



Service Bulletin

THE KING OF SNOW®

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Product Family: 2012 Pro-Series Sno-Thro® Models

Subject: Missing Engine Mounting Hardware, Remove Protective Covering from Recoil Housing

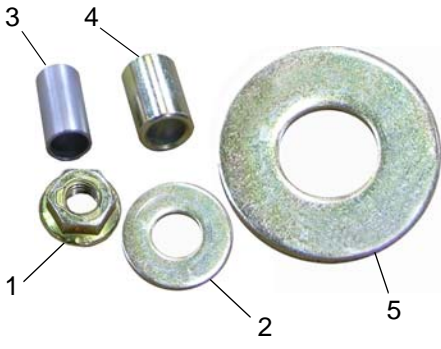
Dealer Action: Install Missing Hardware, Remove Protective Covering

Ariens Company has learned that some hardware used to mount the engine to the frame on the Pro models listed below may have been omitted. This allows the potential for slight shifting of the engine and possible belt misalignment. The plastic protective wrap applied to the recoil housing must also be removed to prevent potential engine overheating.

Model	Description	Serial Number
926038	Pro 26	035001 – 035202, 035211 – 035224, 035234 – 035235
926039	Pro 32	035019, 035042 – 035065, 035077, 035090 – 035092
926040	Pro 36	035001 – 035003, 035007, 035024, 035040 – 035045

A service kit (p/n 52610400) has been developed which includes hardware, engine mount bushings and a washer for the engine sheave. Dealers are to order and install kit # 52610400 on all affected units.

Kit contents (Figure 1):



Item No.	Part No.	Qty	Description
1	06543100	4	5/16-18 Locking Top Flange Nut
2	06435700	2	3/8 x 7/8 Flat Washer
3	05500937	2	.325 x .400 x .795 Bushing (Silver Finish, Thin Wall)
4	05531500	2	.328 x .50 x .75 Bushing Gold Finish, Thick Wall)
5	06443000	1	1 x 2 Flat Washer

Figure 1

For each unit requiring service Dealers will be reimbursed 0.5 hours of labor at their standard shop labor rates.

INSTALLATION

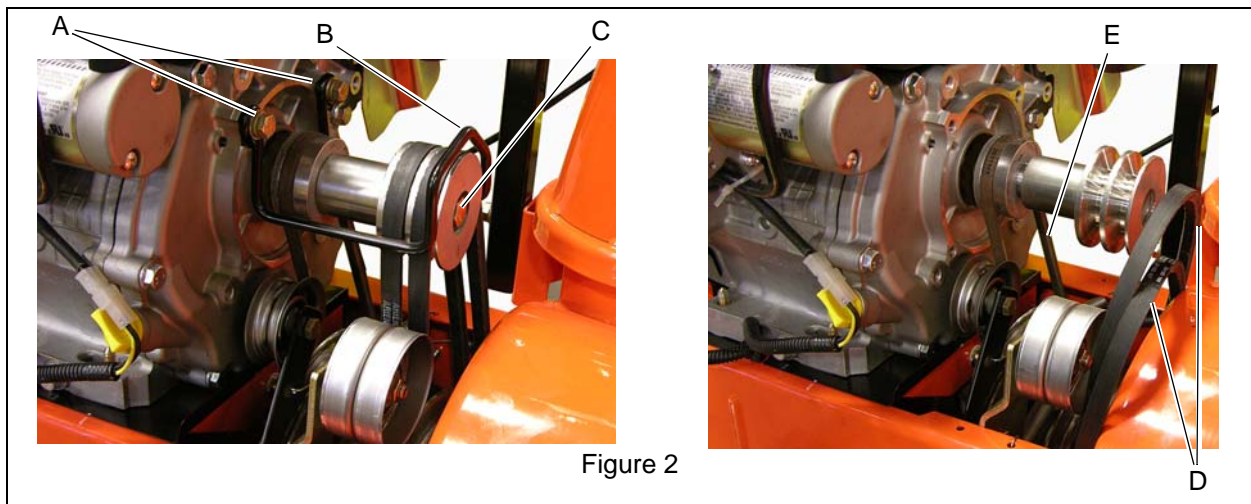
Relieve Belt Tension (Figure 2)

NOTE: Removing the drive and attachment belts releases tension on the engine to allow easier bushing installation.

1. Loosen hardware retaining belt cover and remove belt cover from unit. Retain cover.
2. Remove hardware (A) retaining belt finger (B) and remove belt finger. Retain all parts.
3. Remove hex bolt and washer (C) retaining sheaves. Retain hardware.

