	O-RING	1
21	114955	CONTROL, throttle	1	203c	244067	FILTER, fluid	1
29	197993	PLATE, switch, control box	1	203d	196786	TUBE, diffuser	1
30	116752	SWITCH, rocker	1	203e	245796	HOUSING, filter, 3/8 npt	1
49	196179	FITTING, elbow, street	2	203f	193710	SEAL, valve	1
50	196178	ADAPTER, nipple	2	203g	193709	SEAT, valve	1
51	196177	ADAPTER, nipple	1	203h	114797	GASKET	1
79	101550	SCREW, cap, sch, 1/4–20 x 1/2	3	203j	245103*	VALVE	1
93†	116252	SCREW, #8 taptite phil	4	203k	114708	SPRING, compression	1
95†	244032	COVER, control, ultra	1	203m	194102	HANDLE, valve	1
105	15A621	LABEL, LineLazer III	1	203n	114688	NUT, cap, hex hd	1
112	280430	HOUSING, control, GH	1	203p	287172	TRANSDUCER	1
123	245512	BOARD, control, linelazer, sk	1			includes 203r	
151	114296	BUSHING	1	203r	111457	SEAL	1
152†	15C003	LABEL, display LCD	1	204	101885	SCREW, cap	3
172	114393	SCREW, mach, pan hd	4	213	198975	WIRE, ground	1
173†	198649	LABEL, LCD instructional	1	219†	15C556	LABEL, control box cover	1
179	196181	FITTING, nipple	1	226	15A670	CONDUCTOR, electrical	1
187	116876	WASHER, flat	2	235	198671	GASKET, control	1
192	245441	PLUG, packless	1				
195	100035	SCREW, mach, pnh	3				
196	198999	LABEL, instruction	1				
198	198942	PLATE, side	1				

