



# TorqTaper® Plus Backstop Kit Installation Instructions

**Power Transmission Solutions**  
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7120 New Buffington Road  
Florence, KY 41042  
Application Engineering: 800 626 2093  
www.RegalPTS.com

**FORM**  
PN 654029, PS-740-0001  
**8917E**  
Revised  
October 2016

### ⚠ WARNING

- Read and follow all instructions carefully.
- Disconnect and lock-out power before installation and maintenance. Working on or near energized equipment can result in severe injury or death.
- Do not operate equipment without guards in place. Exposed equipment can result in severe injury or death.

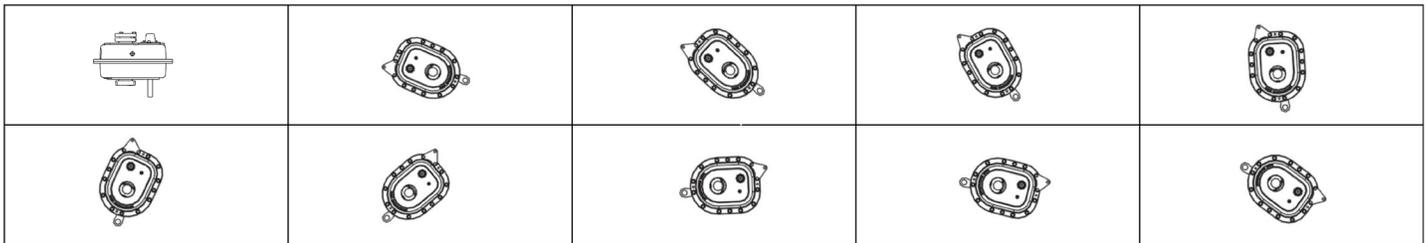
### ⚠ CAUTION

- Periodic inspections should be performed. Failure to perform proper maintenance can result in premature product failure and personal injury.

## Recommended Operating Positions



**CAUTION: For Alternate Operating Positions Contact Application Engineering for Modified Lubrication Instructions. Contact Application Engineering (800) 626-2093**

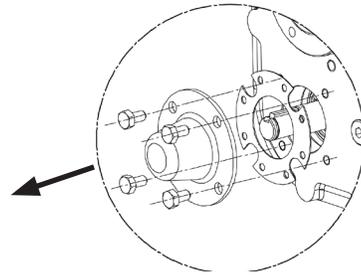
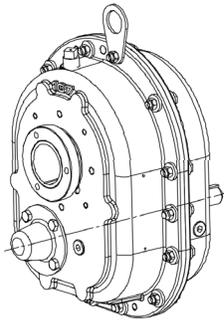


## Backstop Kit Installation Steps

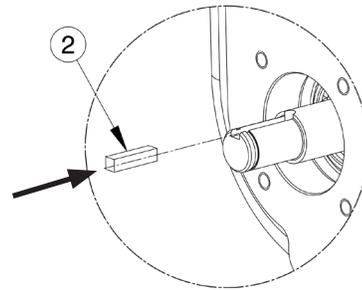
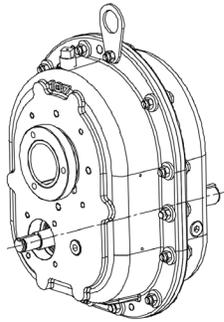
<p><b>Size 107 to 307</b></p> <p><b>Part List:</b>  1 – SMTP Gear Box  2 – Key  3 – Backstop  4 – Snap Ring  5 – Cover  6 – Outer Race Mounting Bolts  7 – Gasket</p>	<p><b>Size 315</b></p> <p><b>Part List:</b>  1 – SMTP Gear Box  2 – Key  3 – Backstop  4 – Snap Ring  5 – Cover  6 – Outer Race Mounting Bolts  7 – O-Ring  8 – Adapter Ring</p>	<p><b>Size 407 to 800</b></p> <p><b>Part List:</b>  1 – SMTP Gear Box  2 – Key  3 – Backstop  4 – Snap Ring  5 – Cover  6 – Outer Race Mounting Bolts  7 – O-Ring</p>
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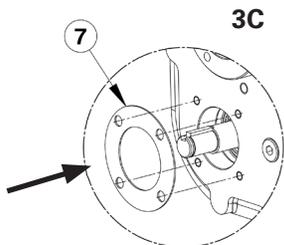
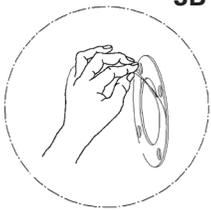
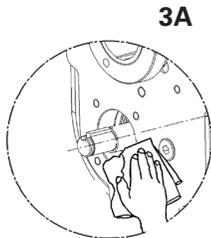
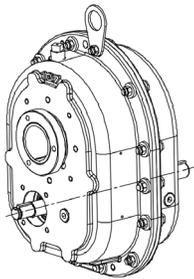
# 1 Size 107 to 800