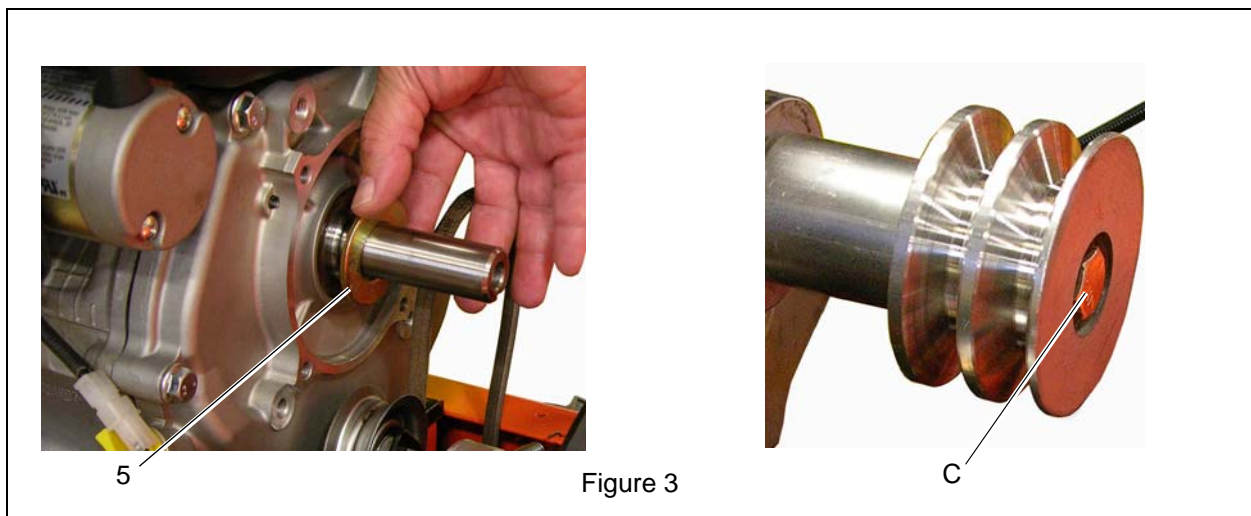
NOTE: Grasp and squeeze the belts to stop sheaves from turning while loosening the sheave bolt.

4. Remove attachment belts (D) from attachment sheave. Do not remove from lower pulley.
5. Remove drive belt (E) from drive sheave. Do not remove from lower pulley.



Engine Sheave Spacer

1. Remove attachment sheave and drive sheave from engine shaft. Note sheave orientation for reassembly.
2. Install 1 x 2 flat washer (Item 5) on engine shaft (Figure 3).
3. Install drive sheave and accessory sheave.
4. Retain sheaves with hardware (C) removed earlier. Torque bolt to 388 lbf-in.



Engine Mounting Hardware

1. Remove four hex nuts retaining engine to Sno-Thro frame. Note position of cable J-hook for reinstallation. Discard hex nuts but retain J-hook.
2. Install two silver thin-wall bushings (Item 3) over rear studs and slide down into engine base (Figure 4).
3. Install two gold thick-wall bushings (Item 4) over front studs and slide down into engine base (Figure 4).

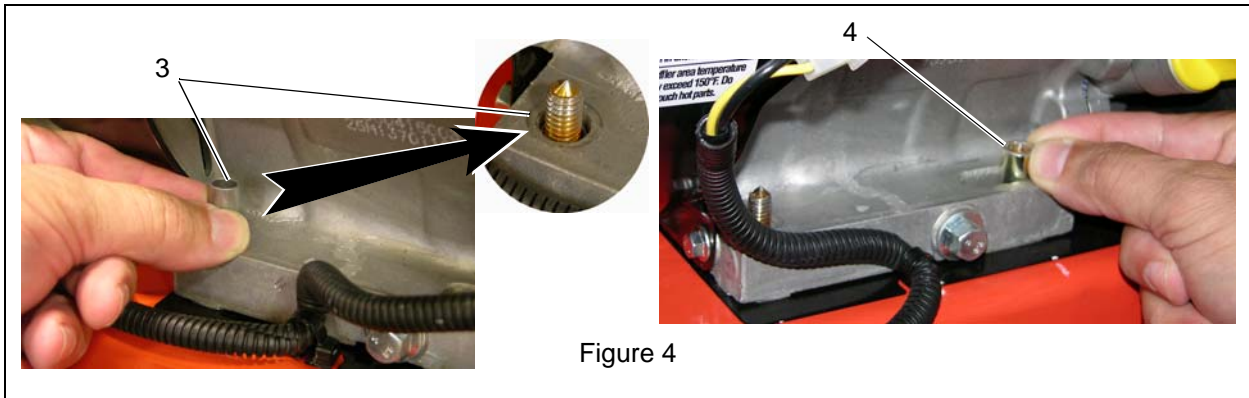


Figure 4

4. Install two 5/16 locking top flange nuts (Item 1) on rear engine mounting studs. Do not fully tighten (Figure 5).
5. Install two 3/8 flat washers (Item 2) and two 5/16 locking top flange nuts (Item 1) on front engine mounting studs (Figure 5).