\* Drain valve kit 245103 includes 203f, g, h, k, m, n

† Display kit 287173 includes 93, 95, 152, 173, 219

▲ Replacement warning labels may be ordered free of charge

# Parts – LineLazer III 200Hs



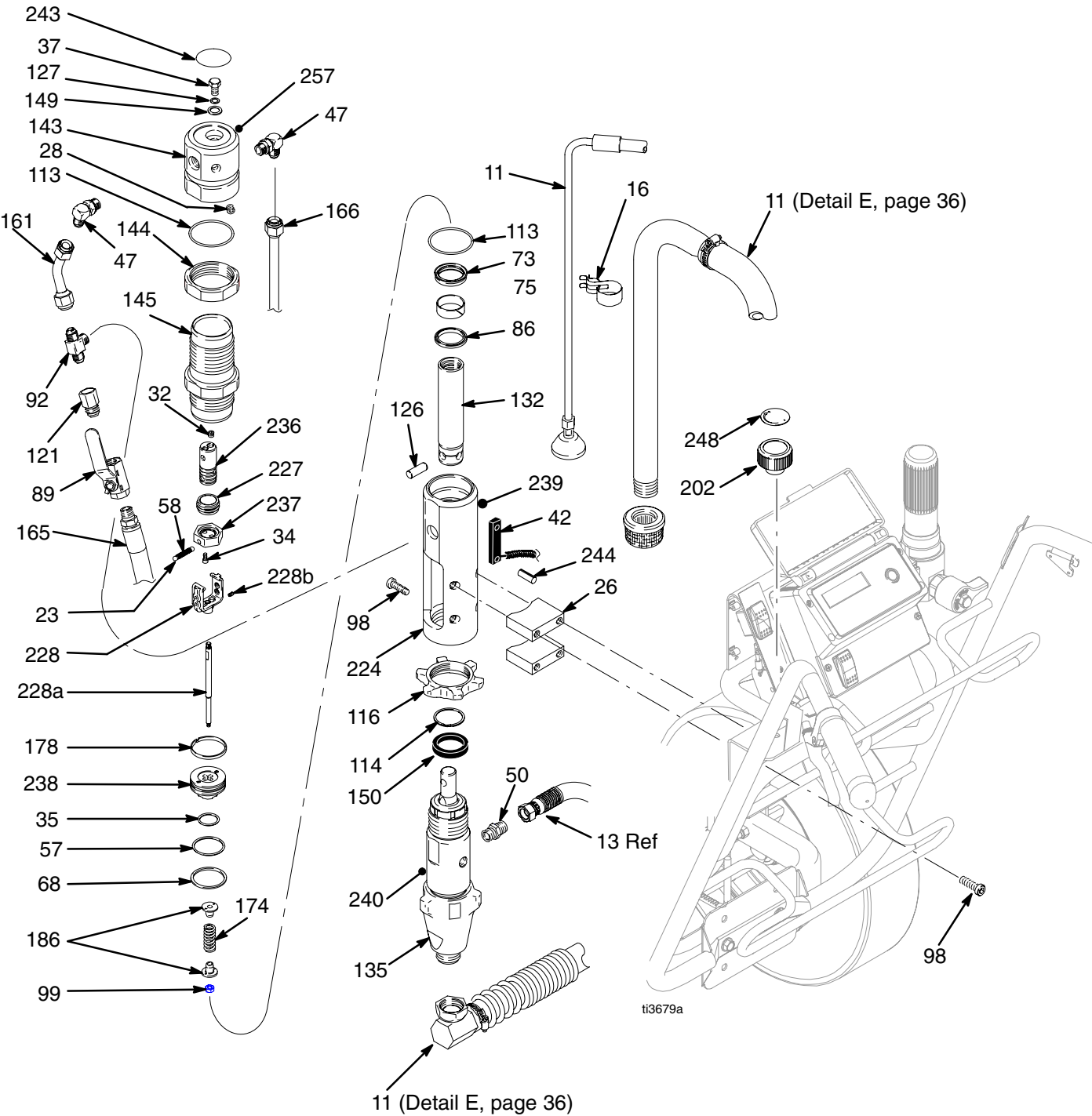
Sheet 5 of 8



# Parts – LineLazer III 200Hs

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
30	116752	SWITCH, rocker	1	137	115522	SCREW, mach, pnh	3
93	116252	SCREW, #8 taptite phil	4	172	114393	SCREW, mach, pnh	4
95	244032	COVER, control, ultra	1	175	245791	BOARD, display GMax	1
112	280430	HOUSING, control, GH	1	217	114331	SCREW, mach, pnh, sems	6
123	245512	BOARD, LineLazer, sk	1	▲ Replacement warning labels may be ordered free of charge			

