

# Drive Housing/Motor Kit Replacement

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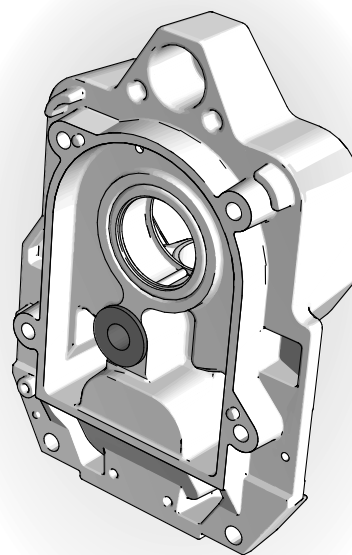
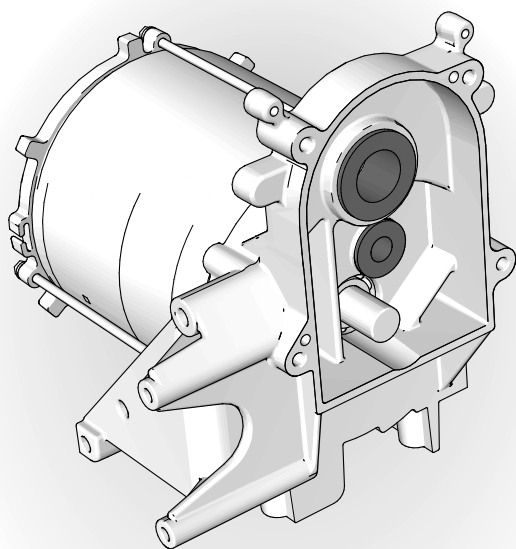
Models 390, 395, 450, 470, 490, 495, 595, and 650



## Important Safety Instructions

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

When replacing your drive housing or motor kit, follow one of the four options below for your sprayer.



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# Pressure Relief Procedure

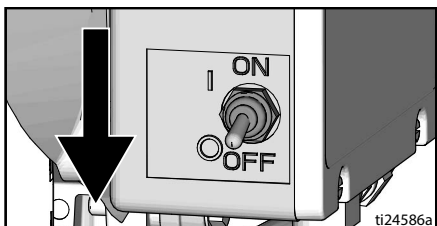


Follow the Pressure Relief Procedure whenever you see this symbol.

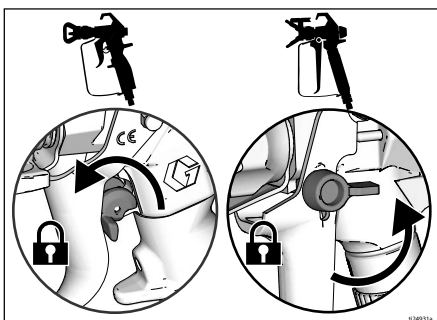


This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashed fluid and moving parts, follow the **Pressure Relief Procedure** whenever sprayer is stopped and before sprayer is cleaned or checked, and before equipment is serviced.

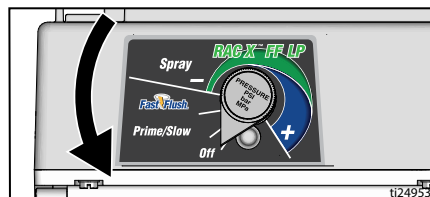
1. Turn ON/OFF switch to the **OFF** position. Wait 7-10 seconds for power to dissipate.



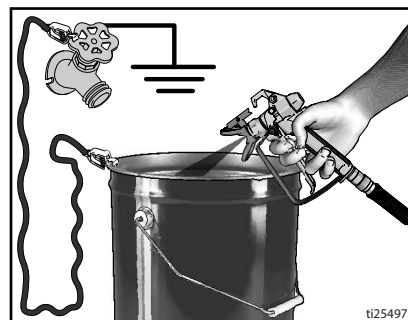
2. Engage the trigger lock.



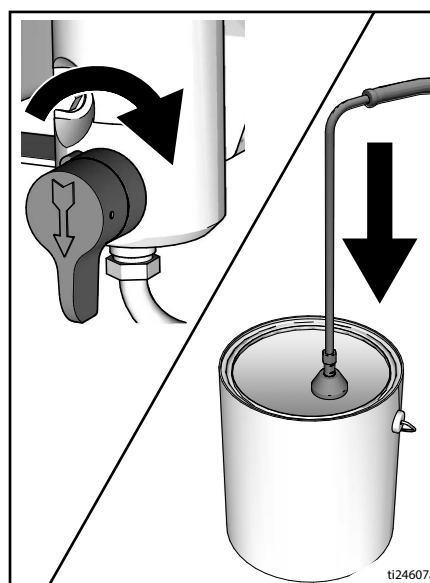
3. Turn pressure control to the lowest setting. Disengage the trigger lock.



