Browning®

TorqTaper® Plus Backstop Kit Installation Instructions

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

FORM
8917E
Revised
October 2015

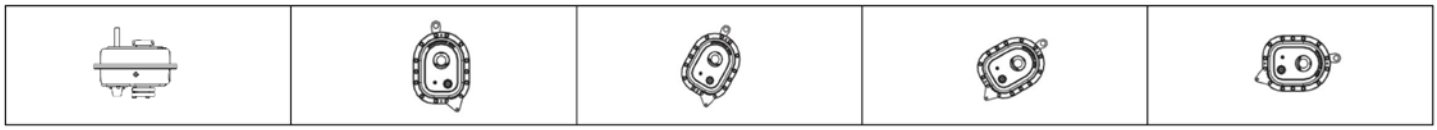
⚠ WARNING

- 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.
- Failure to observe safety precautions could cause personal injury or equipment damage.
- Do not disassemble the backstop

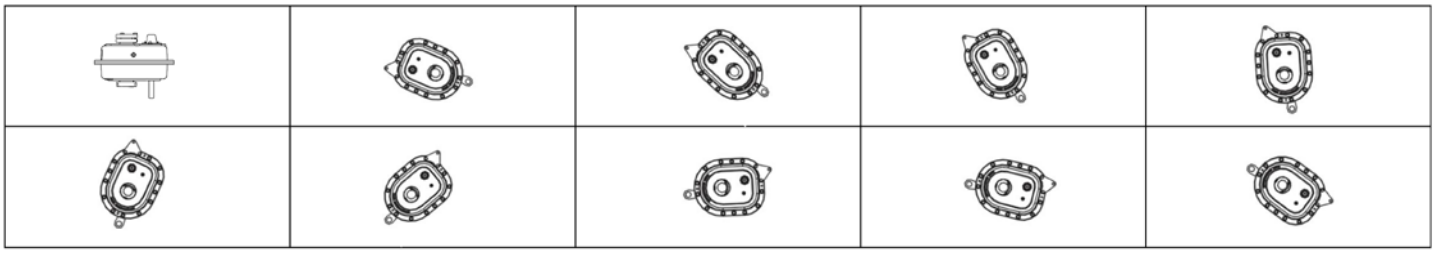
⚠ CAUTION

- All electrical work should be performed by qualified personnel and be compliant with local and national electrical codes.
- Periodic inspections should be performed. Failure to perform proper maintenance can result in premature product failure and personal injury

Recommended Operating Positions

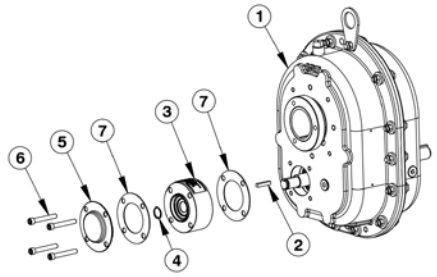


⚠ CAUTION **Alternate Operating Positions: Contact Application Engineering (800) 626-2093**



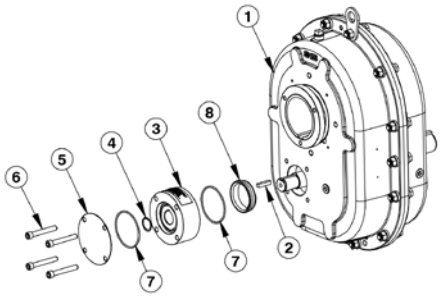
Backstop Kit Installation Steps

Size 107 to 307



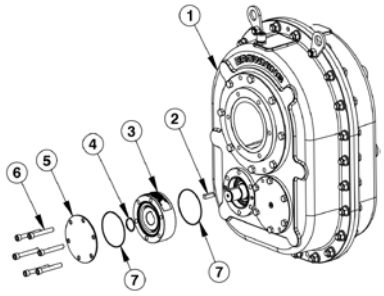
Part List:
1 – SMTP Gear Box
2 – Key
3 – Backstop
4 – Snap Ring
5 – Cover
6 – Outer Race Mounting Bolts
7 – Gasket

