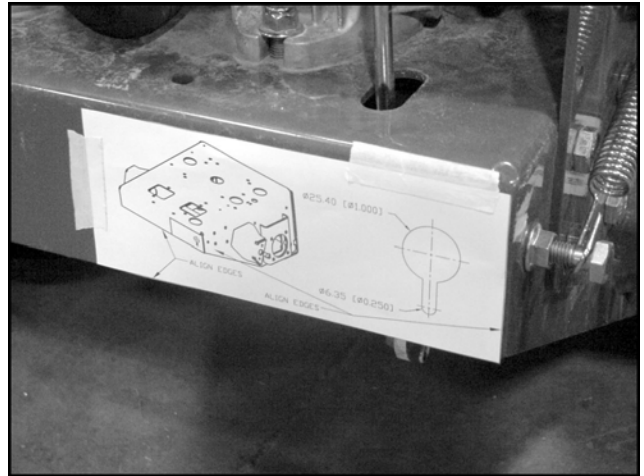


**INTRODUCTION:** This instruction sheet covers the installation of the Cold Start Kit (970264) on hydro midsize models 63032x, 73032x and 93032x.

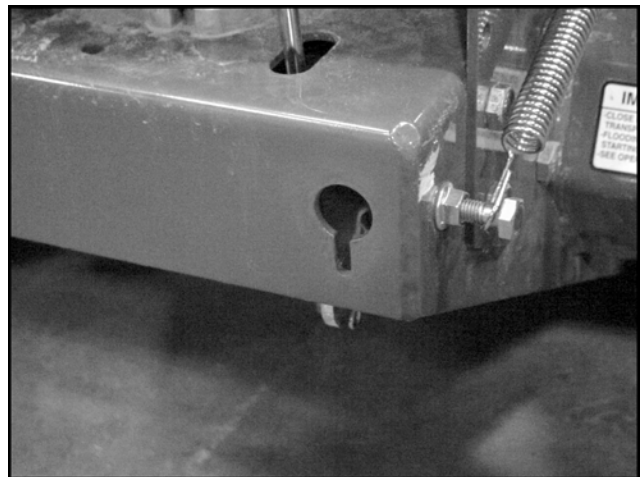
**NOTE:** All references to front, rear, left and right are with respect to an operator in the operator's position.

**NOTE:** If your power unit is equipped with a key shaped hole at the rear of the engine deck, proceed to Step 7.

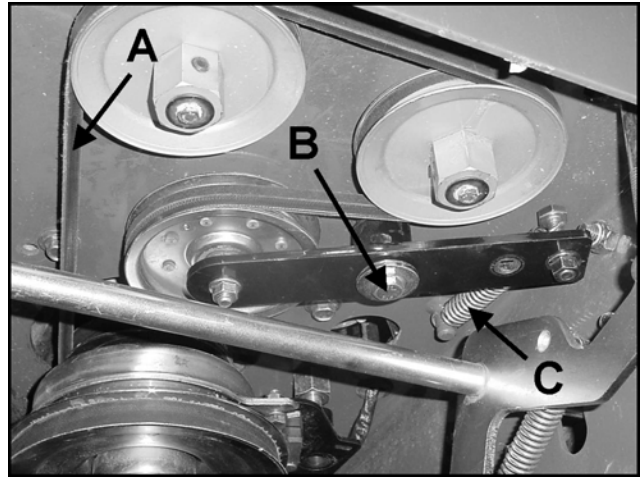
1. Cut and remove the drill template from the last page of this instruction sheet.
2. Tape the template to the rear of the engine deck aligning it as indicated on the template.
3. Use a centerpunch to transfer the center of the 1" and 0.25" diameter holes to the rear of the engine deck.



