

ELECTRIC WIPER INSTALLATION

PROCEDURE FOR COVER MY TRACTOR -- TRACTOR CABS



BEFORE YOU PROCEED... It is very important that you follow these instructions for a proper fit and operation of your wiper. If you have any questions about installation please contact customer service at (904) 316-0532 or (904) 394-0706. Visit our website for installation and instructional videos: CoverMyTractor.com

⚠ TO AVOID PERSONAL INJURY:

- ▲ Position and secure the tractor on level ground
- ▲ Place loader bucket flat on ground (if equipped)
- ▲ Apply parking brake
- ▲ Shut off engine and Remove Key

TOOLS REQUIRED:

(1) Drill



Drill Bits



- (1) 3/8" Drill Bit
- (1) 3/16" Drill Bit
- (1) 5/16" Drill Bit

Pliers

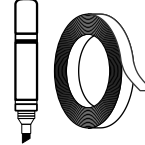


TOOLS RECOMMENDED:

Phillips Head Screw Driver



Marker &/or Tape

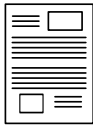


Eye Protection



PARTS LIST IN YOUR KIT:

#A - Instructions



#B - 15 inch tie wraps (Qty. 12)



#C - 1/4" black nylon clamp (Qty. 2)



#D - #10-24 X 5/8" bolt (Qty. 4)



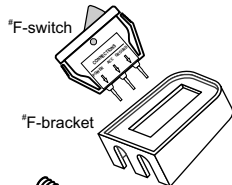
2 for clamps

#E - 10-24 nylon lock nut (Qty. 4)

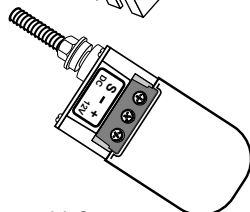


2 for switch bracket

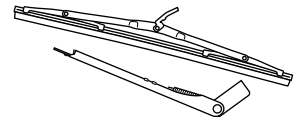
#F - 12V DC rocker switch and bracket (Qty. 1)



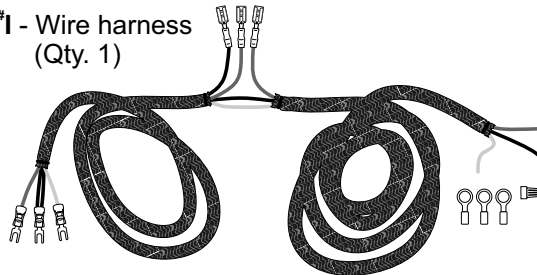
#G - 12V DC motor assembly (Qty. 1)



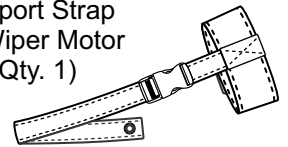
#H - 14" wiper blade & arm (Qty. 1)



#I - Wire harness (Qty. 1)



#J - Support Strap for Wiper Motor (Qty. 1)



#K - Bolt 10-24 X 1" (Extra Qty. 1) & nut 10-24 (Extra Qty. 1)



#L - 1/4 - 20 X 1" bolt (Qty. 1)



#M - 1/4 - 20 flat washers 18-8 SS (Qty. 2)



#N - 1/4 - 20 nylon lock nut 18-8 SS (Qty. 1)



for strap

vCard
Contact Information

Scan the QR code to add us to your address book.

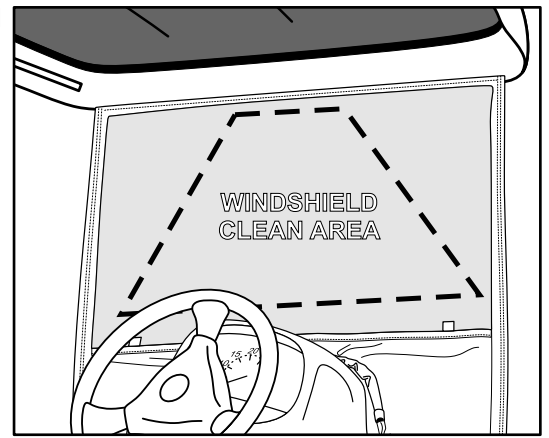


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STEP 1 ASSESS THE INSTALL AREA:

The tractor cab should already be installed. Sit in the seat of your tractor and identify the area of the front windshield that you want kept clean by the wiper. Layout the wiring harness (Part #1) to get a rough idea of its routing and where you will place the switch.