Size 315



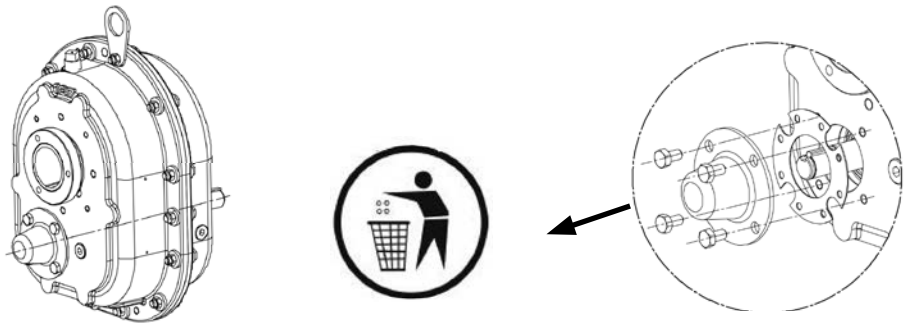
Part List:
1 – SMTP Gear Box
2 – Key
3 – Backstop
4 – Snap Ring
5 – Cover
6 – Outer Race Mounting Bolts
7 – O-Ring
8 – Adapter Ring

Size 407 to 800

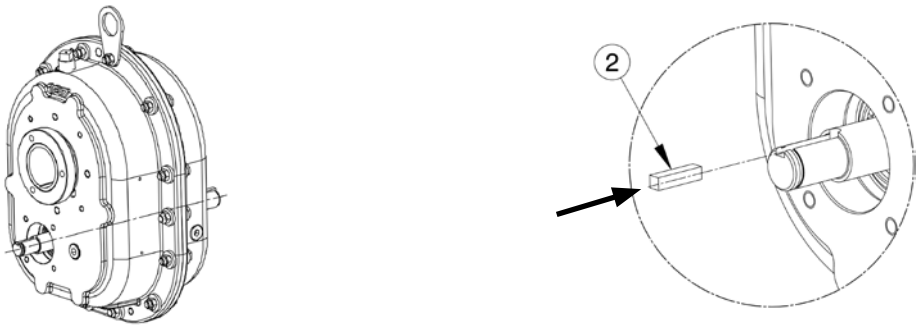


Part List:
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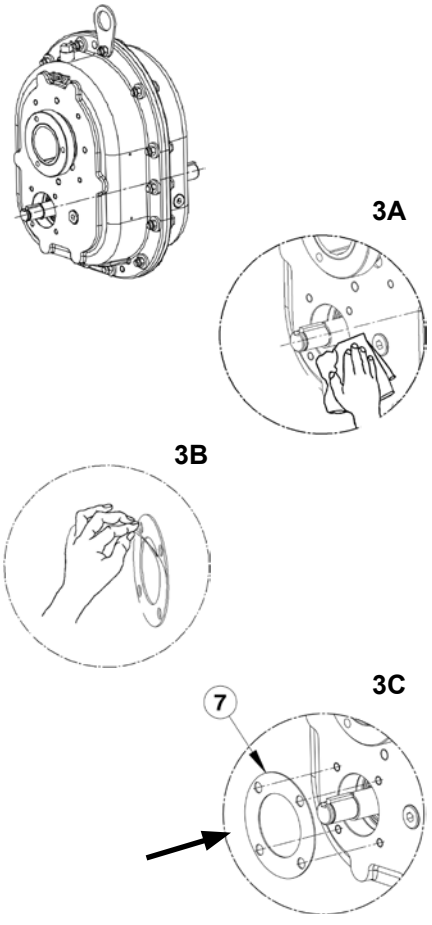
1 **Size 107 to 800**