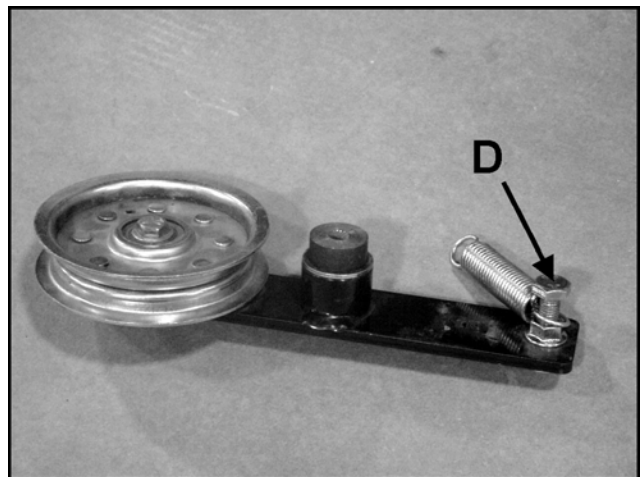
4. Using a 1" hole saw, drill the upper hole. Using an 0.25" drill bit, drill the lower hole.
5. Using a saw blade, join the two holes and file smooth as shown.
6. Touch up edges of the holes with paint.



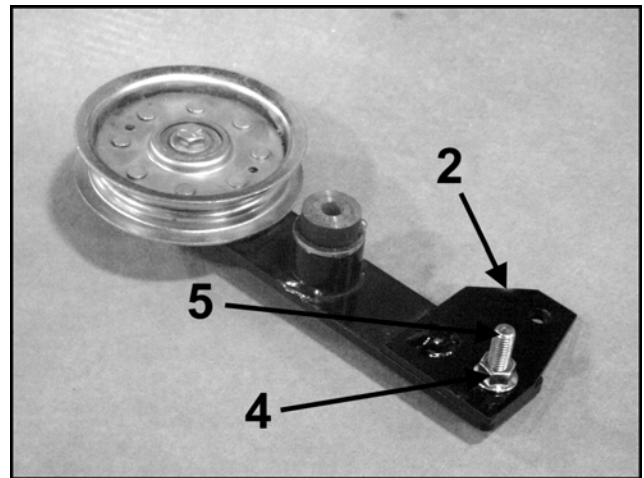
7. Remove the drive belt **A** from the hydraulic pumps. (It is not necessary to remove the belt from the engine crankshaft pulley).
8. Remove bolt **B** fastening the idler arm to the engine deck and retain for later use.
9. Disconnect the idler arm spring **C** from the pin on the engine deck.



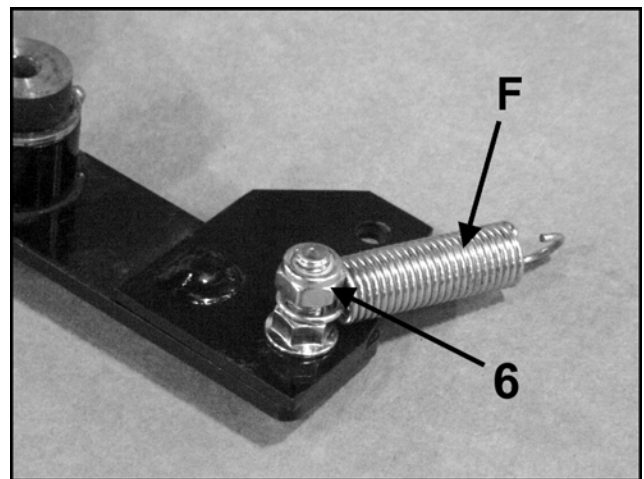
10. Remove the bolt, two nuts and spring at location **D**. Discard the fasteners and retain the spring for later use.



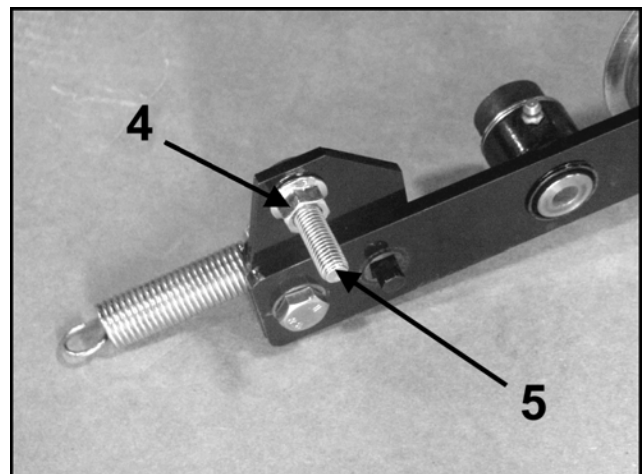
11. Install bracket **2** on idler arm with the pin inserted through the square hole. Secure bracket **2** to idler arm using (1) M10-1.50X40 bolt **5** and (1) M10-1.50 whiz nut **4** supplied in kit as shown.



