



PTO Pulley

Tech Tip No. 14-0602REVA

Please Note: The original part number was incorrect.

Complaint - There is a noise emanating from the front of the motor and on closer inspection there are “chunks” of rubber around the lower front of the motor and on the lower radiator hose (FIGURE #1)

Cause - The pulley mounted as what appears to be a crank pulley and runs the main drive belt is mounted to its hub at 3 points which are mounted in rubber (FIGURE #2) These mounts on some units have been seen to wear and as they do the rubber comes apart. It was originally thought that the issue was only on units with A/C or with specific specifications, but has been seen on various applications.

Correction - The actual “PTO” assembly appears to be if looking at the unit a simple crank pulley, but is actually the pulley and hub which mount to the crank along with a bracket which mounts to the engine block, See Item #14 in FIGURE #3. To replace, remove the engine belt, hold the engine from turning and using a 14mm hex allen head remove the center bolt of the PTO (**THIS IS LEFT HAND THREAD**) and then remove the M10 X 38 bolt (UPPER LH) and M10 hex nut on stud (LOWER RH) which hold the bracket to the block.

For installation, install the PTO on the front of the engine slipping the bracket over the lower stud to align and install the center hub bolt and holding the engine from turning torque to 100 NM (FIGURE #4). Then install the lower bracket stud nut and upper bolt and torque to 47.5 NM (FIGURE #5)

