



Release Date: 01/30/2020
Revision Number: 00
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Implement Winch Installation AT-9061

Document Number	Kit Number / Part Number	Model	Serial Number Range
12-70036	AT-9061	520M / 520Y	All Units

⚠ WARNING

Before making repairs or adjustments set the parking brake, turn off the engine, and remove the ignition key.
Always disconnect the negative battery cable from the battery when working with electrical components. Always work in a manner that does not put safety at risk!

Installation Time (estimated) 30 minutes

Tools Required: 9/16" wrench, 9/16" socket, 3/4" wrench, 3/4" socket, Ratchet, Torque wrench

The Tilmor implement winch is designed to assist the operator in lifting implements to be mounted on the mid mount hitch. The maximum capacity of the implement winch is 450 lbs.

⚠ WARNING

Avoid crushing and related injuries. Do not work on, under or around a loaded hoist. Immediately transfer and secure the implement or tool to the tractor. Keep all hands, feet, and other body parts out from under the raised implement or tool until it has been secured to the tractor or placed on the ground.

⚠ CAUTION

The maximum lift capacity of the hoist is 450 lbs (226 kg). Do not exceed the maximum weight limit of the hoist. Exceeding the limit could result in injury or damage to equipment.

⚠ CAUTION

If using an electric drill, do not connect the drill chuck directly to the winch shaft. Attach the drill with 5/8" socket on the hex shaft. To minimize heat build up and possible winch damage, do not exceed 600 RPM.

⚠ WARNING

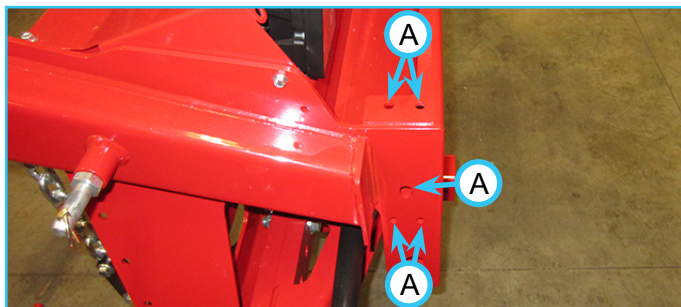
Safety glasses must be worn during installation. Ear (hearing) protection must be worn when using air or power tools.

Installation Notes: Right and left hand orientation referred to in these instructions is determined as if facing forward from the operator station.

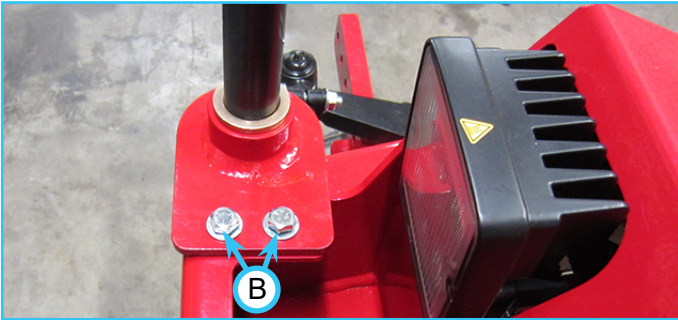
Kit Contents

Part #	Description	Qty.
03-0038	Pin, Safety Snap 3 x 3-1/2"	1
-	Hoist Sleeve Assembly	1
90-0608	Bolt, 3/8-16 USS x 1	2
95-06	Washer, Flat 3/8 SAE	4
99-SF06	Nut, SRF 3/8-16 USS	4
90-0610	Bolt, 3/8-16 USS x 1-1/4	2
90-0826	Bolt, 1/2-13 USS x 3-1/4	1
95-08	Washer, Flat 1/2 SAE	1
99-A08	Locknut, Stover 1/2-13 USS	1
-	Implement Winch Assembly	1
-	Winch, Worm Gear Drive Wrench	1

