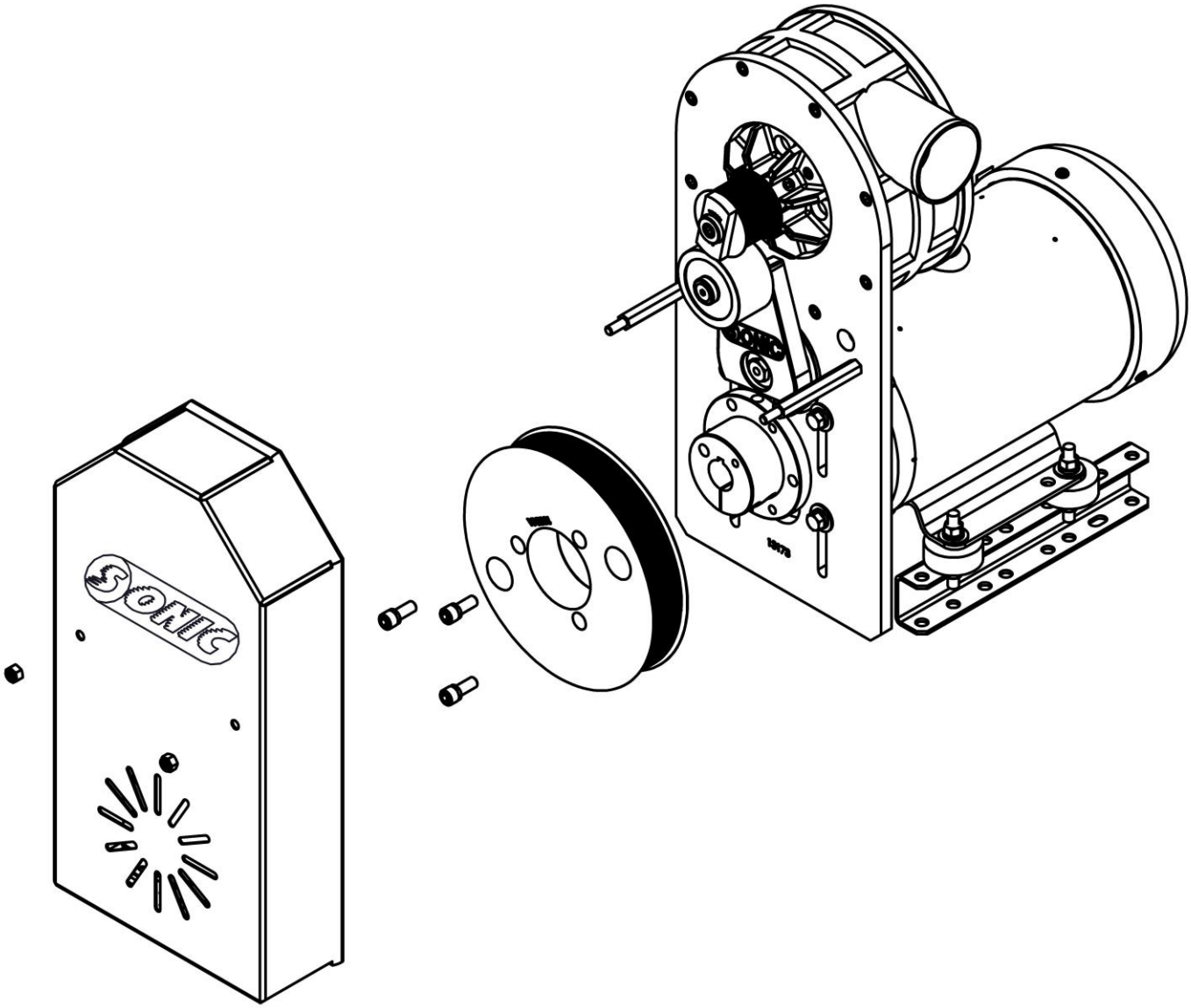
www.sonicairsystems.com

BELT TENSIONER INSTALLATION QUICKGUIDE

SONIC 70 – 300 CENTRIFUGAL BLOWERS

PART NO. 13455



Sonic Air Systems, Inc.
1050 Beacon St
Brea, CA 92821
Tel: 714-255-0124 Fax: 714-255-8366

IMPORTANT! – READ NOTES BELOW BEFORE PROCEEDING

SAFETY FIRST

ELECTRICAL

1. **ALWAYS** use qualified electrical and mechanical personnel for installation and maintenance of Sonic air blowers.
2. **ALWAYS** disconnect the electrical power at the motor starter, fuse box, or circuit breaker before working on the blower / motor.
3. **ALWAYS** use proper electrical installation, wiring, and controls consistent with local and national electrical codes. A lockable isolation switch should be provided.
4. Refer to the motor nameplate data for the proper power supply requirements. Be sure the junction box connections are tight and well insulated to prevent shorts and to assure maximum protection against moisture.