4. Hold a metal part of the gun firmly to a grounded metal pail. Trigger the gun to relieve pressure.



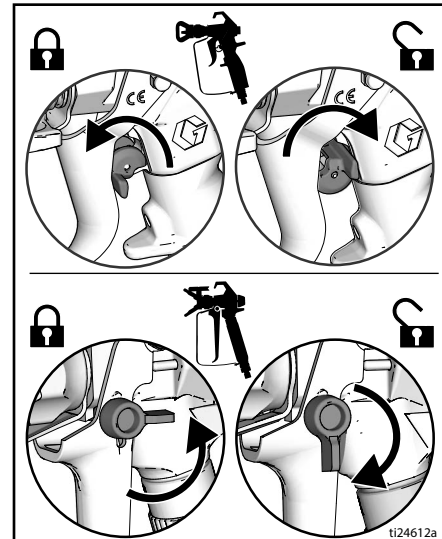
5. Engage the trigger lock.
6. Turn the prime valve down. Put drain tube in a pail. Leave prime valve in the down (drain) position until you are ready to spray again.



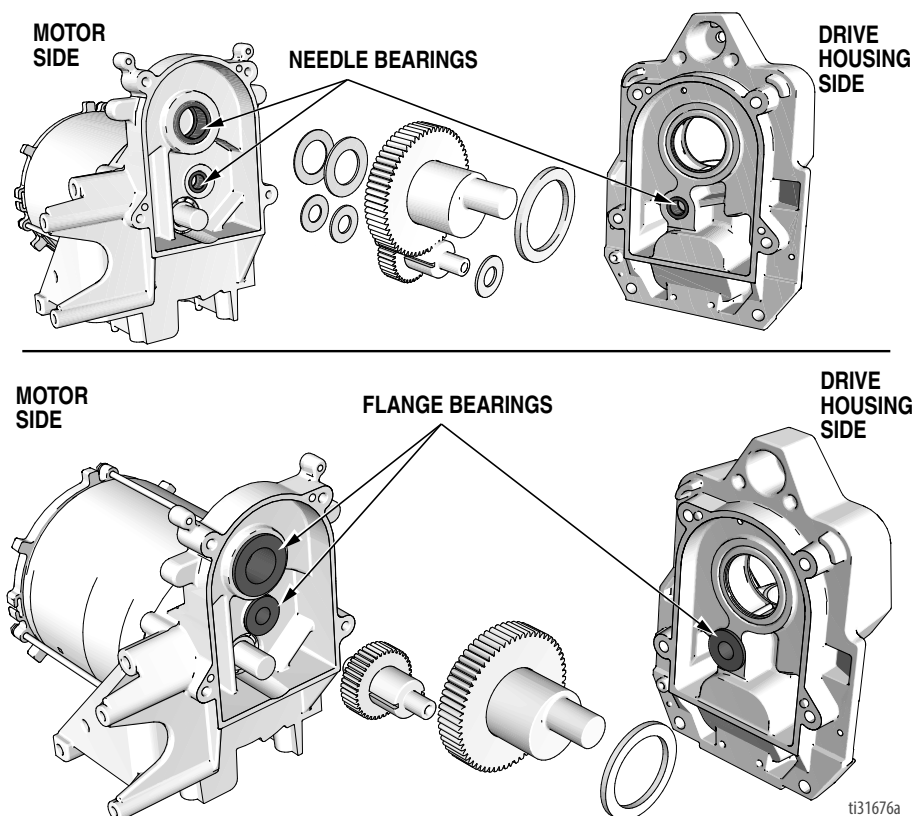
7. If you suspect the spray tip or hose is clogged or that pressure has not been fully relieved:
  - a. **VERY SLOWLY** loosen the tip guard retaining nut or the hose end coupling to relieve pressure gradually.
  - b. Loosen the nut or coupling completely.
  - c. Clear hose or tip obstruction.

## Trigger Lock

Always engage the trigger lock when sprayer is stopped to prevent the gun from being triggered accidentally by hand or if dropped or bumped.



