

Front Chassis Wiring Harness Installation

AT-9084

Document Number	Kit Number / Part Number	Model	Serial Number Range
12-70033	AT-9084	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.

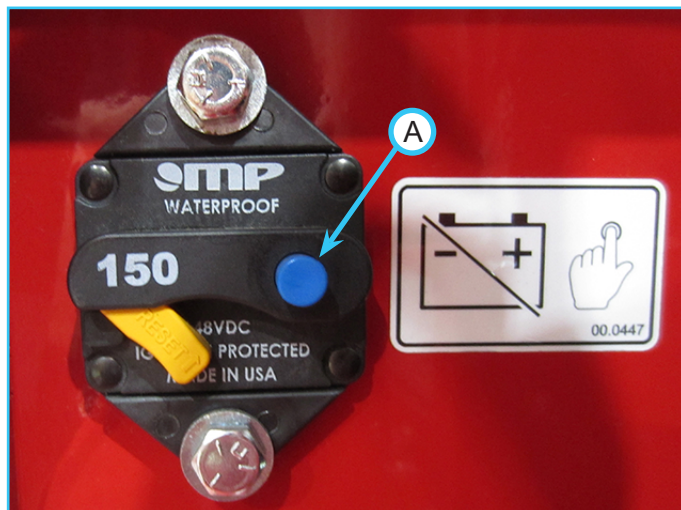
Installation Notes: Right and left hand orientation referred to in these instructions is determined as if facing forward from the operator station.

Installation Time (estimated) 1 hours

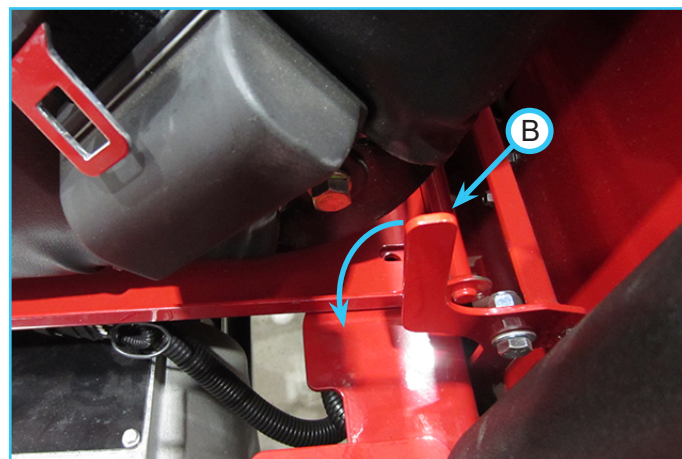
Tools Required: 7/16" wrench, 3/8" wrench, 9/16" wrench, 7/16" socket, 9/16" socket, Ratchet, Torque Wrench, Side Cutters

Kit Contents		
Part #	Description	Qty.
32-0179	Harness, Wire AT Front	1
30-0204	Tyton Tie #50 .190 x 12"	3
11-0046	Clamp, Cushioned 1/2" 2-Tube	1

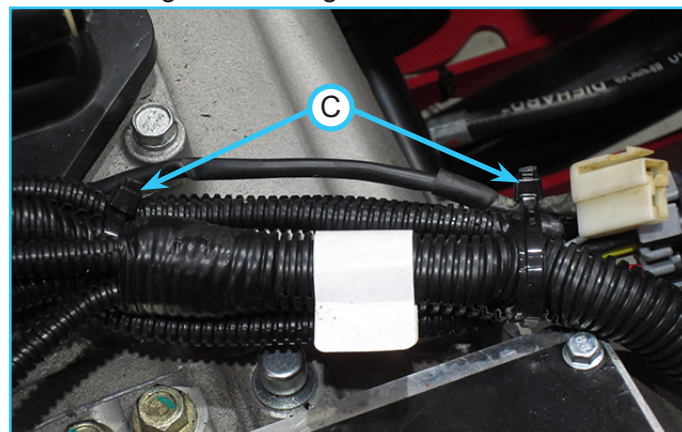
1. Disconnect the electrical power to the tractor by pushing the circuit breaker button (A).