# Parts – LineLazer III 200Hs



# Parts – LineLazer III 200Hs

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
11	287206	HOSE, suction/drain	1	145*	246176	SLEEVE, hydraulic cylinder includes 113	1
16	178342	CLIP, spring	6				
23†#	100069	BALL	2	149‡	178179	WASHER, sealing	1
26	15C362	BRACKET, pump	2	150	118141	MAGNET, ring	1
28‡	100139	PLUG, pipe	1	161	198629	TUBE, hydraulic, supply	1
32‡	103147	PLUG, pipe	1	165	287175	HOSE, hydraulic, supply	1
34†#	104092	SCREW, cap, sch	2	166	287176	HOSE, hydraulic, return	1
35*#	105765	O-RING	1	174#	117645	SPRING, compression	1
37‡	106276	SCREW, cap, hex hd	1	178*	178207	BEARING, piston	1
42	287174	SWITCH, reed, w/close diff.	1	186#	15B463	RETAINER, spring	2
47	117607	FITTING, elbow std thd	2	202	118359	KNOB, pressure control	1
57*	108014	O-RING	1	224	15A728	MANIFOLD, adapter	1
58†#	117494	SPRING, compression	1	227	189072	SLEEVE, valve	1
68*	178226	SEAL, piston	1	228†#	246610	YOKE, assembly (includes 228a, 228b)	1
69	112166	SCREW, cap, sch	10				
73*	117739	WIPER, rod	1	228a		ROD, trip (not included in Kit 246175)	1
75*	112342	BEARING, rod	1	228b†		SCREW, set, with patch	1
86*	112561	PACKING, block	1	236‡	15B454	SPOOL, hydraulic motor	1
89	117441	VALVE, ball	1	237†#	192654	STOP, valve (spring retainer)	1
92	117609	FITTING, tee, branch, str thd	1	238#	192656	PISTON,	1
98	15B564	SCREW, cap, socket low head	6	239	192840	LABEL, WARNING	1
99#	114231	NUT, lock, hex	1	240	194072	LABEL, Endurance pump	1
113‡*	117283	O-RING	2	243	15B063	LABEL,	1
114	116551	RING, retaining	1	244	116838	PIN, spring	2
116	193394	NUT, retaining	1	248	15A464	LABEL, control	1
121	117328	FITTING, nipple, straight	1	257	15B804	LABEL, Graco Logo	2
126	197443	PIN, pump	1	271	116838	PIN, spring	2
127‡	155685	O-RING	1				
132#	15A693	ROD, hydraulic motor	1				
135	246257	PUMP, displacement	1				
143‡	15A725	CAP, hydraulic motor	1				
144	15A726	NUT, jam	1				

