

# Instructions



## Inlet/Outlet Valve Repair Kit for Project Painter™ 5, Project Painter™ 7, X5, X7, LTS 15, LTS 17, Project Painter™ Plus, M3+, M5+, L10+, Pro Plus™ A20, Pro Plus™ A30, and Pro Plus™ A45 Airless Sprayers

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EN

*This manual contains kit installation instructions only*

**Outlet Valve Repair Kit: 289120, 289878, 16E845**

**Inlet Valve Repair Kit: 288701, 289116, 16E844**



### Important Safety Instructions

For detailed sprayer information and warnings, see Operation manual.

### Pressure Relief Procedure

To help prevent injection injuries, follow this procedure when you stop spraying and before you service or clean the sprayer, remove parts, or repair leaks.					

#### Project Painter 5 and Project Painter 7:

1. Turn AllControl to OFF. Unplug sprayer.
2. Trigger gun.
3. Put trigger safety in ON position.

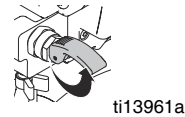
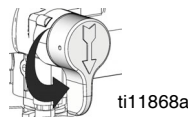
**NOTE:** Leave AllControl in OFF position until you are ready to spray again.



#### X5, X7, LTS 15, LTS 17, Project Painter Plus, M3+, M5+, L10+, Pro Plus A20, Pro Plus A30, and Pro Plus A45:

1. Turn power switch to OFF and unplug prayer.
2. Turn Spray/Prime valve to PRIME to relieve pressure.
3. Trigger gun.
4. Place trigger safety in ON position.

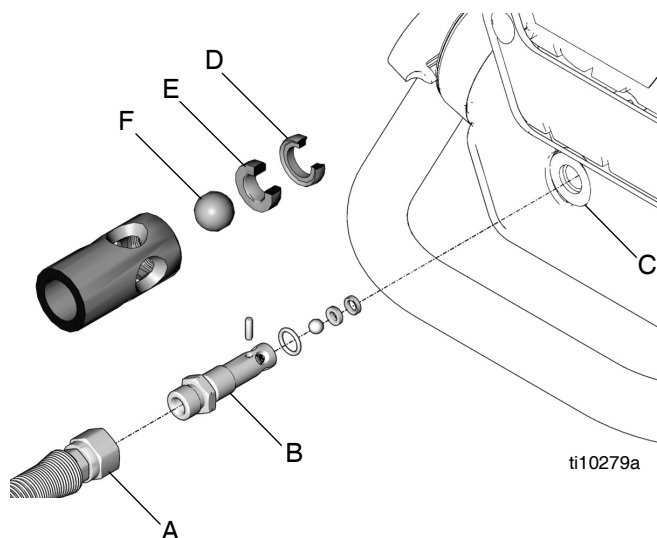
**NOTE:** Leave Spray/Prime valve in PRIME position until you are ready to spray again.



*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 the tip guard retaining nut or hose end coupling to relieve pressure gradually. Then*

# Outlet Valve Replacement Kit 289120

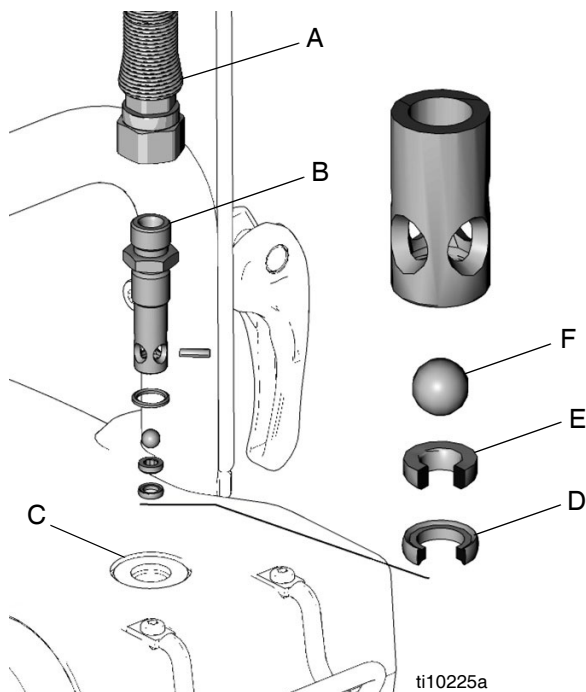
## Project Painter 5



### Disassembly

1. Unplug power cord.
2. **Relieve Pressure** by following the procedure described on page 1, or see the Operation manual.
3. Remove paint hose (A).
4. Clean all dried residue from around pump outlet valve.
5. Remove outlet valve fitting (B) from pump (C) and discard.
6. Clean all dried residue from around outlet seat area in pump (C).