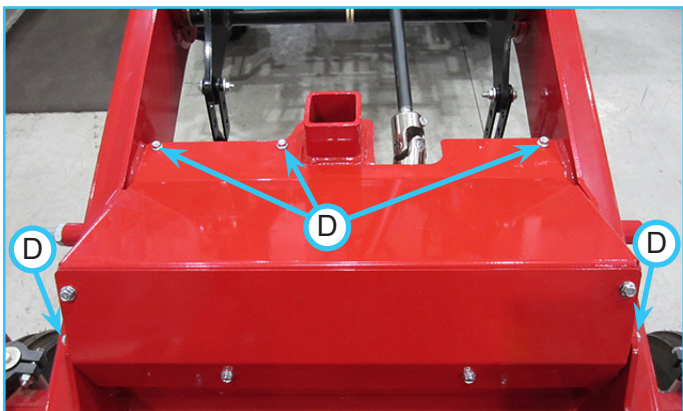
2. Tilt the operators seat forward by pushing the seat latch handle (B) downward while pulling the seat back forward.



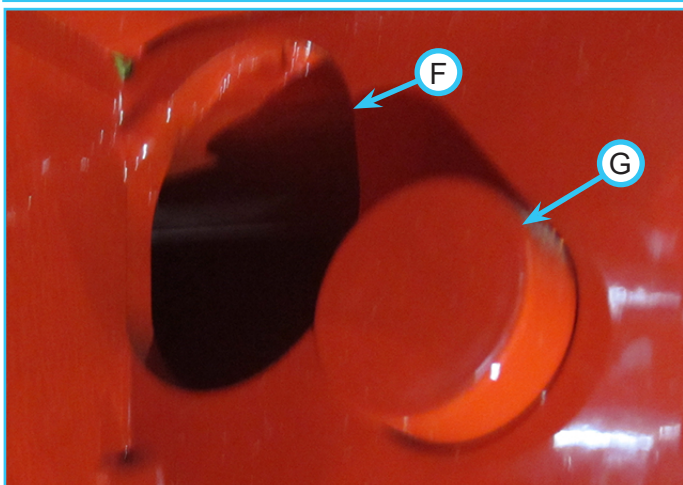
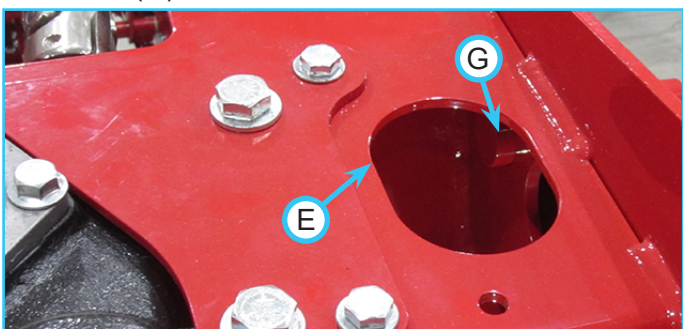
3. Remove the cable ties (C) that bundle the tractor wiring harness together.



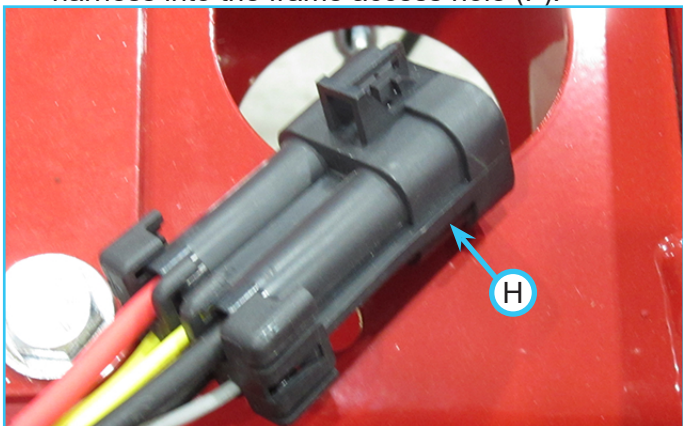
4. Remove the front headlight cover by removing the five 1/4" bolts (D).