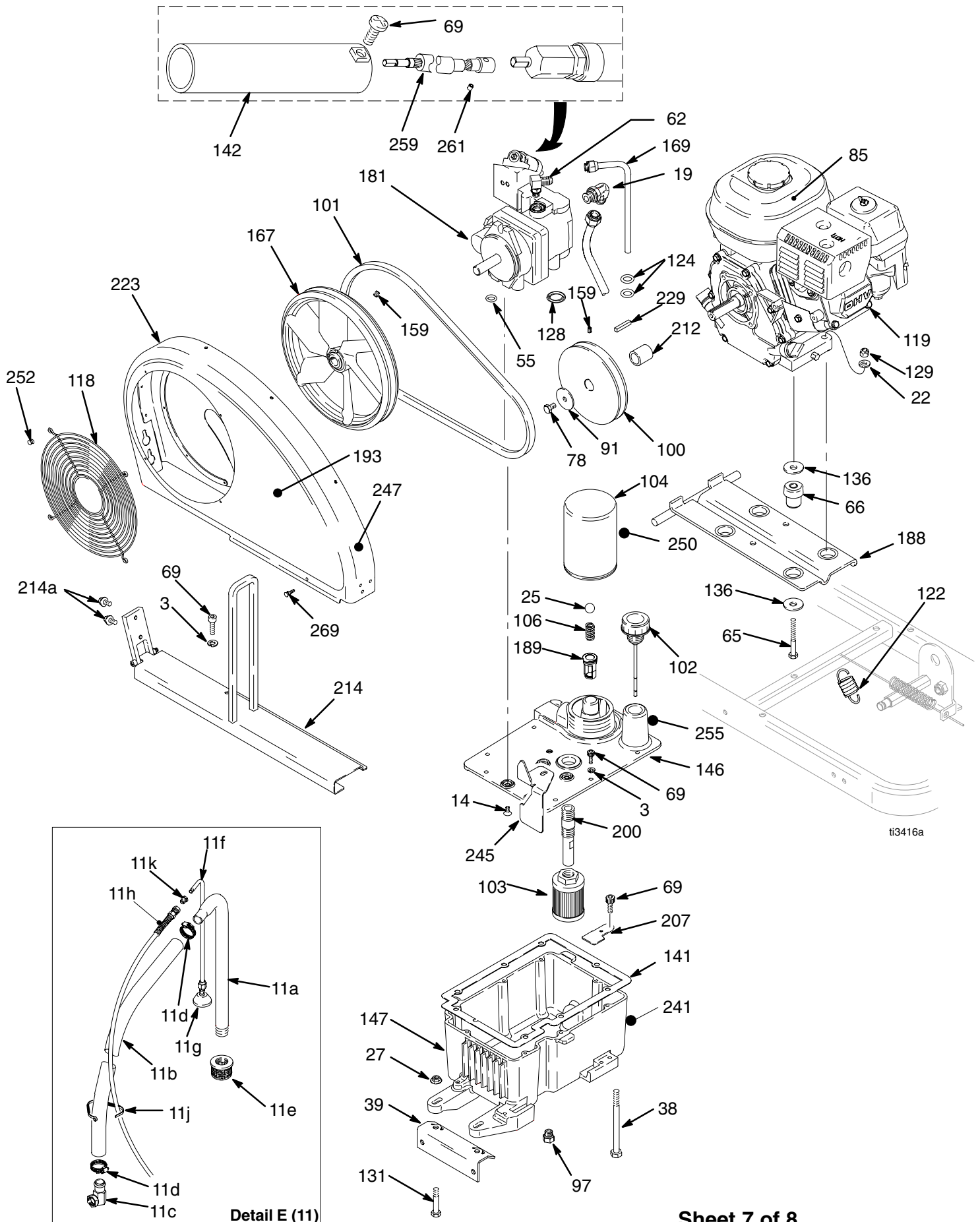
† Included in Yoke Kit 246175

‡ Included in Yoke Kit 246180

\* Included in Hydraulic Seal Repair Kit 246174

\* Included in Trip Rod/Piston Repair Kit 246255