NOTE – Failing to do so in this manor will cause bushing damage

PTO PART #10023203

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Figure #1



Figure #2

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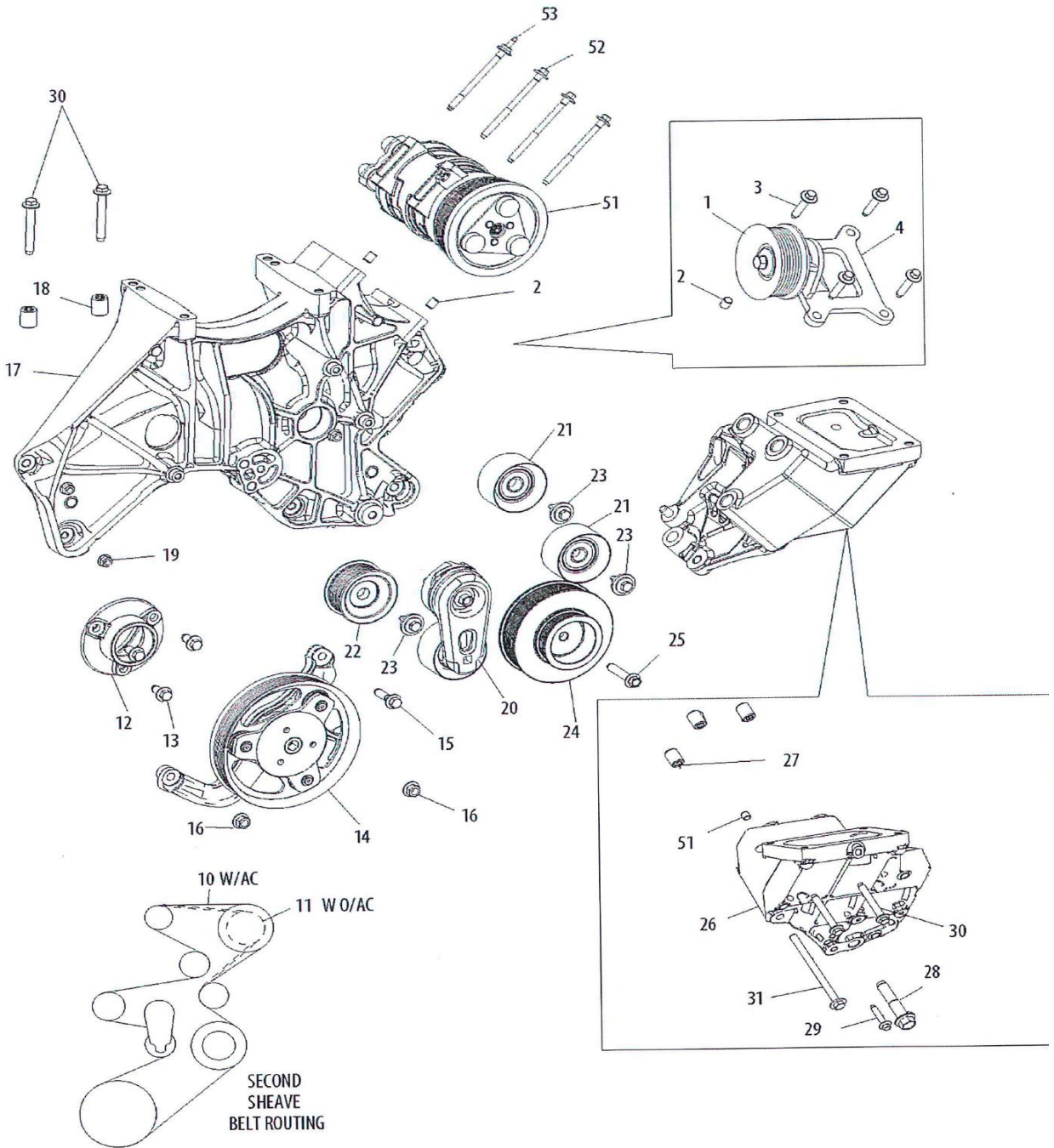
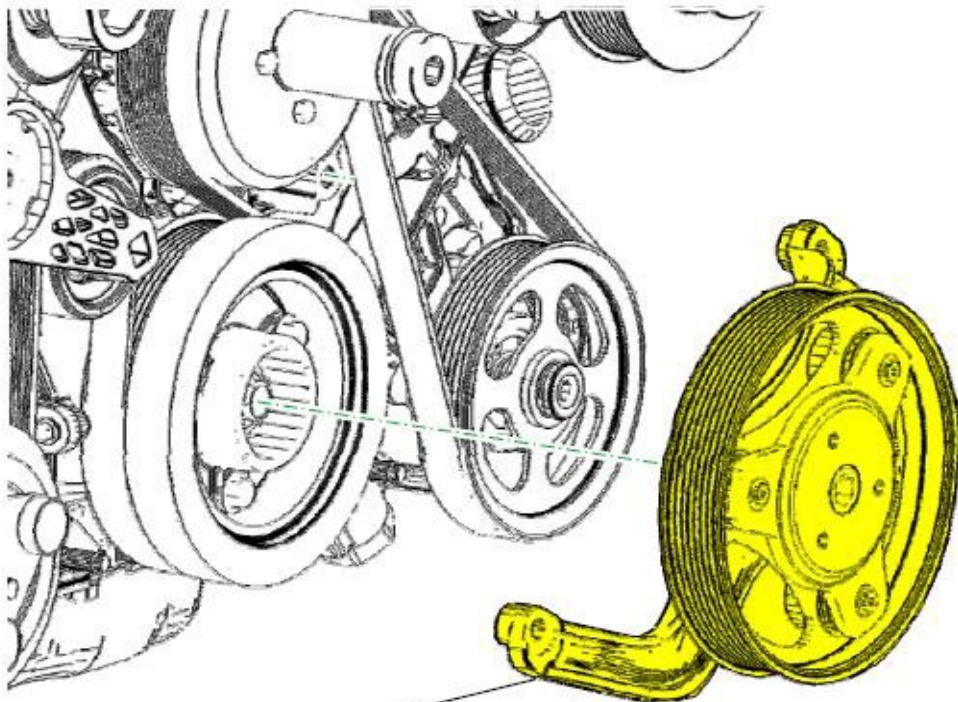


Figure #3

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PTO INSTALLATION



P11BB-6C254-A*
 PTO ASY - 2ND SHEAVE
 TORQUE: 100 +/- 5 NM
 LEFT HANDED THREAD (14MM HEX)