Illustration 1



STEP 2

ASSEMBLE WIPER AND DRILL HOLE:

Assemble the wiper arm and wiper blade (Parts #H) together as in Figure 2. Place the two assembled parts against the windshield and locate the hole for the wiper motor as in Illustration 2. Using a marker, or piece of masking or painters tape, mark the proper location to drill a hole and drill a 3/8" hole through the polycarbonate windshield.

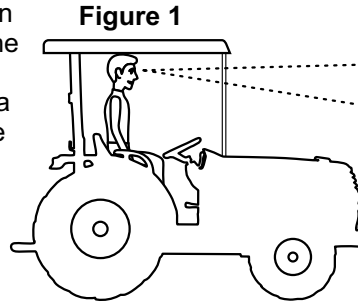


Figure 1

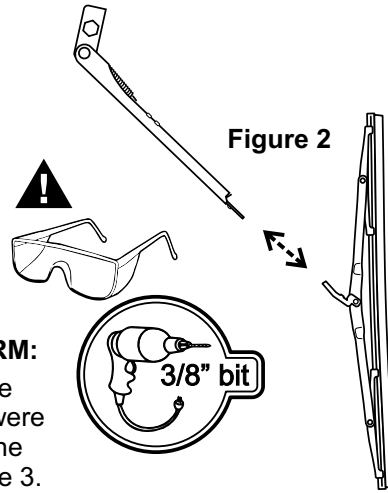


Figure 2

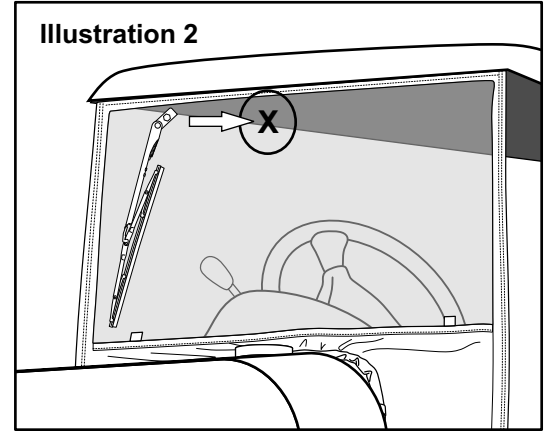


Illustration 2

STEP 3 MOUNT MOTOR AND ARM:

Remove any taped protective coating from the polycarbonate (windshield) where the holes were drilled. Insert the wiper motor (Part #G) into the support strap (Part #J) and secure as in Figure 3. Mount the wiper motor shaft through the hole with hardware supplied as shown in Illustration 3. Attach the wiper arm onto the motor and tighten with bolt.