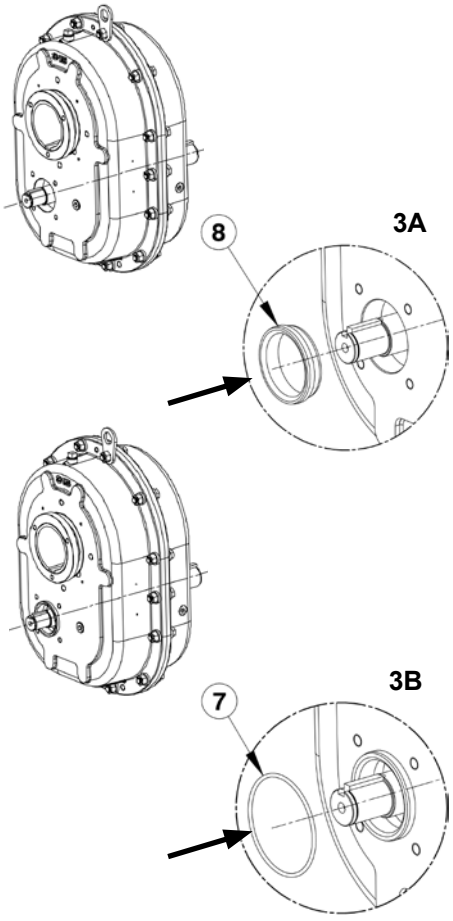
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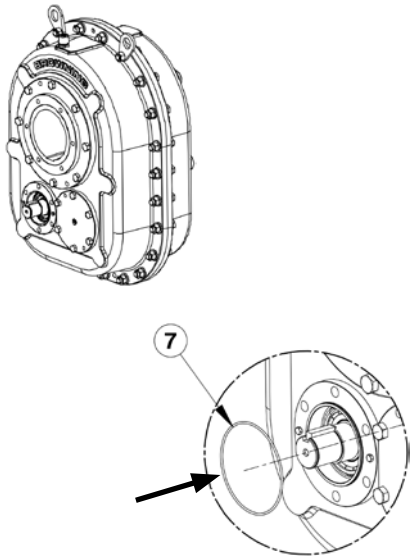
3 **Size 107 to 307**