NOTE: Ensure that J-clip for chute deflector cable is correctly repositioned.

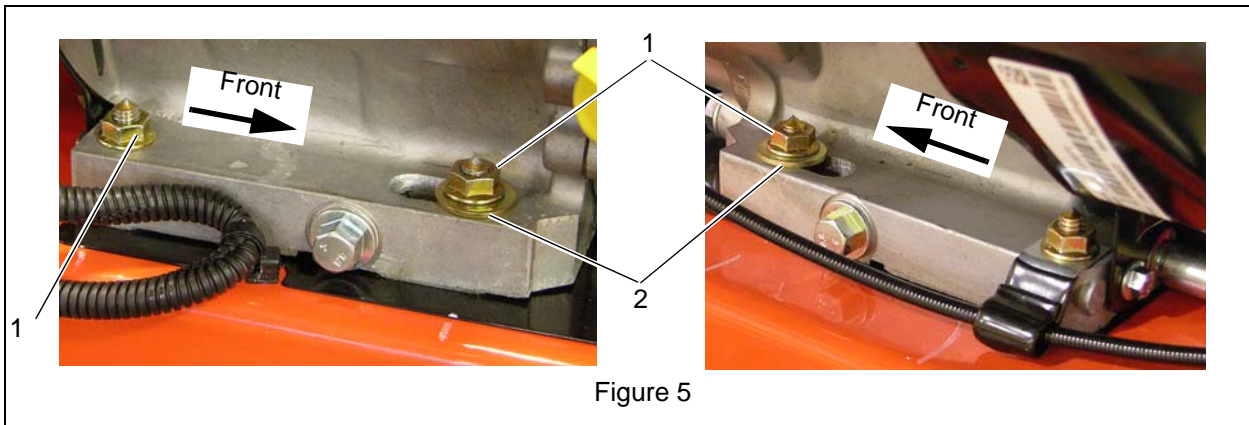


Figure 5

6. Tighten all engine-mounting hardware to 135 lbf-in.

7. Install drive belt and accessory belts (Figure 6).
8. Install belt finger (B) and retain with hardware removed earlier (Figure 6). Torque to 132 lbf-in.
9. Ensure proper belt finger clearance:
 - With attachment clutch engaged belt finger on the side opposite the belt idler should have a maximum clearance of .125" from belt without touching.

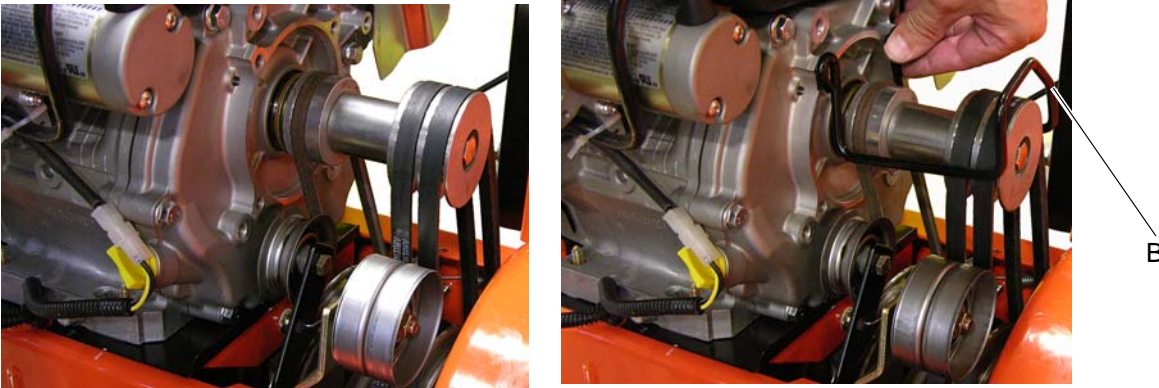


Figure 6

10. Replace belt cover.

Remove Protective Cover From Recoil Housing

1. Remove the plastic protective covering from the recoil housing. Engine overheating and potential damage can occur if left in place.



Figure 7