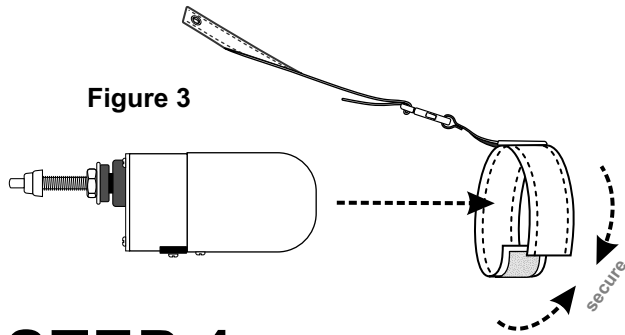


Figure 3

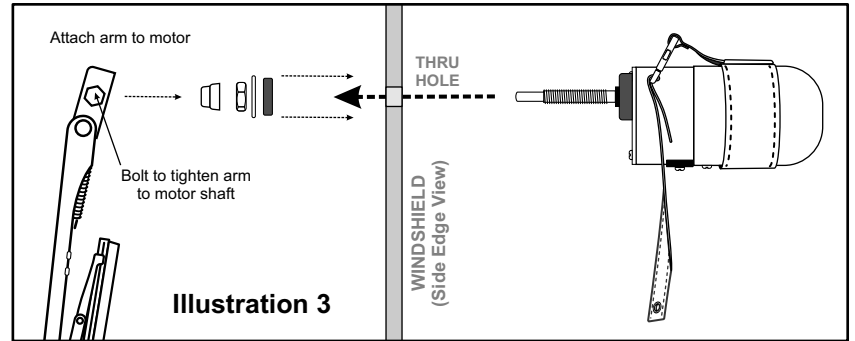
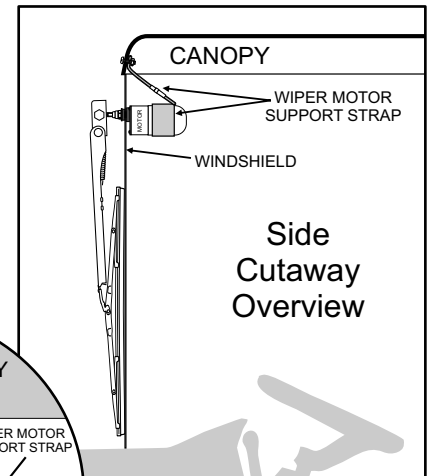


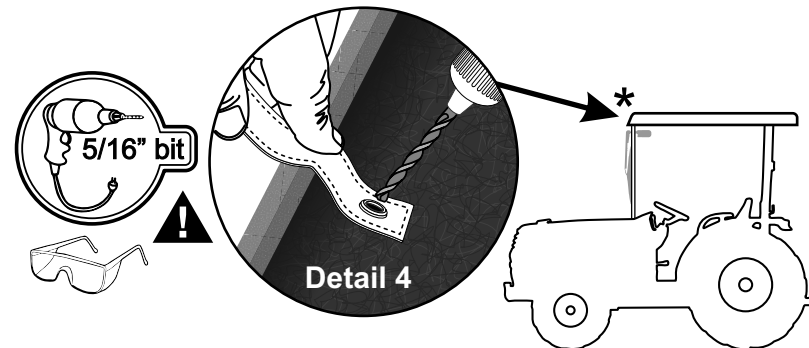
Illustration 3

STEP 4 INSTALL STRAP:

Adjust the strap using the buckle so it aligns with the *forward edge of the canopy and drill a 5/16" hole into the canopy (Detail 4). Mount the strap to the canopy using the 1/4 - 20 X 1" bolt and nut through the straps grommet hole and into the hole you just drilled through the canopy as in Illustration 4. Tighten the strap to help support the weight of the wiper motor. You may cut the end of any unneeded excess strap and burn to prevent fraying.



Side Cutaway Overview



Detail 4

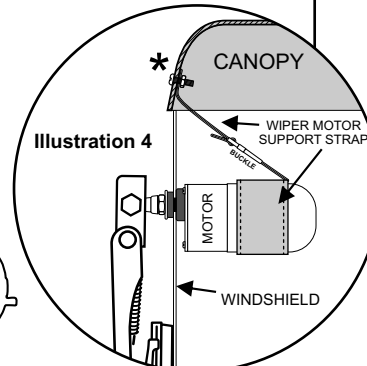
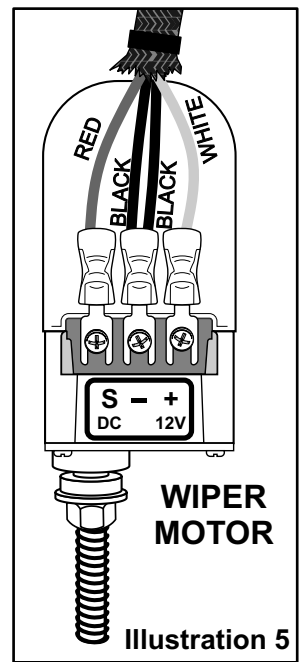


Illustration 4

STEP 5 CONNECT HARNESS TO MOTOR:

Pull out wire harness (Part #I) and assemble the open ended connectors to the wiper motor terminals. White to (+) positive, Red to (S) Accessory, and Black to (-) negative, make sure the screws are tightened on the wiper motor. (See Illustration 5)