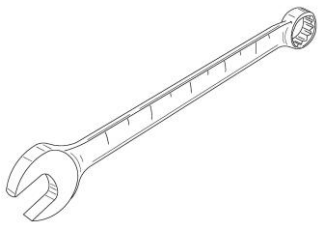
MECHANICAL

- **NEVER** run the Sonic Air blower without the belt guard installed.
- **NEVER** run the Sonic Air blower with the outlet open to atmosphere as this can cause the motor to overload.
- **NEVER** run the Sonic Air blower with the inlet open to atmosphere. Always connect your system piping, Sonic inlet filter, or Sonic Inlet safety screen to the blower inlet to prevent personal injury or damage to the blower.
- Keep tools, clothing and hands away from rotating or moving parts while the unit is running.
- Use safety glasses and hearing protection when working around the blower / motor and / or air knife assembly while the system is running.

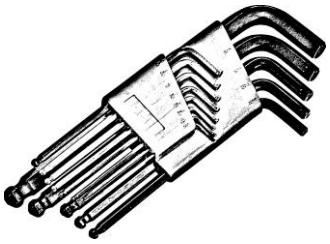


TORQUE SPECIFICATIONS	Sonic (All Models)	
Pivot Screw	20 ft/lbs (27 Nm)	
Motor Pulley Screw	35 ft/lbs (47 Nm)	
Bracket Mounting Screws	½" = 45 ft/lbs (61 Nm)	3/8" = 35 ft/lbs (47 Nm)

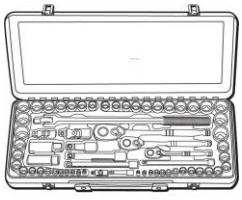
TOOLS REQUIRED



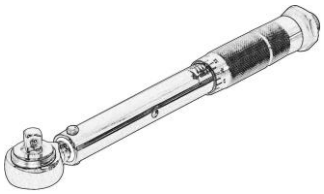
6-Pont Wrench - 9/16"



