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Revision Number: 00

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# Implement Light Kit Installation AT-9046

Document Number	Kit Number / Part Number	Model	Serial Number Range
12-70026	AT-9046	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!

## ⚠ WARNING

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

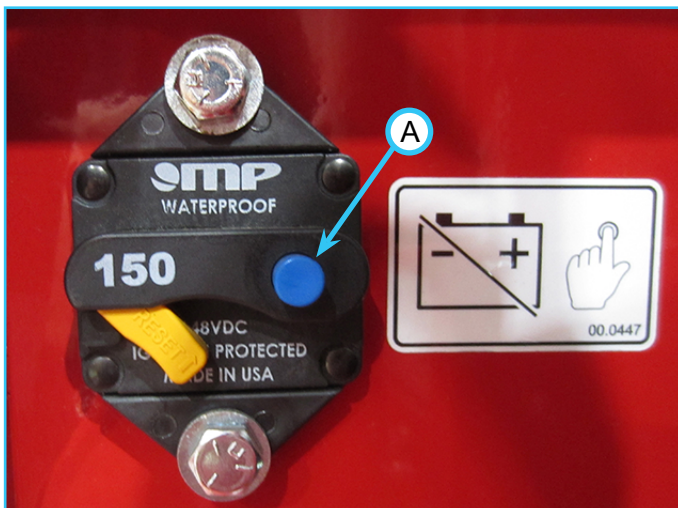
**Installation Notes:** Right and left hand orientation referred to in these instructions is determined as if facing forward from the operator station.

**Installation Time (estimated)** 1.5 hours

**Tools Required:** 3/8" Wrench, 11/32" Wrench, 3/8" Socket, Ratchet, Phillips screw driver, Utility knife

Kit Contents		
Part #	Description	Qty.
30-0333	Fuse, 10 Amp Mini Red	1
31-0053	Switch, Rocker On/Off	1
33-0075	Light, Undercarriage 18.3"	2
99-E0104	Nut, Jam #8-32 Nylon Lock	4
99-K0173	Machine Screw, #8-32 x 1-1/4	4

1. Install the front wiring harness in accordance with the Front Chassis Wiring Harness Installation instructions (Document # 12-70033).
2. Disconnect the electrical power to the tractor by pushing the circuit breaker button (A).



3. Pull the front implement light branch of the tractor wiring harness through the access holes on each side of the frame.



4. Remove the caps from the wiring harness.

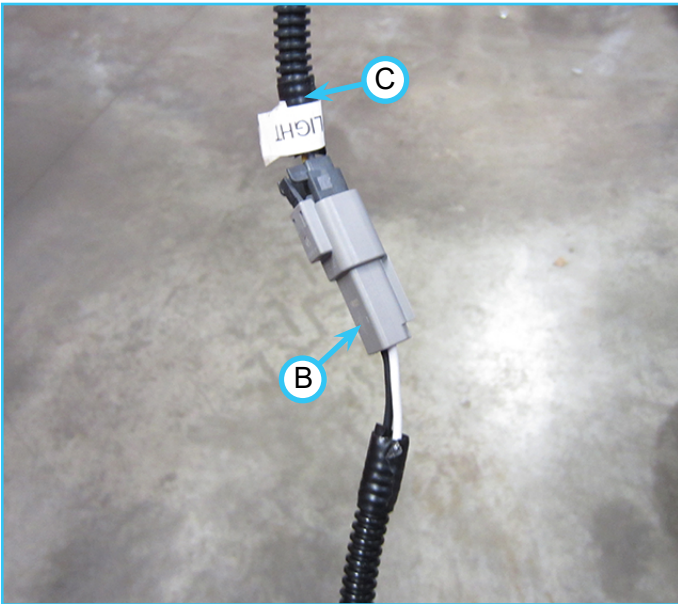
5. Install the spacer (A) onto the end of the implement light with the harness. Ensure that the harness runs along the back side of the implement light as shown.



### Attention

Ensure that the LED lights of the implement light are towards the ground before installing the implement lights.

6. Connect the implement light wiring harness (B) to the tractor wiring harness (C).



7. Position the cultivation light on the frame aligning the mounting holes.
8. Install the 8-32 x 1-1/4" machine screw through the implement light, spacer, and into the frame.
9. Secure the screw in place with the 8-32 nylon lock nut hand tight.
10. Install the spacer onto the other end of the implement light.
11. Install the 8-32 x 1-1/4" machine screw through the implement light, spacer, and into the frame.

12. Secure the screw in place with the 8-32 nylon lock nut hand tight.
13. Ensure that any excess wiring harness is routed into the frame before tightening the screws and locknuts.