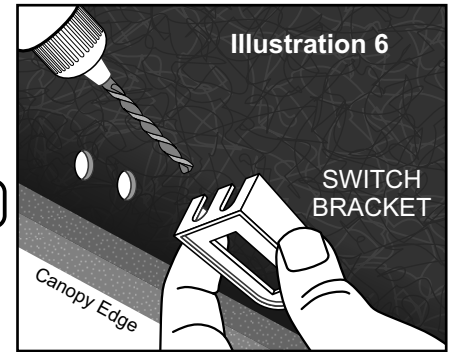
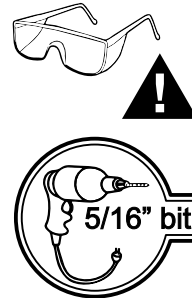
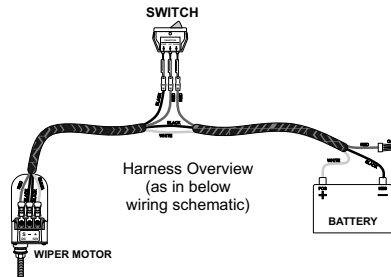
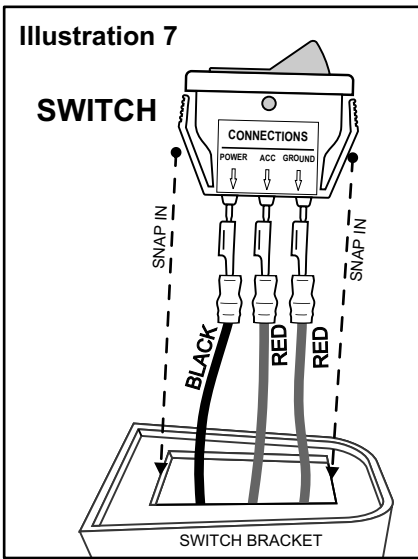
STEP 6 INSTALL THE SWITCH (Part #F):

Each install is unique and there may be personal preferences to installing the switch. The following is a default installation suitable for most configurations, as seen in Figure 11. Doing a rough layout prior to alterations is good preliminary planning.

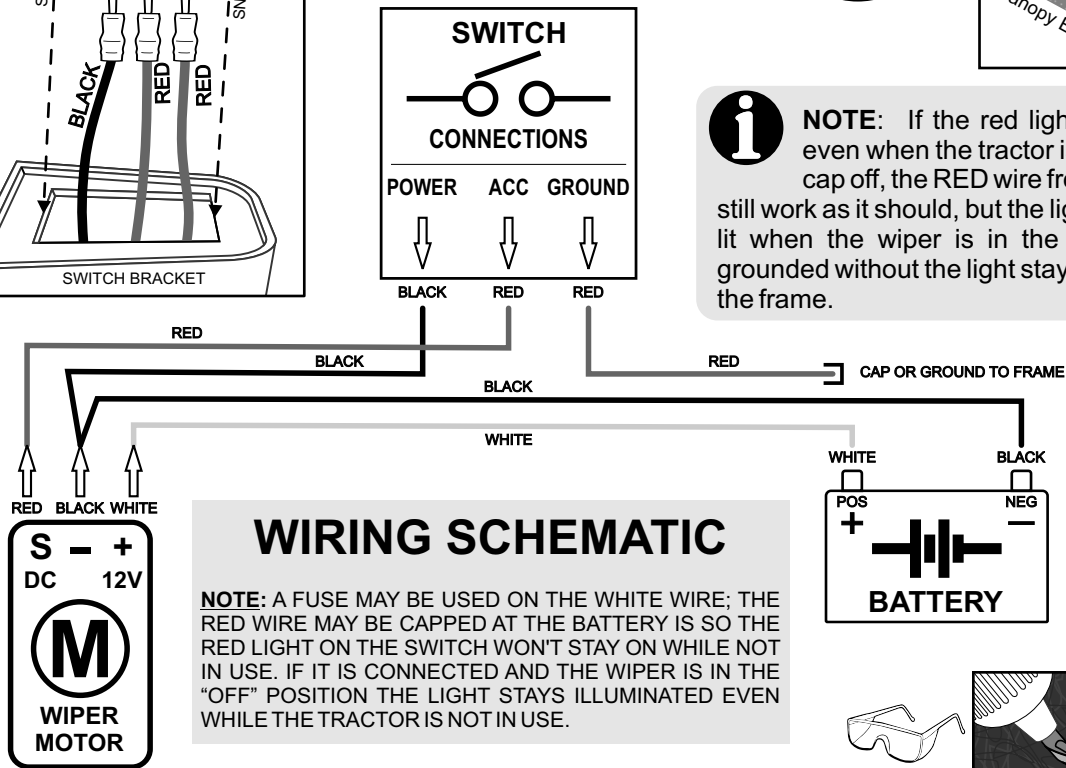
Find the best location that is close to the strap and drill two 5/16" holes through the canopy, using the switch bracket (Part #F) as a guide to drill the two holes. Using the 10-24 X 1" bolts and nuts mount the switch bracket to the canopy with the electrical wires accessible through the switch bracket. Reference Illustration 6.