# Parts – LineLazer III 200Hs



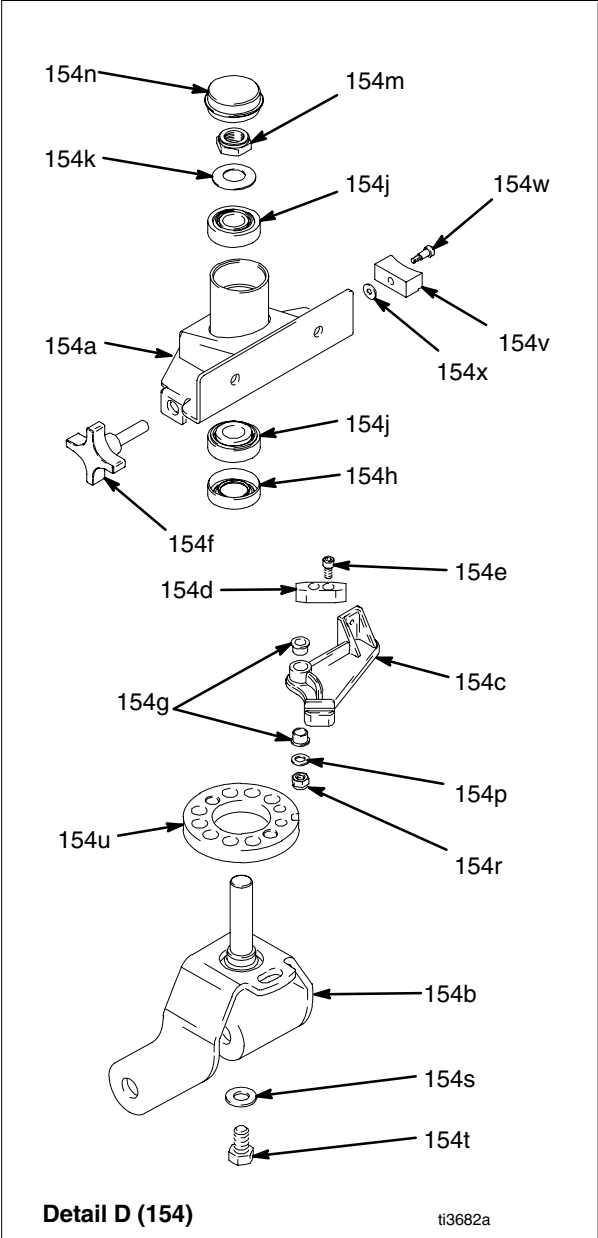
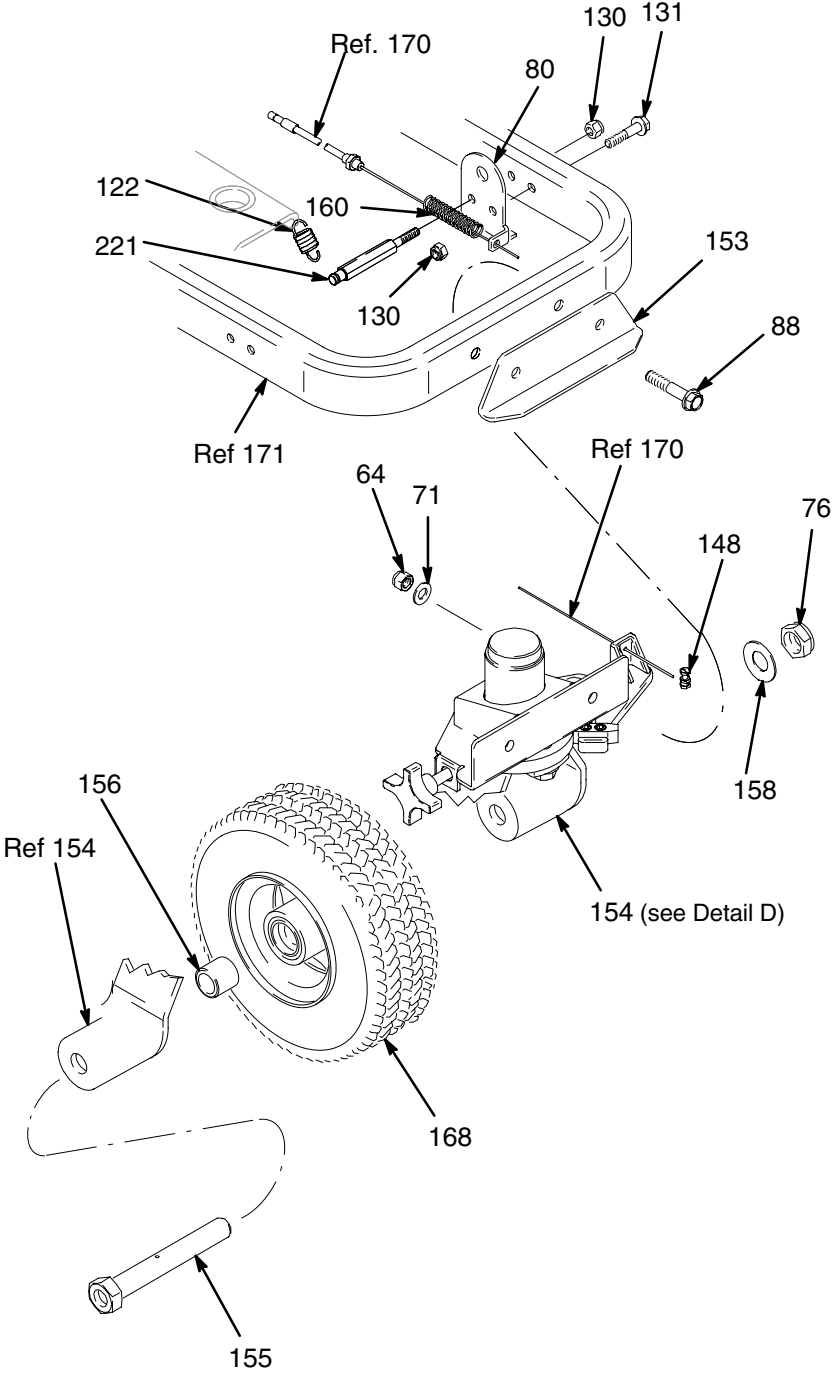
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# Parts – LineLazer III 200Hs