## Project Painter 7

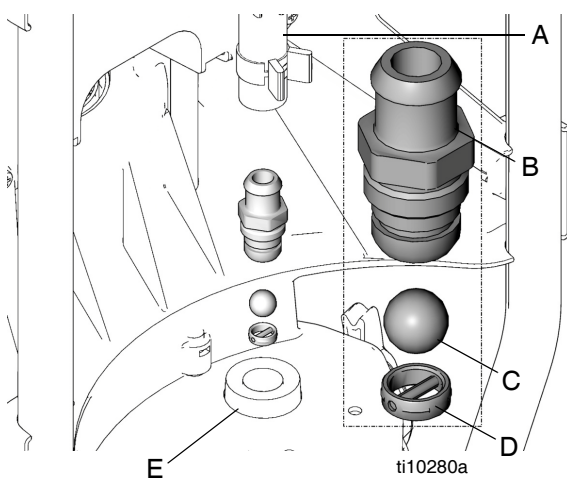


### Assembly

1. Verify gasket (D) is still pressed into valve (B) with chamfered side of seat (E) away from ball (F).
2. Thread new pump outlet valve (B) into pump (C) and torque to 320 to 380 in-lb (36 to 43 N•m).
3. Replace paint hose (A).

# Inlet Valve Replacement Kit

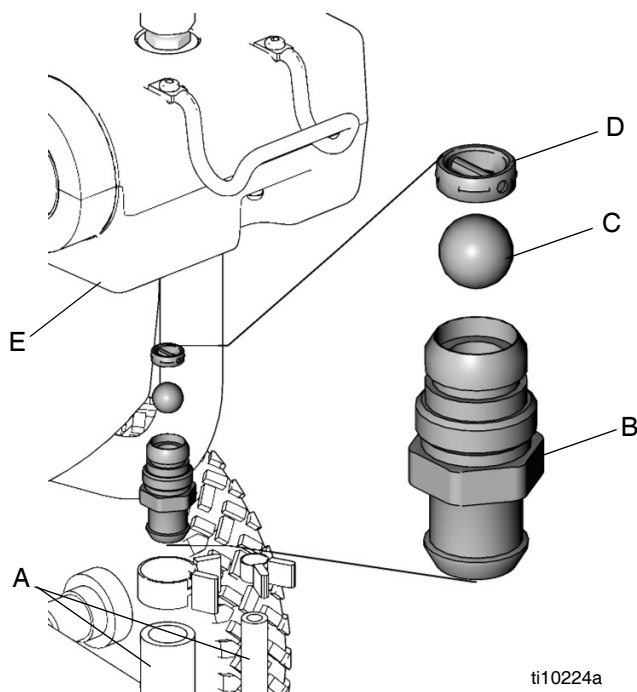
## Project Painter 5 Kit 289116



### Disassembly

1. Unplug power cord.
2. **Relieve Pressure** by following the procedure described on page 1, or see the Operation manual.
3. Remove all hoses (A).
4. Clean all dried residue from around pump inlet valve.
5. Remove inlet valve fitting (B), ball (C), and ball stop (D) from pump (E) and discard.
6. Clean all dried residue from around pump (E) inlet area.

## Project Painter 7 Kit 288701

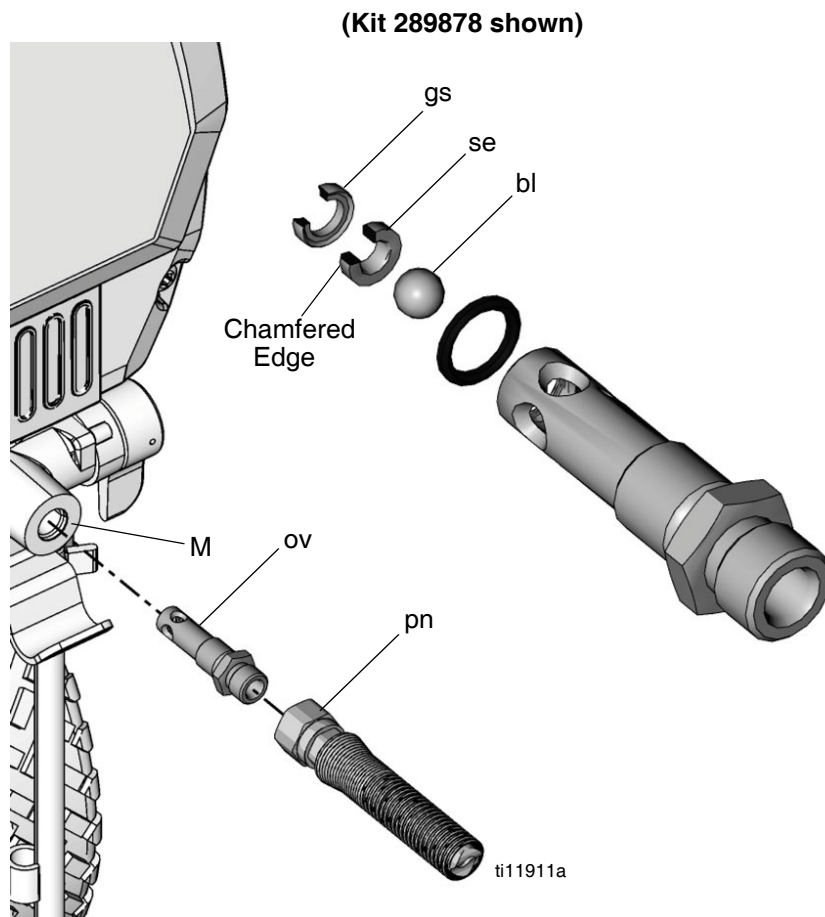


### Assembly

1. Assemble new ball stop (D) into pump (E).
2. Assemble new ball (C) into pump (E).
3. Thread new inlet valve fitting (B) into pump (E) and torque to 320 to 380 in-lb (36 to 43 N•m).
4. Reconnect all hoses (A).