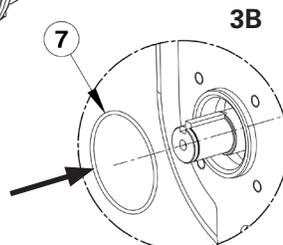
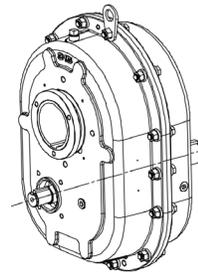
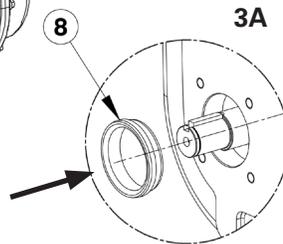
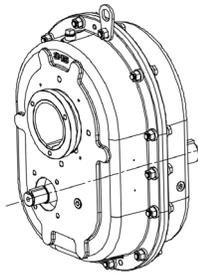
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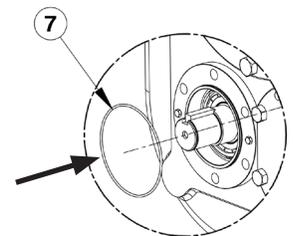
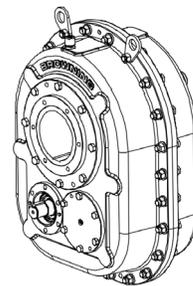
# 3 Size 107 to 307