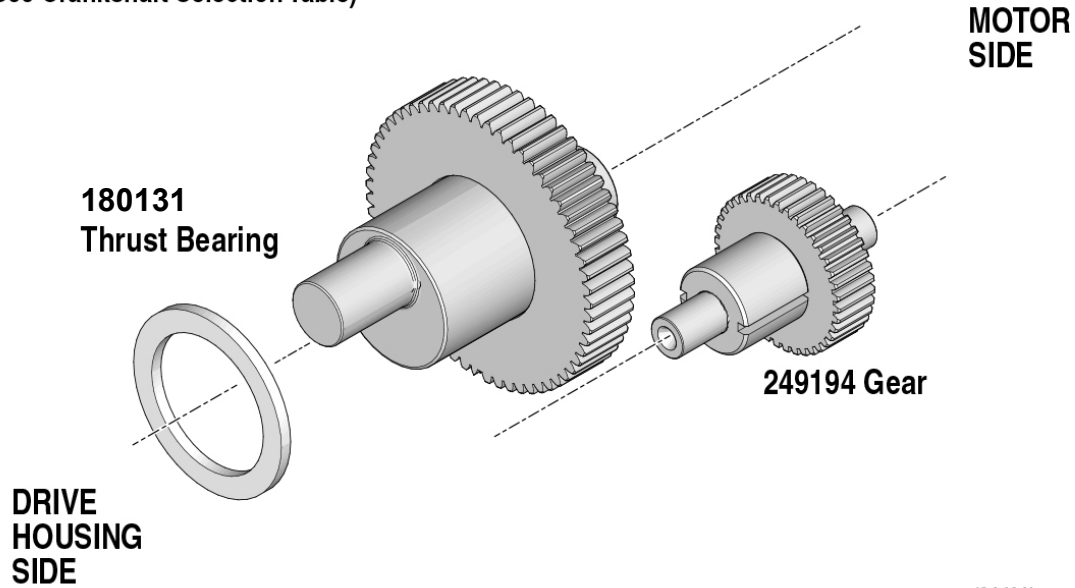
## Identify Needle and Flange Bearings in a Housing



## Option 1

Flange bearings in both motor and drive housing:

**Crankshaft Repair Kit**  
(See Crankshaft Selection Table)

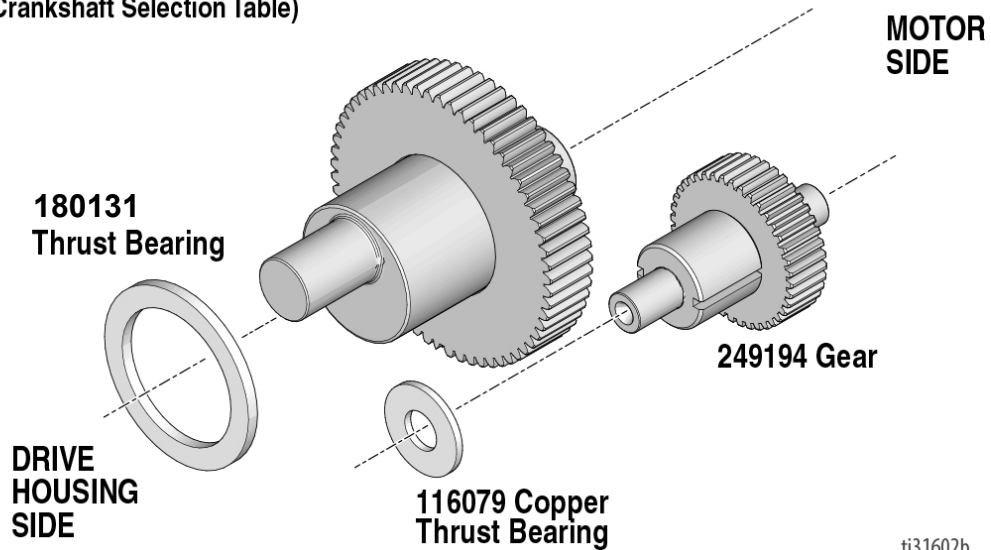


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## Option 2

Flange bearing in motor, needle bearing in drive housing:

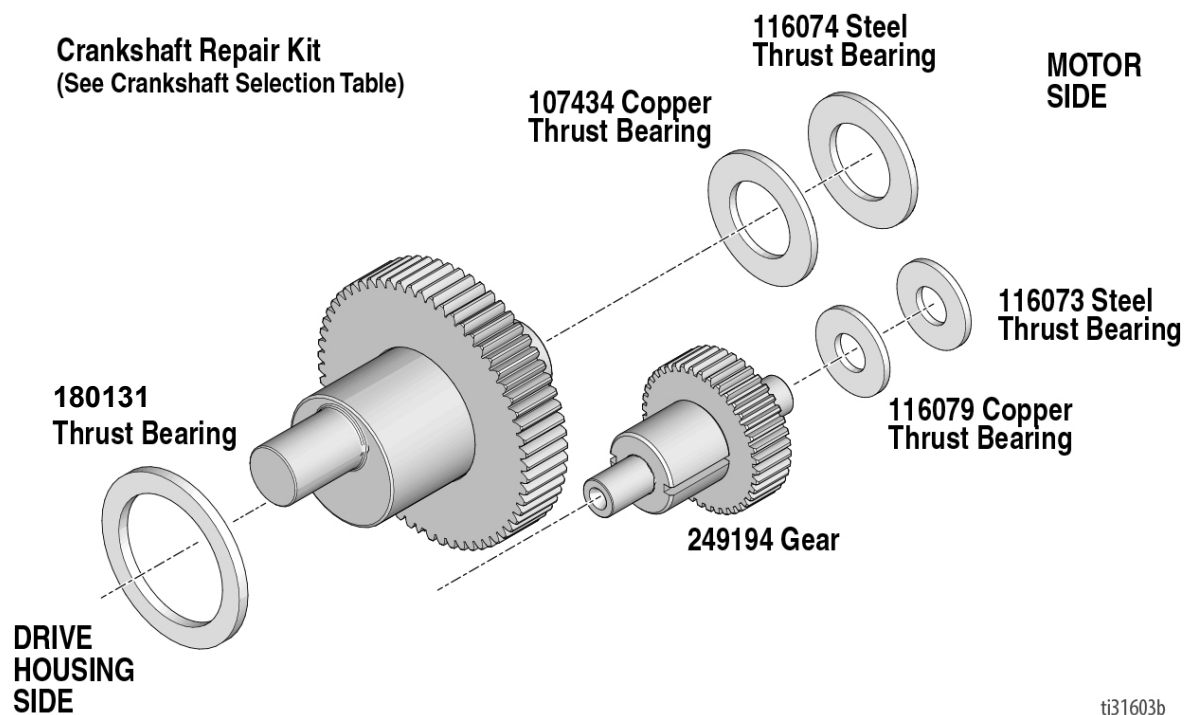
**Crankshaft Repair Kit**  
(See Crankshaft Selection Table)



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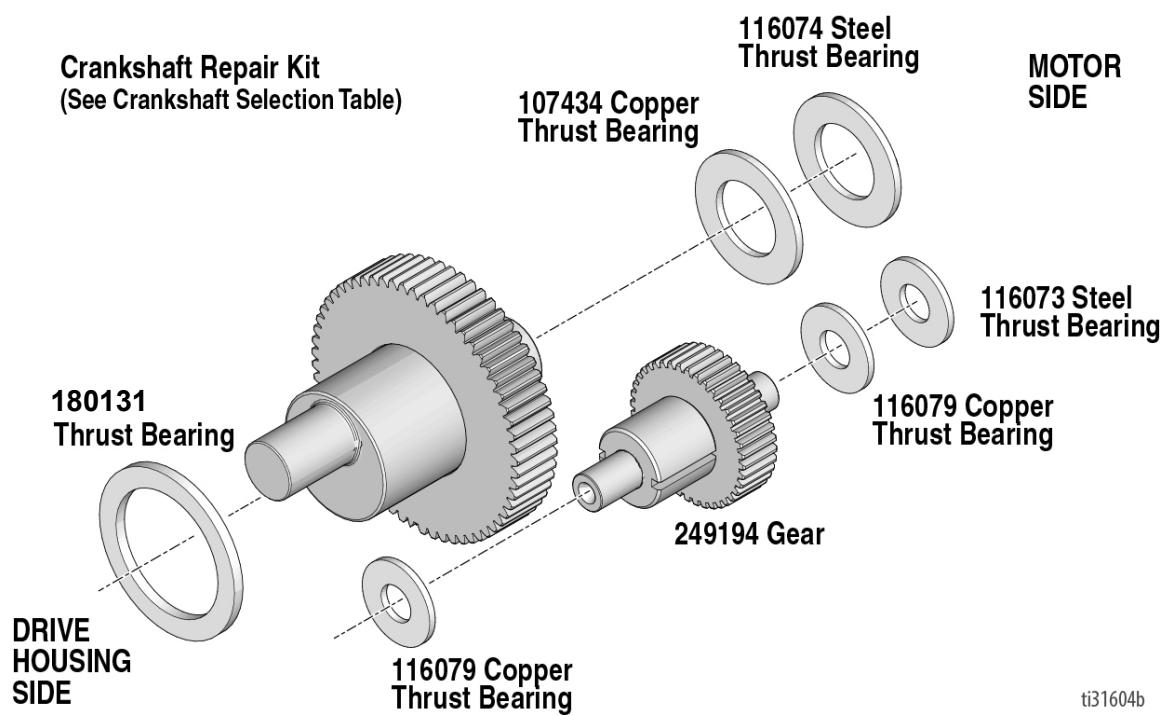
## Option 3

Needle bearing in motor, flange bearings in drive housing:



## Option 4

Needle bearing in both motor and drive housing:



# Crankshaft Selection Table

Model	Crankshaft Repair Kit
390	24X020
395	24X020
450	24X020
470	24X020
490	24X020
495	24X020
595	24X021
650	300001

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

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Original instructions. This manual contains English. MM 3A5265

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