5. Inside the frame access hole (E), there is a smaller access hole (F) located above the hitch brace (G).



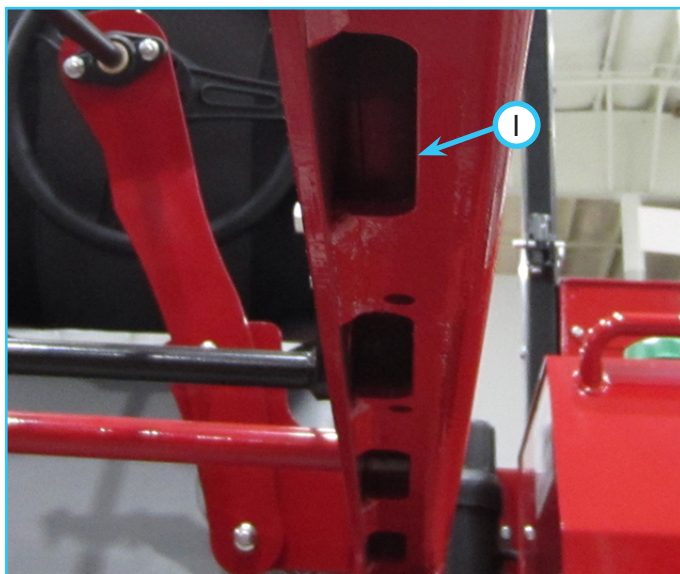
6. Insert the main connector (H) of the front wiring harness into the frame access hole (F).



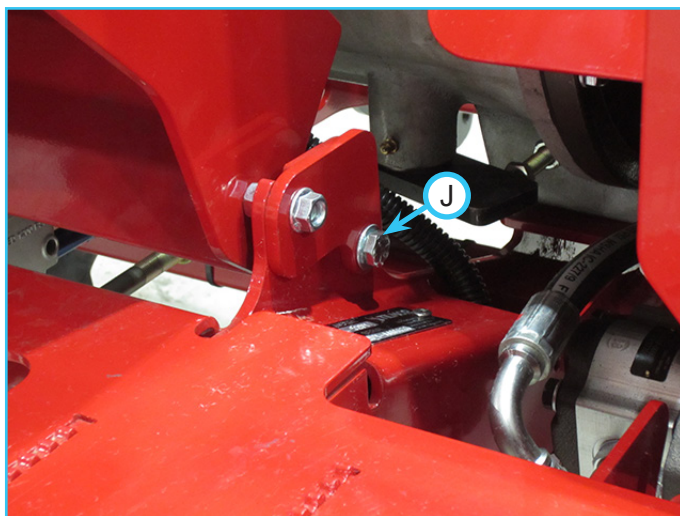
⚠ CAUTION

Use care when routing the wiring harness through the frame. Using excess force to pull the harness through the frame could cause damage to the harness.

7. Route the harness through the frame. Use the cutouts (I) in the bottom of the frame to assist in routing the harness. As the harness is routed through the frame ensure that the branches of the harness are in the proper locations.

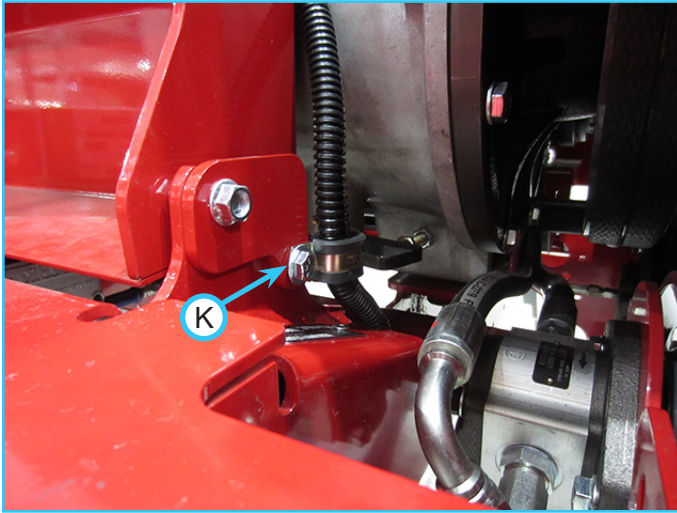


8. Route the harness through the frame under the operators platform.
9. The harness should exit the frame just below the front side of the transmission, behind the serial number plate.
10. Remove the 3/8" bolt (J) and washer from the seat riser lock.