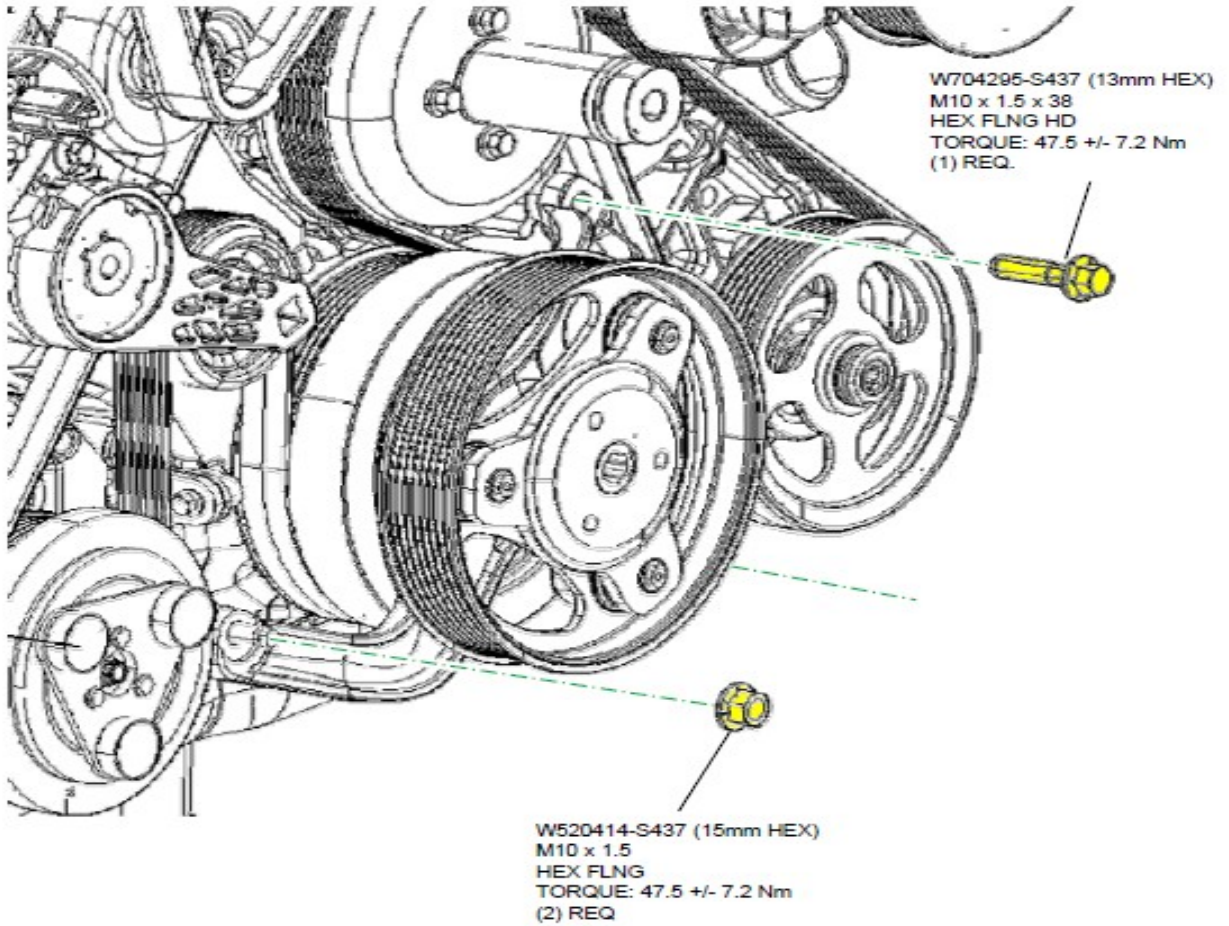
REL	MODEL	2013 6.8L 3V LPG		DATE	01/09/12
ROUSH CLEANTECH	NO.	P13BB-543	REV	AA	FRAME
					52

Figure #4

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PTO INSTALLATION




REL	MODEL	2013 6.8L 3V LPG		DATE	01/09/12	
	NO.	P13BB-543	REV	AA	FRAME	52.1

Figure #5

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CONTACT OUR SERVICE OR PARTS DEPARTMENT WITH ANY QUESTIONS

SERVICE

Chittenango: 800-962-5768
Daryl Wallace or Brian Lamaitis

Rochester: 800-463-3232
Dave Schaub

Albany: 866-867-1100
Ben Reiling

Warranty: 800-962-5768
Morgan Jenkins
**Customer Service
Representatives**

Eastern Region:
Gary Bigness
845-500-3707

Central Region:
JJ Richmond
315-559-3999

Western Region:
Mike Panzica
716-908-3186

PARTS

Director of Parts
Jim Hogan
jhogan@newyorkbussales.com
607-227-5794

Chittenango: 800-962-5768
Gari McQuade
gmcquade@newyorkbussales.com
Bill Cox
bcox@newyorkbussales.com
John Lewin
jlewin@newyorkbussales.com
Dave Grant
dgrant@newyorkbussales.com

Albany: 866-867-1100
Sean Conway
sconway@newyorkbussales.com
Pat Murphy
pmurphy@newyorkbussales.com

Rochester: 800-463-3232
Dave Cook
dcook@newyorkbussales.com
Steve Hibbard
shibbard@newyorkbussales.com

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