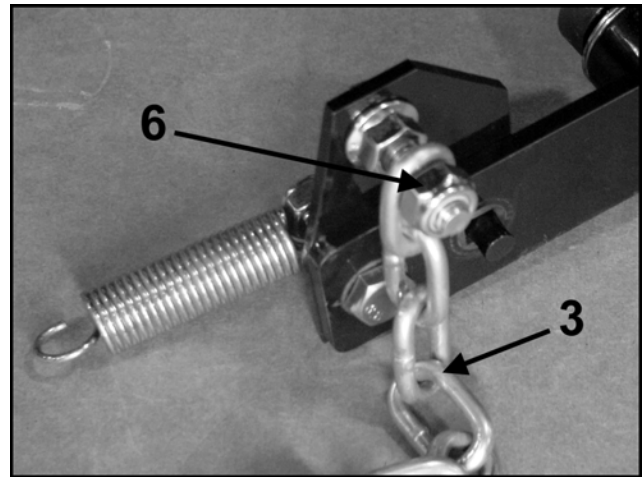
12. Install spring **F** on the bolt installed in Step 11 using (1) M10-1.5 nylock nut **6** supplied in kit. Tighten onto bolt until (2) threads protrude from the nylon insert as shown.



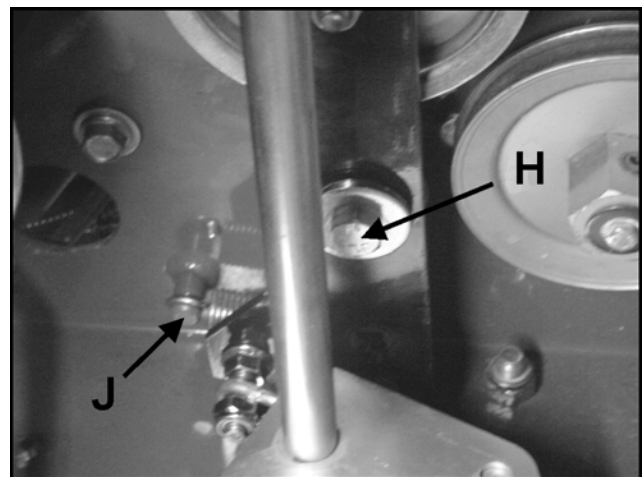
13. Fasten (1) M10-1.50X40 bolt **5** and (1) M10-1.50 whiz nut **4** supplied in kit to the bracket weldment as shown.



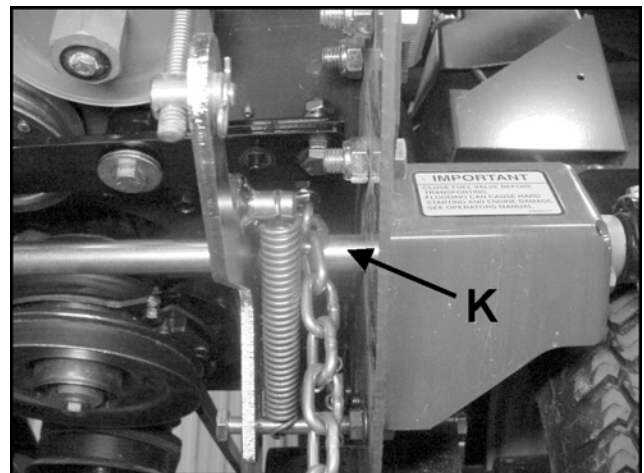
14. Install one end of the chain **3** onto the bolt using (1) M10-1.5 nylock nut **6** supplied in kit. Tighten nut onto the bolt until (2) threads protrude from the nylon insert as shown.