STEP 7 WIRE THE SWITCH:

Connect the wire terminals to the switch as follows; RED wire from the wiper motor connects to ACC, RED wire from the battery connects to GROUND, and BLACK wire connects to POWER. Snap the switch into the switch bracket. (See Illustration 7 and Wiring Schematic)

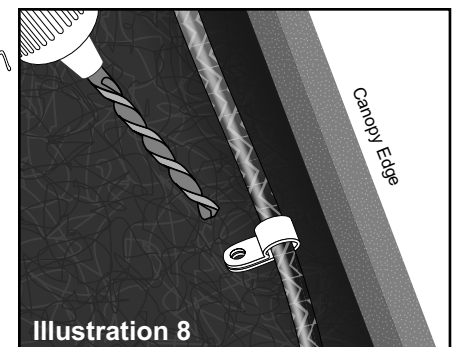


NOTE: If the red light from the switch stays on, even when the tractor is turned off, disconnect, and cap off, the RED wire from the battery. The wiper will still work as it should, but the light on the switch will not stay lit when the wiper is in the OFF position. If it can be grounded without the light staying on, it can be grounded to the frame.



STEP 8 ROUTE THE WIRING:

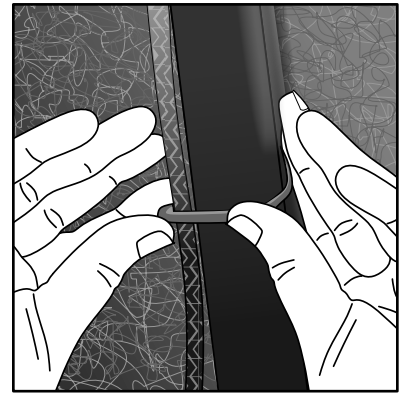
Using the black plastic clamps (Part #C), route the wire along the front edge of the canopy and attach the wire in strategic locations using the two clamps and 10-24 bolts and nuts, after you drill a 3/16" hole into the canopy (See Illustration 8). Route the wire until it aligns with the square tubing which supports the canopy.



STEP 9 ROUTE THE WIRE ALONG TUBING:

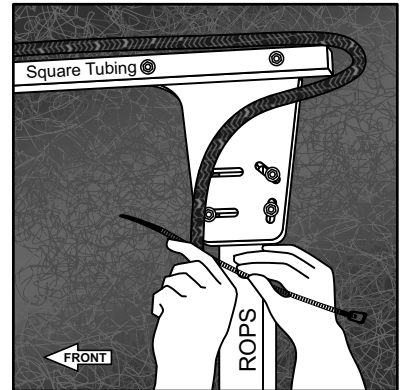
Run the wiring harness along the square tubing canopy supports and mount with the tie wraps supplied (Part #B) until you get to the bracket mounts mounted to the ROP's, as seen in Illustration 8 (also reference Illustration 10).

Illustration 9



STEP 10 AFFIX WIRE TO ROPS:

Track the wire along the outside of the bracket mounts and ROPS and affix using the tie wraps (Part #B). See Illustration 10.



STEP 11 ROUTE WIRING TO CHASSIS:

Find a good location to route the wire under the chassis and routing the wire harness forward towards the battery location in the engine compartment. Use the tie wraps to strap the wire harness along the frame of the tractor until you get the wire harness to the battery or alternator. (alternative power source like lights can be used if you know how to wire properly). See Figure 11. NOTE: routing may be different than pictured as each tractor installation is unique.