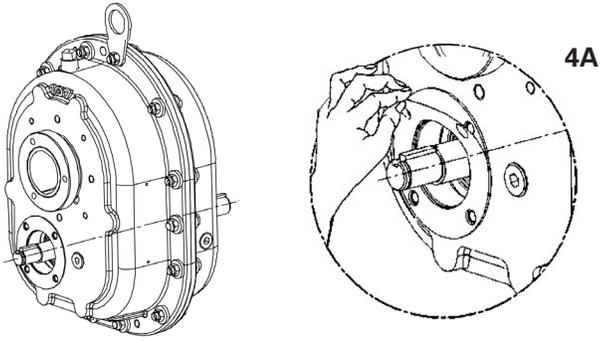
# 3 Size 315



# 3 Size 407 to 800

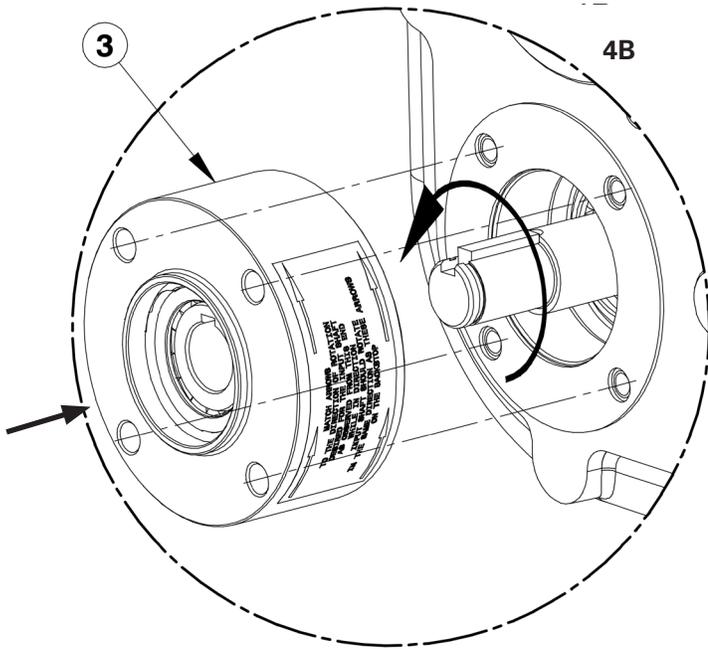


# 4 Size 107 to 800

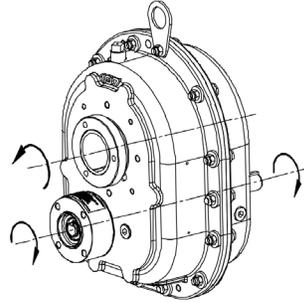


4A

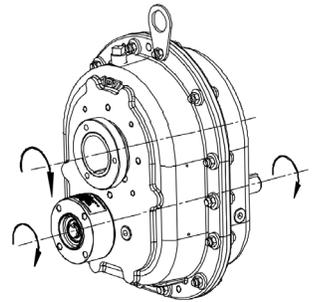
**WARNING!** Before installing the backstop, 'jog' the motor to determine the direction of rotation. Reverse motor direction of rotation if necessary to keep from starting against the backstop. If the motor is wired incorrectly and started against the backstop, the backstop will be permanently damaged and must be replaced.



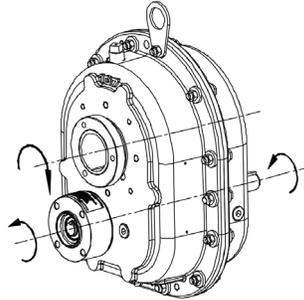
4B



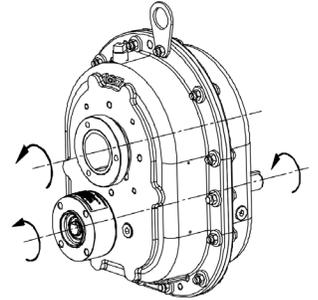
CW 5:1



CCW 9:1 15:1 25:1 35:1

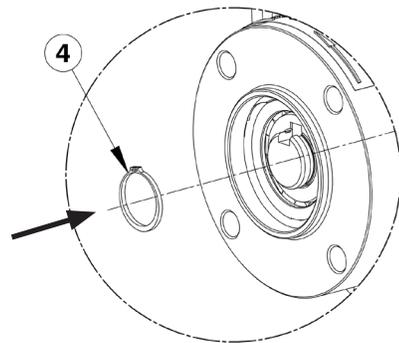
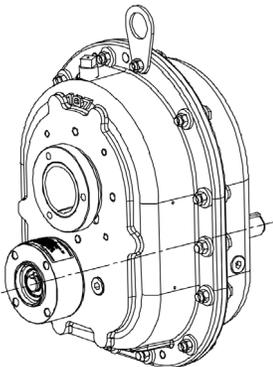


CCW 5:1



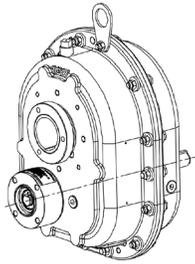
CW 9:1 15:1 25:1 35:1

# 5 Size 107 to 800

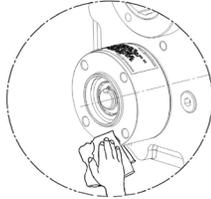


4

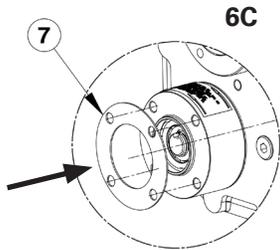
**6** Size 107 to 307



6A

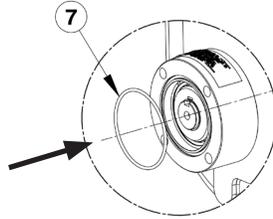
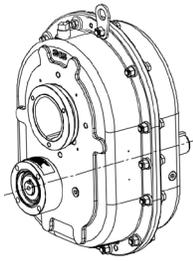