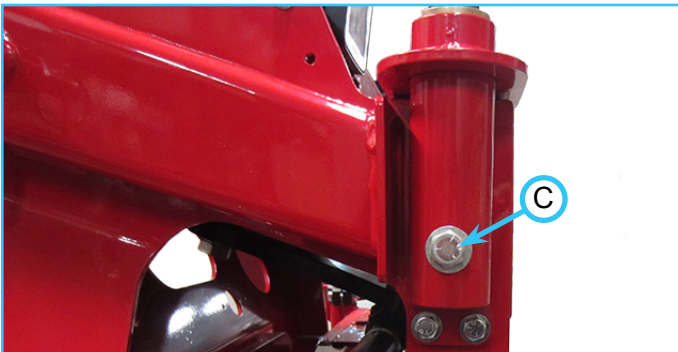
1. Park the tractor on a level surface.
2. Engage the parking brake and shut off the engine.
3. Remove the key from the ignition switch.
4. Locate the mounting holes (A) for the hoist sleeve assembly.



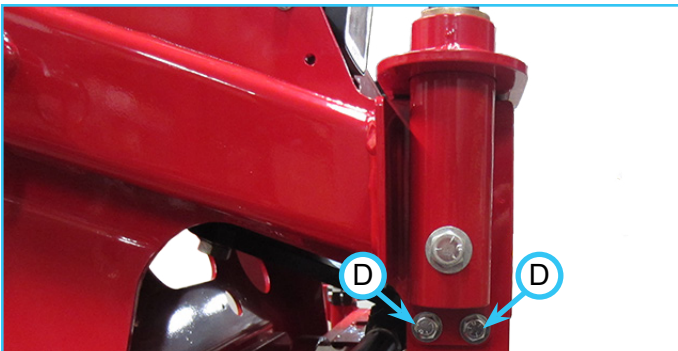
5. Position the hoist sleeve assembly against the tractor frame aligning the mounting holes.
6. Install two 3/8 x 1" bolts (B) through two 3/8" washers, the hoist sleeve, and frame. Secure the bolts in place using two 3/8" locking flange nuts hand tight.



7. Install the 1/2 x 3-1/4" bolt (C) through a 1/2" flat washer, the hoist sleeve tube, and tractor frame. Secure the bolt in place using a 1/2" stover lock nut hand tight.

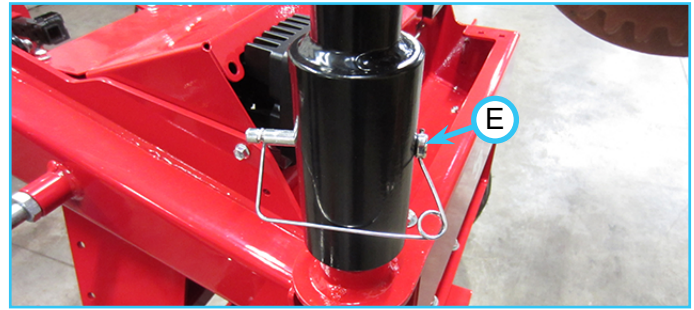


8. Install two 3/8 x 1-1/4" bolts (D) through two 3/8" washers, the hoist sleeve, and frame. Secure the bolts in place using two 3/8" locking flange nuts hand tight.



9. With all of the mounting hardware installed hand tight torque the four 3/8" bolts evenly alternating between mounting bolts to 31 ft-lbs (42 Nm).
10. Torque the 1/2" bolt (C) to 75 ft-lbs (102 Nm).

11. Install the implement hoist onto the hoist pin.
12. Rotate the hoist to align the safety pin hole. Install the safety pin (E) through the hole and secure the pin in place.



13. Rotate the hoist so that it is in line with the frame rail.
14. Loosen the cable using the winch gear drive wrench.
15. Connect the cable to the frame rail and tighten the cable as shown below. This will keep the hoist stable and in position when operating the tractor.



Installation Complete.