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
3	100016	WASHER, lock	11	122	118279	SPRING, extension	1
11	287206	HOSE, suction/drain	1	124	154594	O-RING	2
11a	170957	TUBE, suction	1	128	156401	O-RING	1
11b	194306	HOSE, fluid	1	129†		NUT	4
11c	198119	ELBOW, barbed	1	136†	108851	WASHER, plain	8
11d	101818	CLAMP, hose	1	141	246172	GASKET, reservoir	1
11e	181072	STRAINER, inlet	1	142	15C958	GUARD, pressure control	1
11f	198601	TUBE, drain	1	146	15C676	COVER, reservoir, GH200 LL	1
11g	241920	DEFLECTOR, threaded	1	147	15C682	TANK, reservoir	1
11h	248008	HOSE, coupled 1/4 in. x 4 ft	1	159	100002	SCREW, set, sch	4
11j	114958	STRAP, tie	2	164	237686	CLAMP, grounding assy	1
11k	196180	BUSHING	1	167	198636	PULLEY, fan	1
11m	195119	LABEL, warning (not shown)	1	169	246167	TUBE, hydraulic, case drain	1
14	117471	SCREW, 1/4–20 flat head mach	4	181	287179	PUMP, hydraulic	1
19	116793	FITTING, elbow, hydraulic	1	188†	15C550	BRACKET, mount, enginE	1
22†	100023	WASHER, flat	8	189	198841	RETAINER, ball, press bypass	1
25	100084	BALL, metallic	1	193	15C555	LABEL, GH200 LineLazer III	1
27	110996	NUT, hex, flanged	2	200	198844	TUBE, suction	1
38	118280	SCREW, hex washer hd	2	207	198865	BRACKET, retainer, motor	1
55	107188	O-RING	4	212†	15B314	SLEEVE, motor shaft	1
61	117608	FITTING, nipple, straight	1	214	245899	RAIL, belt guard	1
62	110792	ELBOW, male, 90 degree	1	214a	110997	SCREW, flange, hex hd	2
65†	113664	SCREW, flange, hex	4	223	287177	GUARD, belt (paint)	1
66†	195515	DAMPENER, motor mount	4			includes 118, 193, 252	
69	112166	SCREW, cap, sch	11	229†	117632	KEY, square, 3/16 X 1.25	1
78	108842	SCREW, cap, hex head	1	241	194317	LABEL, DANGER, English	1
91†	112717	WASHER,	1	245	15B248	BRACKET, guard	1
97	116754	PLUG, hex head, hydraulic	1	248	15A464	LABEL, control	1
100†	116908	PULLEY, 5.50 in.	1	250	189892	LABEL, identification	1
101	118336	BELT, vee, gripnotch	1	252	117531	RIVET, POP, 3/16 dia	4
102	116915	CAP, breather filler	1	255	198585	LABEL, hydraulic fluid, GH	1
103	116919	FILTER, hydraulic, suction	1	259	248027	KIT, repair, pressure control	1
104	116920	FILTER, oil	1	261		SCREW, set	1
106	116967	SPRING, compression	1	268†		SCREW	1
118	117284	GRILL, fan guard	1	269	115723	SCREW, drill, hex, washer head	1
119†	114530	ENGINE, gas, 5.5 hp, Honda	1				
120	15B438	KNOB, pressure	1				