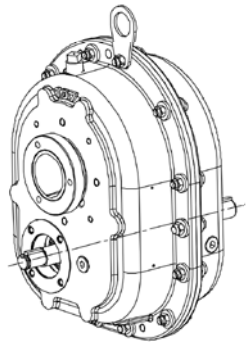
3 **Size 315**

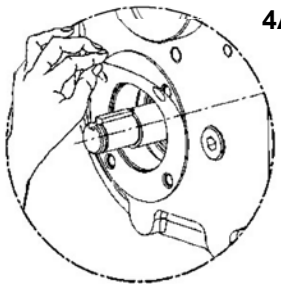


3 **Size 407 to 800**

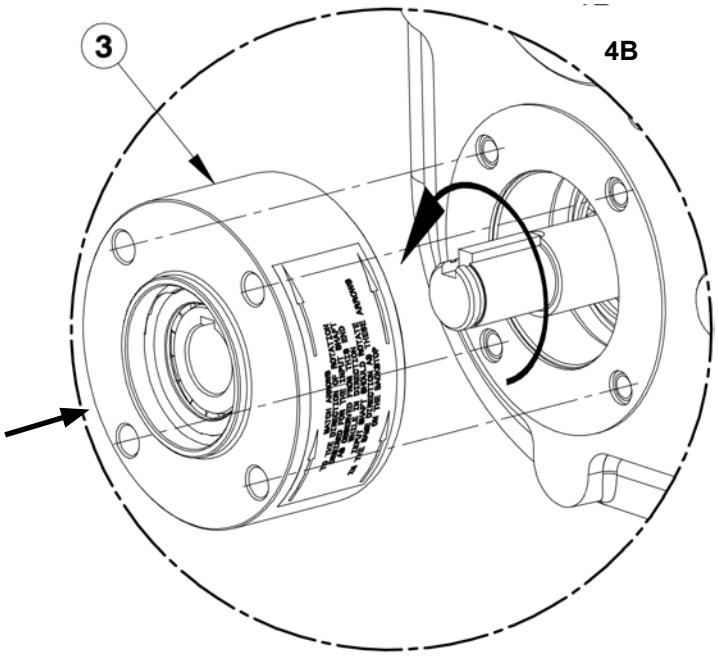


4 Size 107 to 800





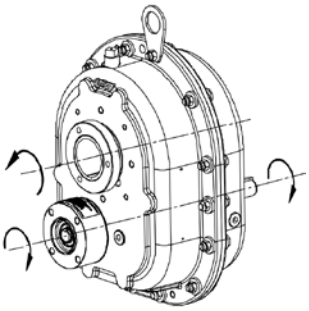
4A



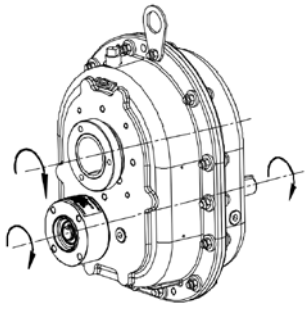
4B

⚠ WARNING

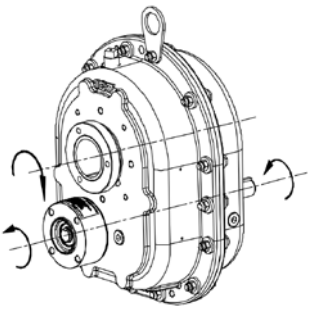
- Before installing the backstop, 'jog' the motor to determine the direction of rotation. Reverse motor direction of rotation if necessary to keep from starting against the backstop. If the motor is wired incorrectly and started against the backstop, the backstop will be permanently damaged and must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