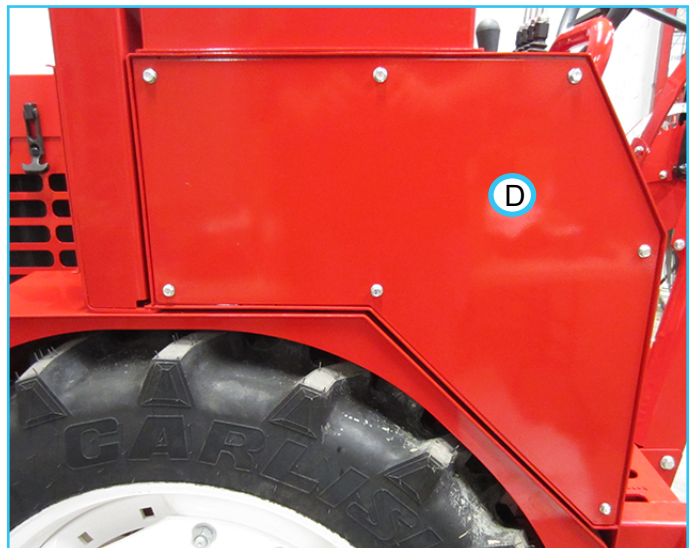
### CAUTION

Do not over tighten the screw and locknut. Over tightening may result in damage to the implement light or spacer.

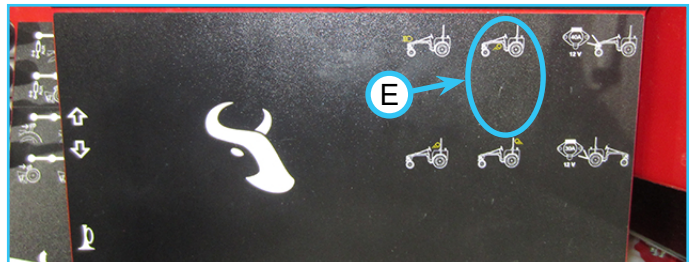
14. Tighten the locknut to secure the light in place.



15. Install the other implement light to the other side of the frame in the same manner.
16. Remove the console cover (D) by removing the seven 1/4" bolts located around the perimeter of the cover.



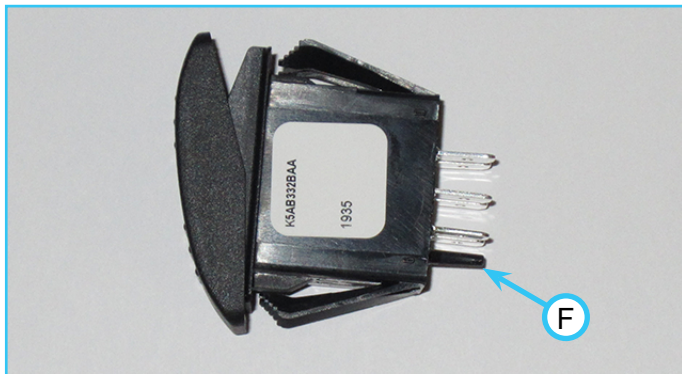
17. Locate the implement light switch position (E) on the operators console.



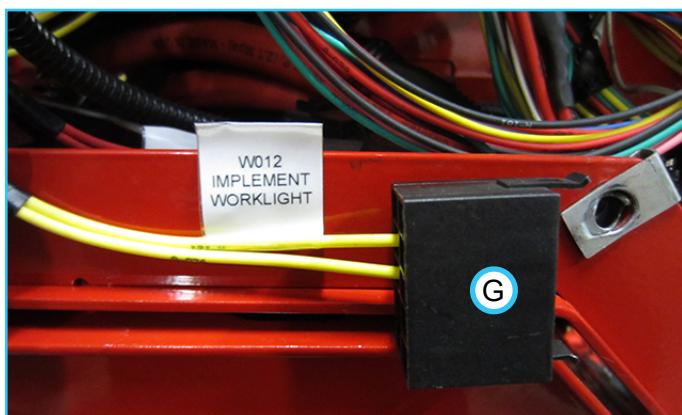
18. Using a utility knife cut out a square opening in the decal for the rocker switch.