† Included in Engine Kit 287178

# Parts – LineLazer III 200Hs



# Parts – LineLazer III 200Hs

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
64	101566	NUT, lock	8	154j	113485	BEARING, cup/cone	2
71	100731	WASHER	4	154k	112825	SPRING, Belleville	1
76	112405	NUT, lock	3	154m	112405	NUT, lock	1
80	193665	BRACKET, cable	1	154n	114648	CAP, dust	1
88	114982	SCREW, cap, flng hd	4	154p	107194	WASHER, plain	1
122	118279	SPRING, extension	1	154r	108000	NUT, lock	1
130	111040	NUT, lock, insert, nylock, 5/16	5	154s	113962	WASHER, hardened	1
131	110837	SCREW, cap, hex hd	4	154t	114681	SCREW, cap, hex hd	1
148	114802	STOP, wire	1	154u	198606	DISK, adjuster	1
153	240991	BRACKET, caster, front	1	154v	193661	JAW	1
154	241105	CASTER, swivel	1	154w	108483	SCREW, shoulder, soc hd	1
154a	240940	KIT, repair, bracket, hub includes 154j (2), 154h	1	154x	112776	WASHER, plain	1
154b	240942	SHAFT, fork	1	155	113471	SCREW, cap, hex hd	1
154c	193528	ARM, detent	1	156	193658	SPACER, seal	2
154d	193662	PIN, locking, tapered	1	158	112825	SPRING, belleville	1
154e	110754	SCREW, cap, soc hd	1	160	114682	SPRING, compression	1
154f	181818	KNOB, pronged	1	168	114549	WHEEL, pneumatic	1
154g	114548	BEARING, bronze	1	170	114632	CABLE	1
154h	113484	SEAL, grease	1	221	15C701	SHAFT, spring	1