6B

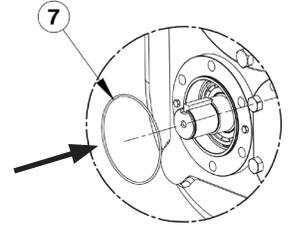
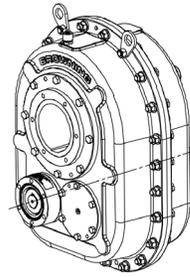


6C

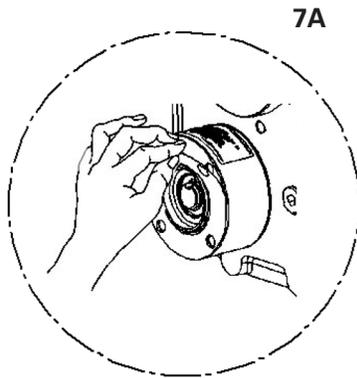
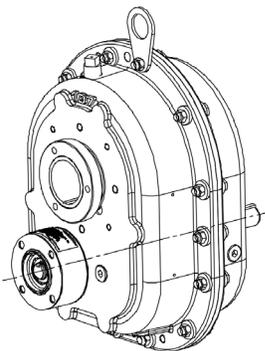
**6** Size 315



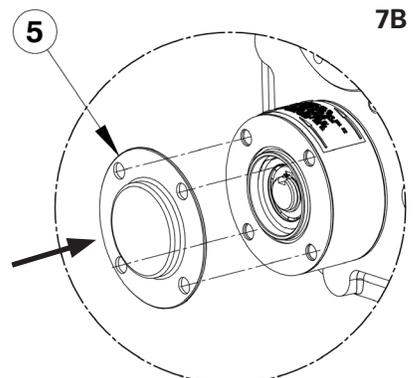
**6** Size 407 to 800



**7** Size 107 to 800

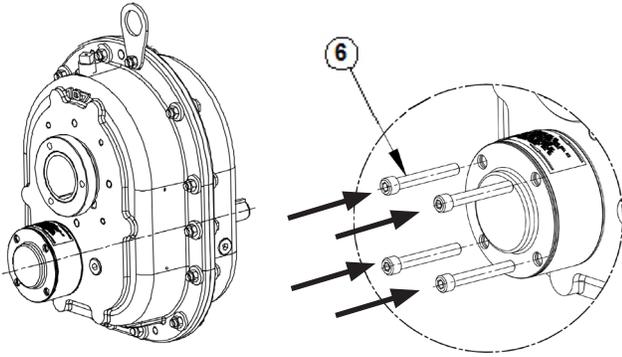


7A



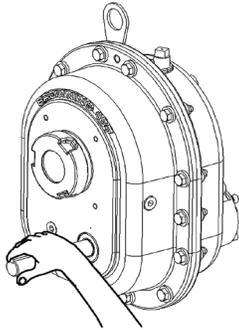
7B

# 8 Size 107 to 800



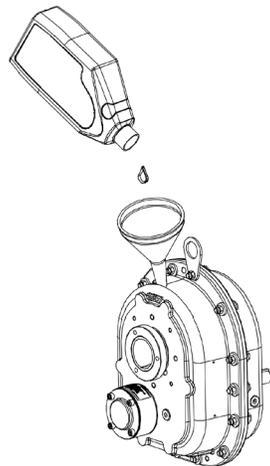
Tightening Torque		
Reducer Size	Bolt Size	TORQUE (FT-LBS)
107	1/4-20	8
115	1/4-20	8
203	1/4-20	8
207	3/8-16	29
215	3/8-16	29
307	3/8-16	29
315	1/2-13	70
407	1/2-13	70
415	1/2-13	70
507	5/8-11	140
608	5/8-11	140
800	3/4-10	250

# 9



**WARNING!** Check the assembly by rotating the input shaft by hand to confirm direction of rotation before putting in operation.

# 10



**CAUTION:** Check oil level after installation of backstop. Refer to TorqTaper® Plus reducer installation manual for proper oil level and type.