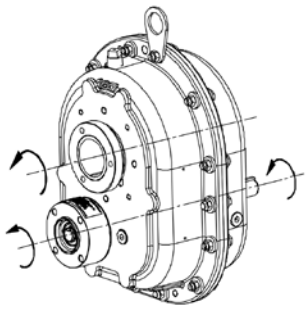
CW 5:1



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

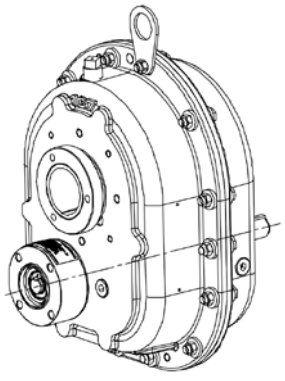


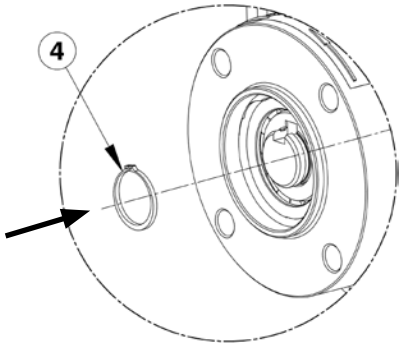
CCW 5:1



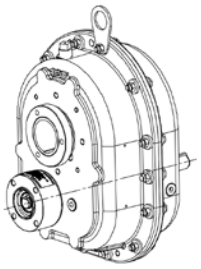
CW 9:1 15:1 25:1 35:1

5 Size 107 to 800





6 Size 107 to 307



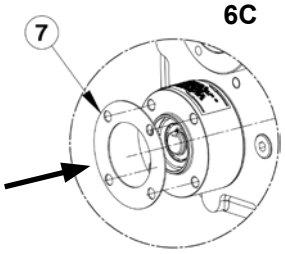
6A



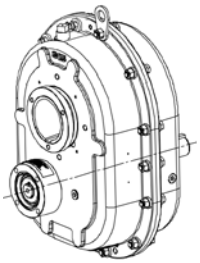
6B

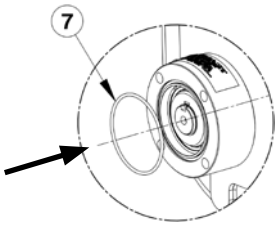


6C

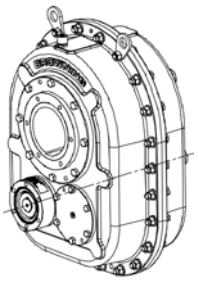


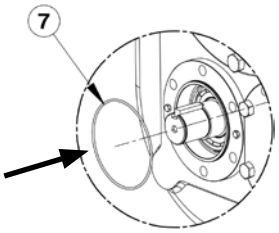
6 Size 315



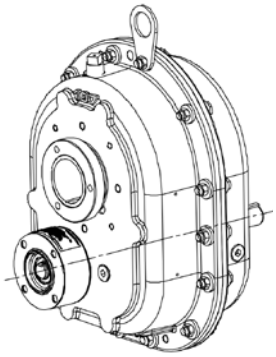


6 Size 407 to 800

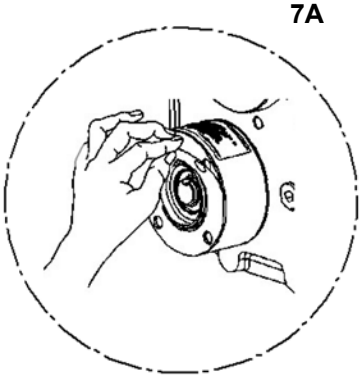




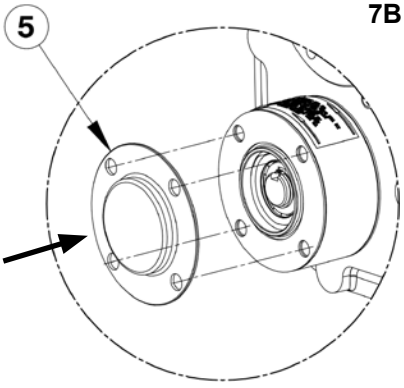
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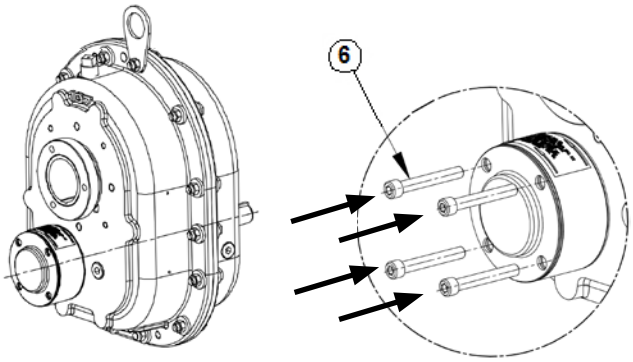
7A



7B

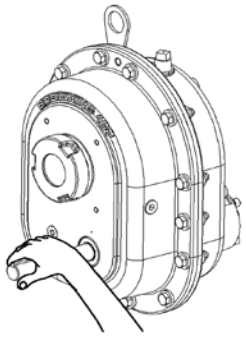


8 Size 107 to 800



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

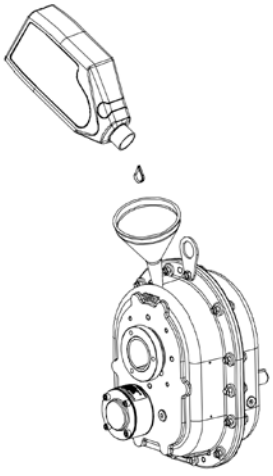


⚠ WARNING

- 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.

Note:

A Regal Brand

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