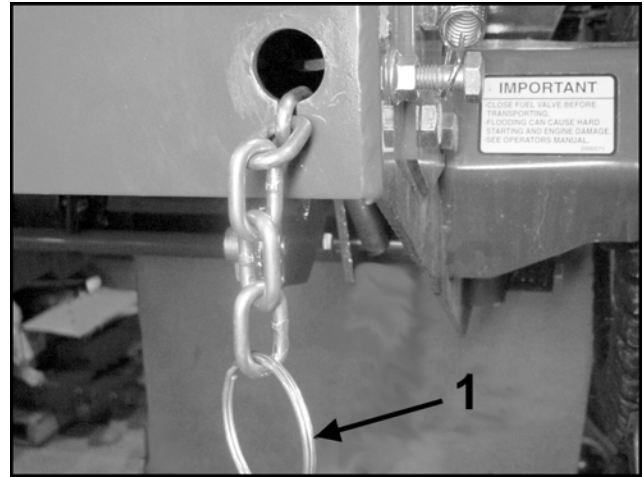
15. Install the idler arm to the engine deck using the fasteners **H** removed in Step 8.
16. Attach idler spring to pin **J** on engine deck.



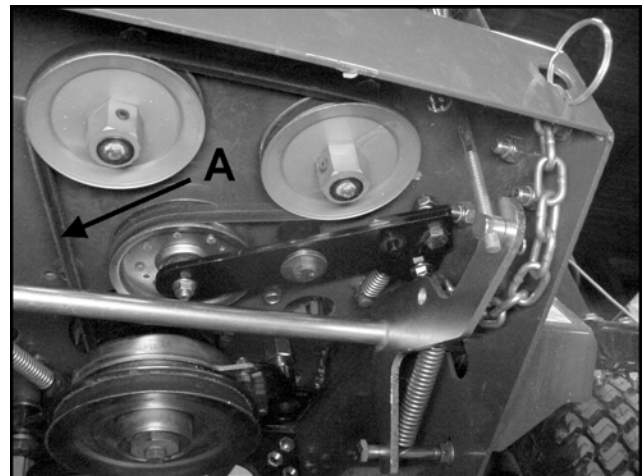
17. Route chain over top of the brake shaft **K** and insert through the hole, cut in the rear of the engine deck in Step 4.



18. Install the grab ring **1** on the last link of the chain.
19. Pull the chain through the hole and lock in slot with (4) links protruding from rear of the engine deck as shown.

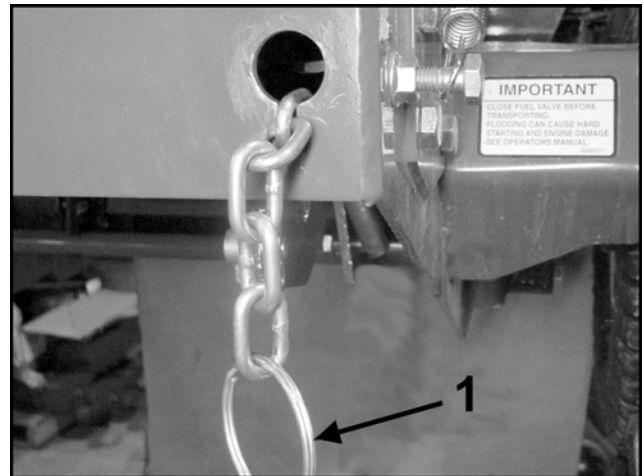


20. Reinstall the drive belt **A** on the pump pulleys.
21. Release the chain from the slot at the rear of the engine deck as shown.



To operate for cold starting situations:

1. Set speed control to neutral.
2. Set traction locks in neutral.
3. Engage parking brake.
4. Apply choke on units with integrated throttle/choke. For units with a separate choke control, apply choke and set to half throttle.
5. Pull chain through hole using ring **1** at rear of engine deck and lock in the slot with (4) links protruding from the rear of the engine deck as shown.
6. Start the engine and gradually decrease the choke until the engine will run with no choke at all.
7. Slowly release the chain from the slot at the rear of the engine deck and allow all links to fall back inside of the hole.

**KIT PARTS LIST**

ITEM	PART NO.	DESCRIPTION	QTY
1	4114887	RING-SPLIT	1
2	4114888.7	WLDMT-BRKT	1
3	158001-02	CHAIN-11.5 LG PLATED	1
4	64246-03	NUT-WHIZ M10-1.50	2
5	64205-011	BLT-MET M10-1.50 X 40	2
6	64237-03	LCKNT-NYLON M10-1.5	2