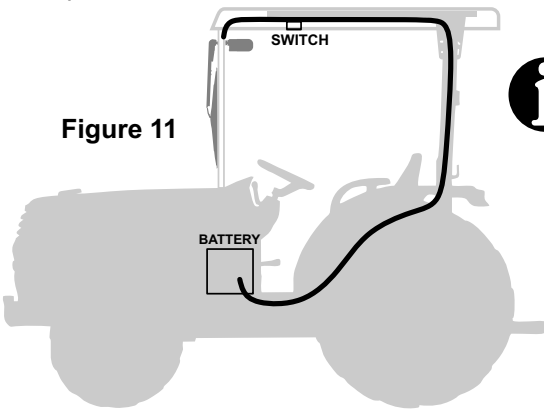


Figure 11



ROUTING MAY BE DIFFERENT THAN PICTURED AS EACH TRACTOR IS NOT THE SAME

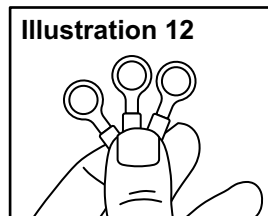
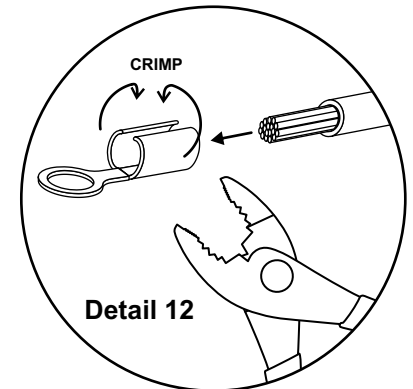


Illustration 12



Detail 12

STEP 12

CONNECT TERMINALS TO POWER SOURCE:

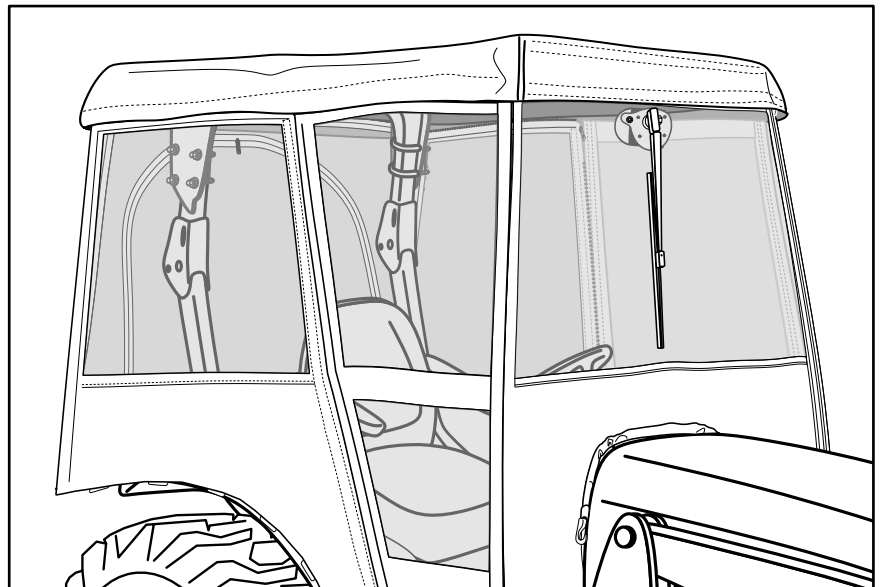
Using the big open holed terminals supplied (as seen in Illustration 12), or the terminals you supply, connect to a power source. Depending on the power source, you may need to supply alternate terminals. If using the terminals supplied with your kit, make sure that you properly crimp the ends onto the stripped ends of the wire as in Detail 12.

FINALLY TEST INSTALLATION:

Turn on the ignition of your tractor and make sure the wiper works properly. If wiper doesn't work, troubleshoot all connections by reviewing the power source crimps to terminals and the terminal attachment at the switch and wiper motor, making sure everything is properly installed.



If installed incorrectly, damage may occur to your wiper motor; Cover My Tractor will not be responsible or held liable for any damages that occur due to improper installation.



Contact our customer service at numbers above or contact your local dealer or electrician to help with the wiring of the system 904-316-0532 or 904-394-0706.