Allen Key Set

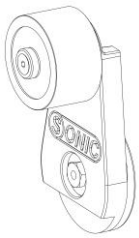


Socket Set

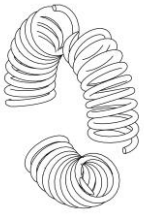


Torque Wrench 10-100ft/lbs

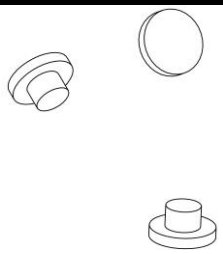
MATERIALS SUPPLIED



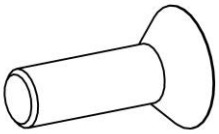
Quantity – 1 piece
Tensioner Arm



Quantity – 3 pieces
Springs



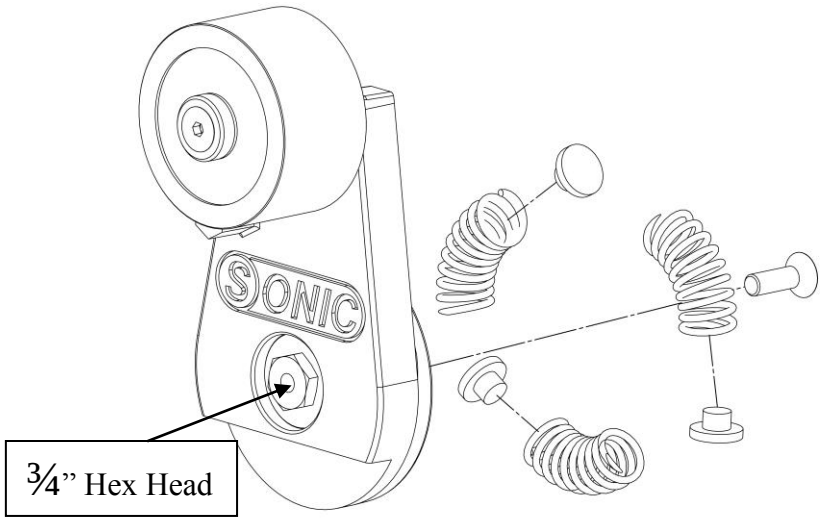
Quantity – 3 pieces
Cap-Spring



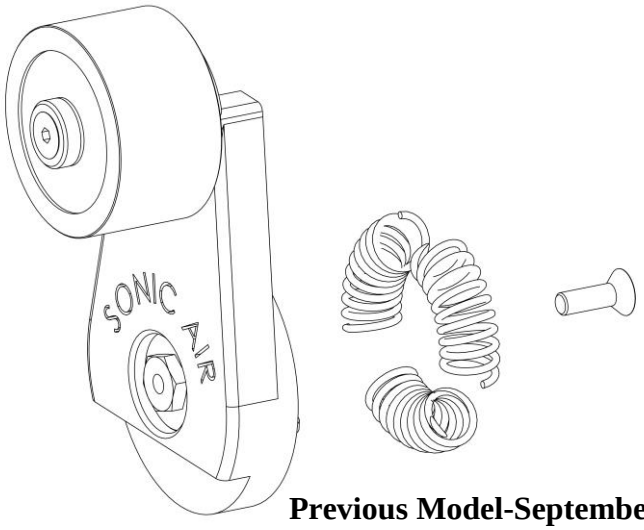
Quantity – 1 piece
Pivot Screw

Spring kit-P/N: 17707

EXPLODED DIAGRAM

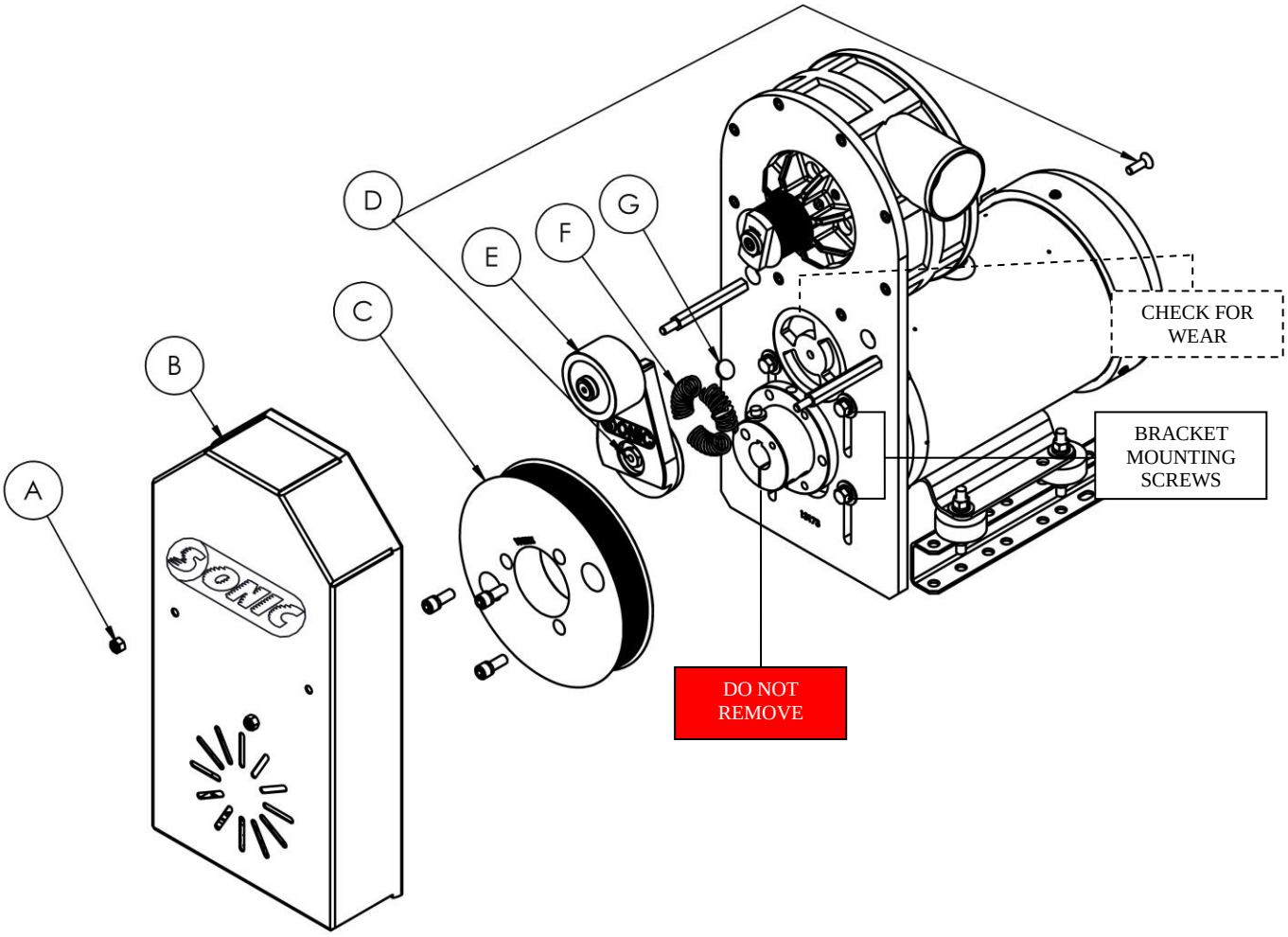


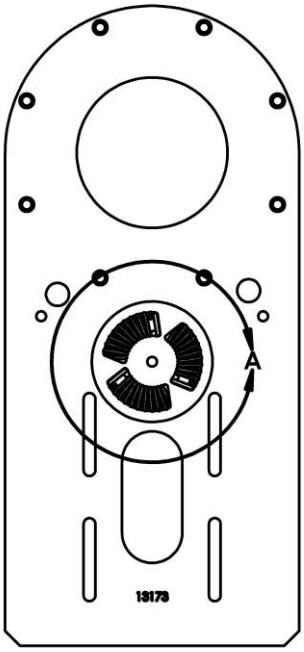
Current Model-May, 2016

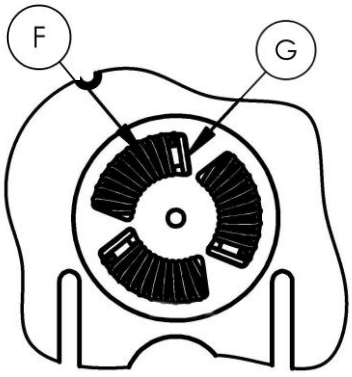


Previous Model-September, 2013

Dimensionally Interchangeable







DETAIL A

SONIC AIR SYSTEMS

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Lockout Power to the unit or disconnect wiring before any work is perform

REMOVAL	REPLACEMENT
1. Remove Belt Guard Nuts (**A)**, Belt Guard **(B)** & Drive Belt (not shown)	1. Place new Springs (F) and cap (G) in the same sequence into Bracket as show in Detail-A
2. Remove Motor Pulley **(C)** [Do not remove Bushing from Motor Shaft; dimensional settings are critical to operation]	2. Install new Tensioner in the 2 o'clock position **(E)**
3. Remove Pivot Screw and Nylock nut **(D)** – Discard If Pivot Screw is not accessible due to Bracket location, loosen bracket mounting screws behind motor pulley and slide the bracket to expose the Pivot screw	3. Install new Pivot Screw through backside of Bracket **(D)** & tighten. Torque to specified requirement 4. If Bracket location was moved to gain access to Pivot Screw, place bracket to original location and tighten bracket mounting screws to specified Torque
4. Remove Tensioner **(E)** – Discard	5. Re-install Motor Pulley **(C)**. Torque to specified requirements *(Check Pulley's for wear. Replace if necessary)*
5. Remove Springs **(F)** – Discard	6. Re-install Drive Belt. Verify ¾" belt gap. Rotate Motor Pulley **(C)** to make sure Drive belt is seated in the grooves
6. Check Bracket face and Spring cavities for wear. Contact Sonic if wear is excessive	7. Re-install Belt Guard **(B)**. Tighten Belt Guard nuts **(A)**

For full Blower Instructional Manual please go to www.sonicairsystems.com/instructions.php