# Pressure Control Wiring Diagram

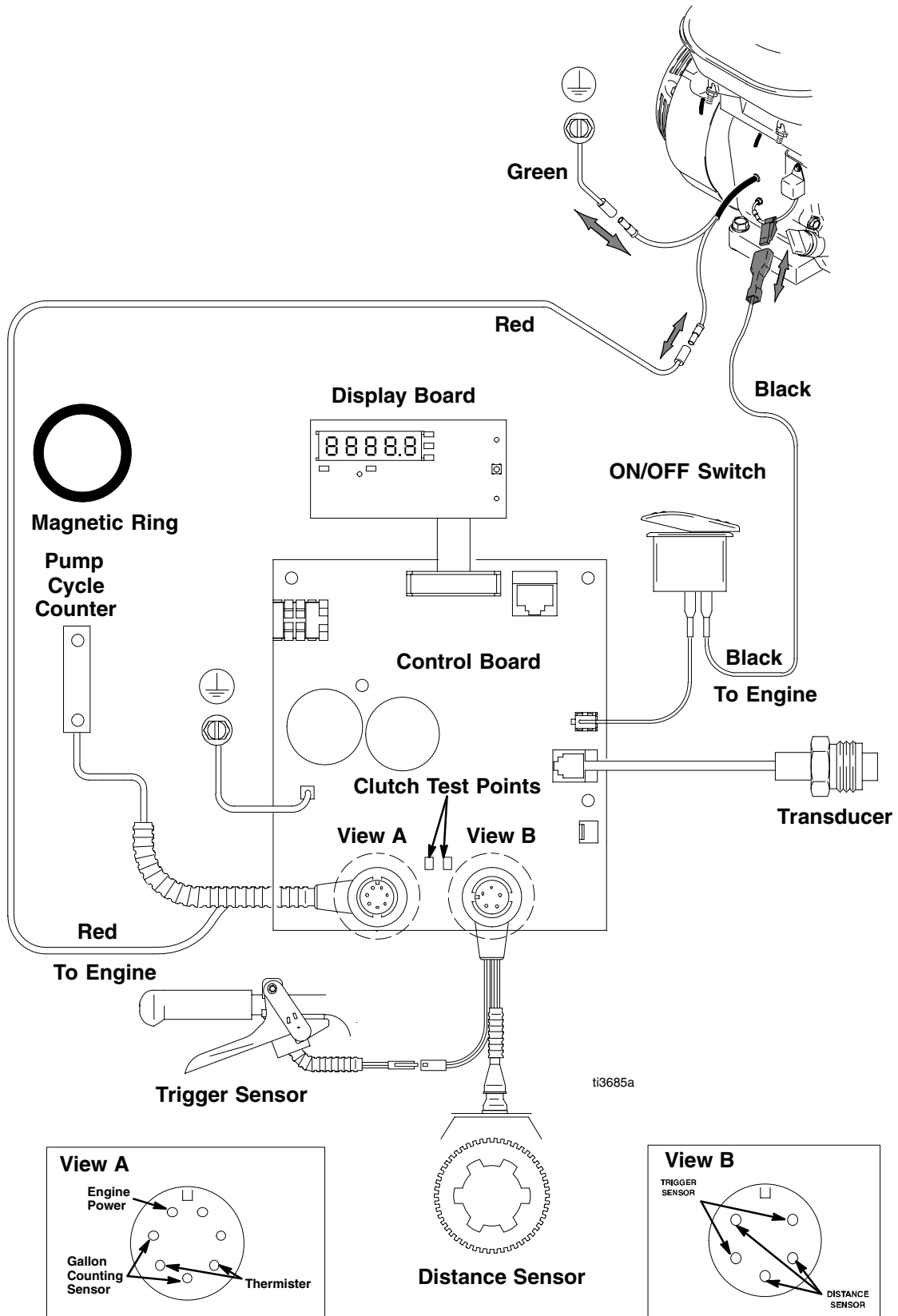


Fig. 17



# \*Technical Data

Honda GX160 Engine  
 Power Rating @ 3600 rpm  
 ANSI ..... 5.5 Horsepower  
 DIN 6270B/DIN 6271  
 NA ..... 2.9 Kw – 4.0 Ps  
 NB ..... 3.6 Kw – 4.9 Ps  
 Maximum working pressure ..... 3300 psi  
 (227 bar, 22.7 MPa)  
 Noise Level  
 Sound power ..... 105 dBa  
 per ISO 3744  
 Sound pressure ..... 96 dBa  
 measured at 3.1 feet (1 m)  
 Cycles/gallon (liter) ..... 104 (27.5)

Maximum delivery ..... 2.0 gpm (7.6 lpm)  
 Maximum tip size  
 1 gun ..... with 0.046 in. tip  
 2 guns ..... with 0.033 in. tip  
 Inlet paint strainer ..... 16 mesh (1190 micron)  
 stainless steel screen, reusable  
 Outlet paint filter ..... 60 mesh (250 micron)  
 stainless steel screen, reusable  
 Pump inlet size ..... 1 in. npsm(m)  
 Fluid outlet size ..... 3/8 npt(f)  
 Hydraulic reservoir capacity ..... 1.0 gallon (3.8 liters)  
 Hydraulic pressure ..... 1800 psi (124 bar)  
 Weight (dry, without packaging) ..... 242 lb (110 kg)  
 Height ..... 40 in. (101.6 cm)  
 Length ..... 65 in. (165.1 cm)  
 Width ..... 32 in. (81.3 cm)  
 Wetted parts ..... zinc-plated carbon steel,  
 PTFE, Nylon, polyurethane, V-Max™ UHMWPE  
 polyethylene, Viton®, Delrin®, leather, aluminum,  
 tungsten carbide, stainless steel, chrome plating,  
 nickel-plated carbon steel, ceramic,

**NOTE:** Delrin®, Viton® are trademarks of the Com-pany.

## Accessories

Must be purchased separately.

### GRACO-APPROVED HYDRAULIC OIL

169236      5 Gallons (19 liters)  
 207428      1 Gallon (3.8 liters)

# Graco Warranty

Graco warrants all equipment 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.

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**

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## **ADDITIONAL WARRANTY COVERAGE**

Graco does provide extended warranty and wear warranty for products described in the "Graco Contractor Equipment Warranty Program".

**TO PLACE AN ORDER**, contact your Graco distributor, or call this number to identify the distributor closest to you:  
**1-800-690-2894 Toll Free**

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