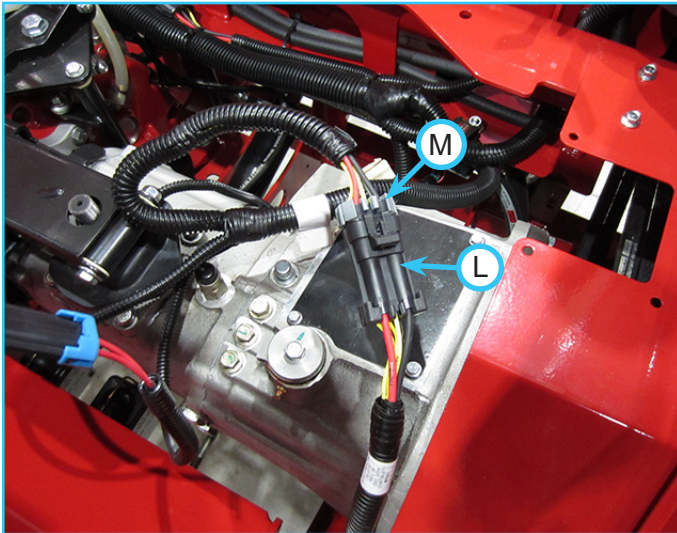
11. Install the cushioned clamp over the wiring harness.

12. Position the 3/8" bolt (K) and washer through the cushioned clamp. Install the bolt through the seat riser lock.



13. Secure the 3/8" bolt in place with the 3/8" flange nut. Torque the 3/8" bolt and nut to 31 ft-lbs (42 Nm).

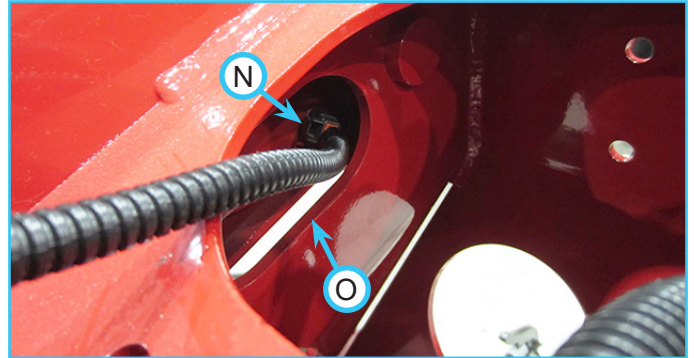
14. Connect the main front harness connector (L) to the tractor harness connector (M).



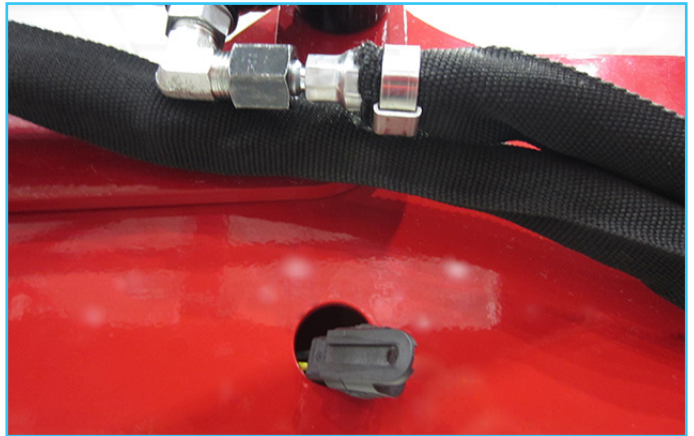
15. Bundle the wiring harnesses together neatly on top of the transmission and secure in place with cable ties.



16. Return the seat to the operational position. Ensure that the seat is locked securely in place.
17. Route the cultivation light branch (N) of the front wiring harness through the frame access hole (O).



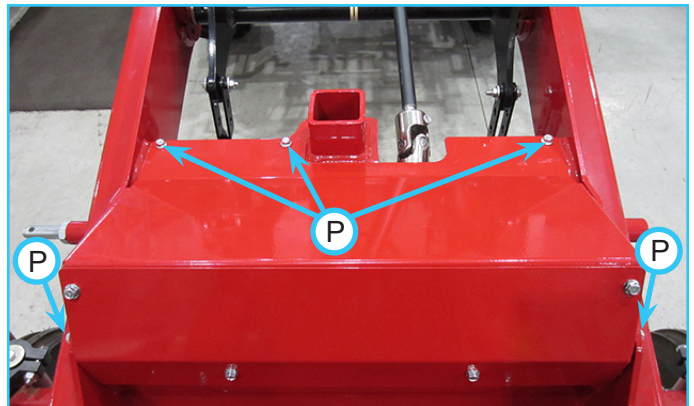
18. Route the harness through the frame to the harness access hole located under the front hitch hydraulic cylinder.



Attention

If the road package kit will be installed, reference the road package kit instructions before continuing with these instructions.

19. Position the headlight cover aligning the mounting holes.
20. Secure the headlight cover in place using the five 1/4" mounting bolts (P).



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