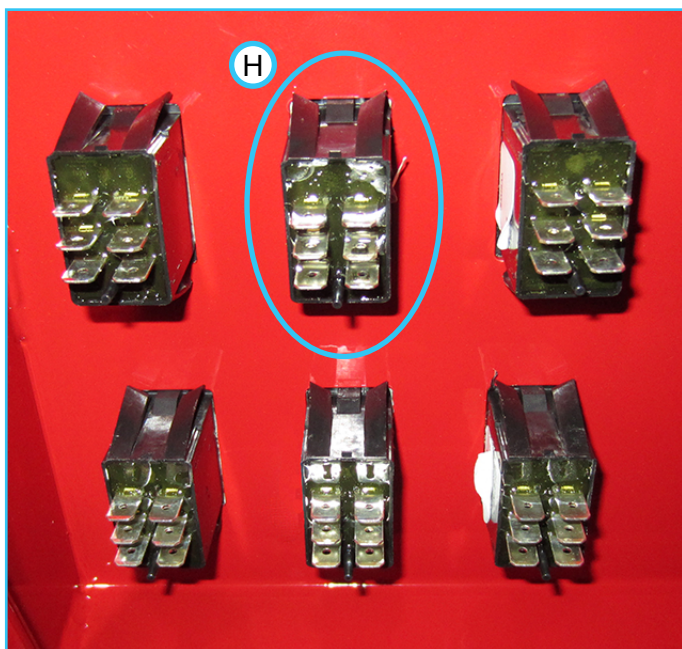
19. Install the rocker switch into the operators console with the locating pin (F) toward the bottom of the console.



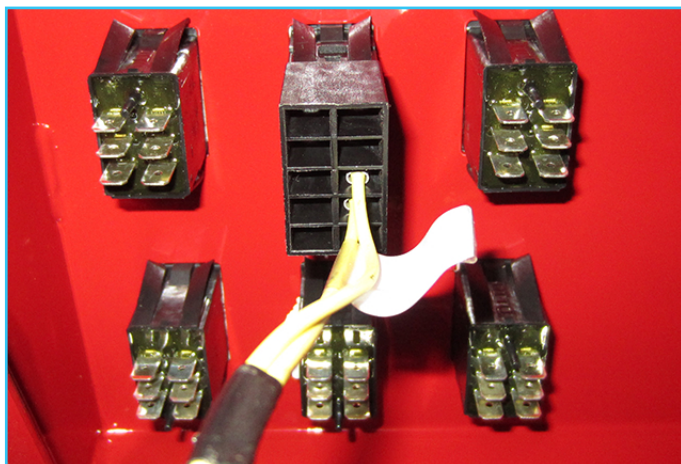
20. Locate the wiring harness connector labeled W012 Implement Work Light (G) in the operators console.



21. Locate the implement light rocker switch (H) inside the console.



22. Connect the W012 Implement Work Light connector to the rocker switch as shown below.



23. Install the console cover (I).



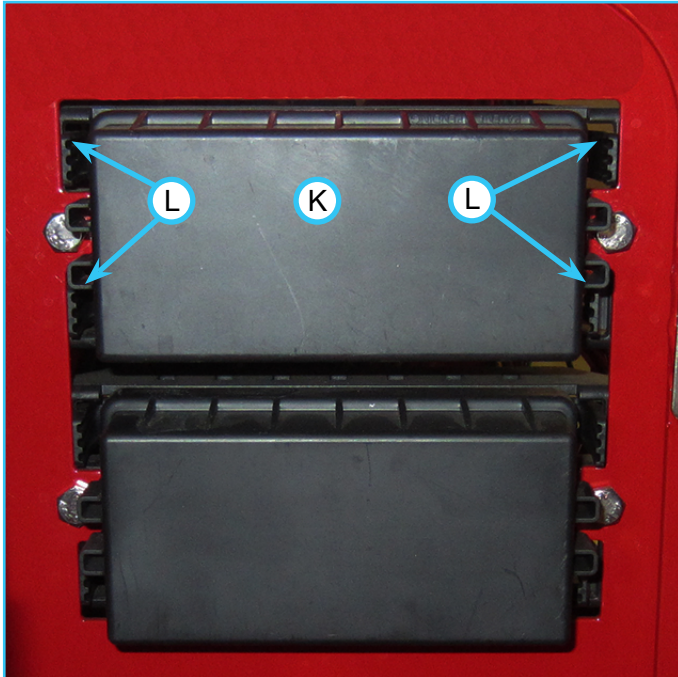
24. Secure the console cover in place using the seven 1/4" bolts removed in step 16 of this procedure.

25. Torque the 1/4" bolts to 100 in-lbs (11 Nm).

26. Open the fuse panel access door (J).



27. Remove the upper fuse block cover (K) by squeezing the four black plastic tabs (L) toward the cover, and pulling the cover off.



29. Install the 10 amp mini fuse in terminal F14 (Worklight Front / Impl).



30. Install the upper fuse block cover.

31. Close and secure the fuse panel access door.

**Installation Complete**

28. Reference the fuse block diagram, located on the inside of the fuse panel access door for the installation location of the 10 amp mini fuse.