## Outlet Valve Replacement Kit 289878, 16E845

X5, X7, LTS 15, and LTS 17, Project Painter Plus, M3+, M5+, L10+, Pro Plus A20, Pro Plus A30, and Pro Plus A45



### Disassembly

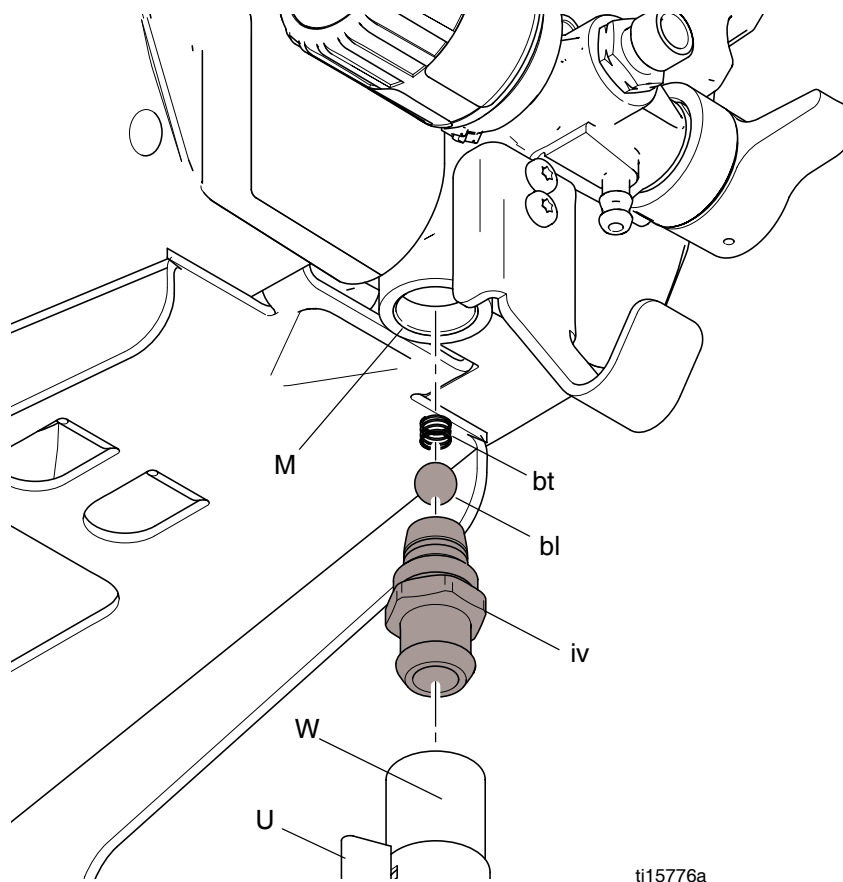
1. Unplug power cord.
2. **Relieve Pressure** by following the procedure described on page 1, or see the Operation manual.
3. Remove paint hose (pn).
4. Clean all dried residue from around pump outlet valve.
5. Remove outlet valve fitting (ov) from pump (M) and discard.
6. Clean all dried residue from around outlet seat area in pump (M).

### Assembly

1. Verify gasket (gs) is still pressed into valve (ov) with chamfered edge of seat (se) away from ball (bl).
2. Thread new pump outlet valve into pump (M) and torque to 320 to 380 in-lb (36 to 43 N•m).
3. Replace paint hose (pn).

# Inlet Valve Replacement Kit 288701, 16E844

X5, X7, LTS 15, and LTS 17, Project Painter Plus, M3+, M5+, L10+, Pro Plus A20, Pro Plus A30, and Pro Plus A45



## Disassembly

1. Unplug power cord.
2. **Relieve Pressure** by following the procedure described on page 1, or see the Operation manual.
3. Remove drain tube (U) and suction tube (W).
4. Clean all dried residue from around pump inlet valve.
5. Remove inlet valve fitting (iv), ball (bl), and ball stop or return spring (bt) from pump (M) and discard.
6. Clean all dried residue from around pump (M) inlet area.

## Assembly

1. Assemble new ball stop or return spring (bt) into pump (M).
2. Assemble new ball (bl) into pump (M).
3. Thread new inlet valve fitting (iv) into pump (M) and torque to 200 to 240 in-lb (23 to 27 N•m).
4. Reconnect drain tube (U) and suction tube (W).

*All written and visual data contained in this document reflects the latest product information available at the time of publication.  
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*For patent information, see [www.graco.com/patents](http://www.graco.com/patents)*

Original instructions. This manual contains English. MM 312340

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