

## V4218B / 77700-V4218B STROBE LIGHT INSTALLATION & OWNER'S MANUAL

For installation on RTV 900, RTV 400 SS, RTV 500 SS, and RTV 1140,  
see pages 1-8.

For installation on F5205, see pages 9-11.

For installation on Excavator KX080-3, see pages 13-15.

For service parts see page 12

The contents of this envelope are the property of the owner.  
Be sure to leave with the owner when installation is complete.

### **STROBE LIGHT INSTALLATION** **BEFORE YOU START**

#### HELPFUL REMINDERS:

- A. Read and understand all instructions before beginning.
- B. This accessory cannot be wired to overhead console V4238.

#### **APPROXIMATE INSTALLATION TIME: 1 HOUR**

#### TOOLS REQUIRED:

3/8" ELECTRIC DRILL  
7/16" DRILL BIT  
1/4" DRILL BIT  
3/32" DRILL BIT  
1-3/8" HOLE SAW  
PLIERS  
3/8" OPEN END WRENCH  
9/16" OPEN END WRENCH  
SILICONE CAULKING

## INSTALLATION ON KUBOTA RTV 900, RTV 400 SS, RTVC 500 SS AND RTV 1140

**NOTE: DO NOT CONNECT THROUGH OVERHEAD CONSOLE V4238 WHEN INSTALLING ON AN RTV 900 OR 1140.** Strobe light must be wired as described below, through the wire harness on the vehicle and the relay provided.

NOTE: The strobe light can be wired through the console on the F-Series cab and also on the RTV 500 SS cab.

### **MOUNTING THE STROBE LIGHT**

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- A. For the **RTV 900**, the recommended location is as follows: the center of the strobe light is to be centered left to right on the roof and 14" in front of the two, top, rear "U" bolts. This puts the front of the strobe light just behind the front bend in the roof.
- B. For the **RTV 1140**, the recommended location is that the center of the strobe light be centered left to right on the front roof and four inches in front of the bend at the rear of the front roof. If a rear cab is installed, an alternate location would be on the rear roof, centered left to right, and 4" behind the rear edge of the front roof.
- C. For the **RTV 400 SS and RTV 500 SS**, the recommended location is centered left to right on the roof and 8" behind the center roof bolt. The strobe should be positioned just in front of the intersection of the two bends that make an x across the roof for stiffness.
- D. Drill one 7/16" hole where the center of the strobe light will be (this is for the wires). Drill two 1/4" holes 4" apart centered around the 7/16" hole (these are for the mounting bolts). Install rubber grommet in the center 7/16" hole. Run wires through grommet and fasten the strobe light to the roof.

**Note:** A silicone caulking is recommended to seal holes when drilling through the roof.

### **MOUNTING THE TOGGLE SWITCH**

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- A. The toggle switch can be installed to the right of the steering wheel on the lower portion of the dash. If this location is desirable, you may discard the mounting bracket and drill a 7/16" hole in the dash and secure the toggle switch with the hex nut behind the dash panel and the threaded, knurled ring on the front side of the dash panel. **CAUTION: check clearance behind dash before drilling to avoid damage.** An alternate location could be above the windshield on the metal windshield support. If this location is desirable, use the mounting bracket and drill two 3/32" dia. holes through the metal windshield support. Secure the mounting bracket using the two sheet metal screws provided.

## ELECTRICAL CONNECTIONS (RTV-900 ONLY)

- A. To prepare the wire harness that is on the vehicle, cut the blue tape that is securing the harness plug (see Fig. 1). Connect the plug to the relay supplied in the wiring kit and selecting one of the mounting holes (see Fig. 2), fasten the relay alongside the other relays using the 1/4-20 thread cutting screw provided (see Fig. 3). NOTE: relay is required for power to wires shown in Fig. 4.
- B. As shown on page 6, crimp a male bullet connector onto the red wire from the strobe light and then connect it to the supplied red wire with the female bullet connector. Cut the wire to a suitable length to reach the toggle switch location. Crimp a female spade connector on and connect it to the toggle switch. Cut another appropriate length of red wire to reach from the toggle switch to the positive fused wire from the vehicle (red wire with yellow stripe) (see Fig. 4 below). For access to this female bullet connector, lift the dump bed and locate it behind the driver's seat. Crimp on a female spade connector and a male bullet connector and make the connection from the toggle switch to the positive fused wire from the vehicle (red wire with yellow stripe) (see Fig. 4). Crimp a male bullet connector onto the black wire from the strobe light. Crimp a female bullet connector onto the bare end of the long, black, supplied wire and make the connection from the black wire on the strobe light to the negative wire from the vehicle (also a black wire) (see Fig. 4). NOTE: this negative wire from the vehicle (with the male bullet connector) is also located behind the driver's seat, next to the positive fused wire mentioned above.
- C. Test toggle switch to ensure connections are complete before tucking the wires into loom and securing along edges with wire ties and loom clamps (out of harms way).

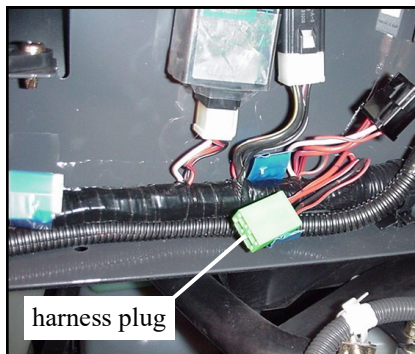


Fig. 1

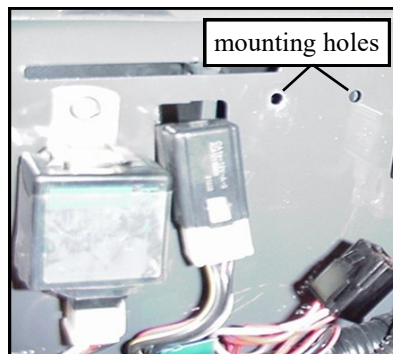


Fig. 2

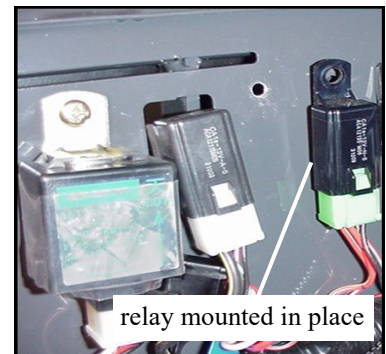


Fig. 3

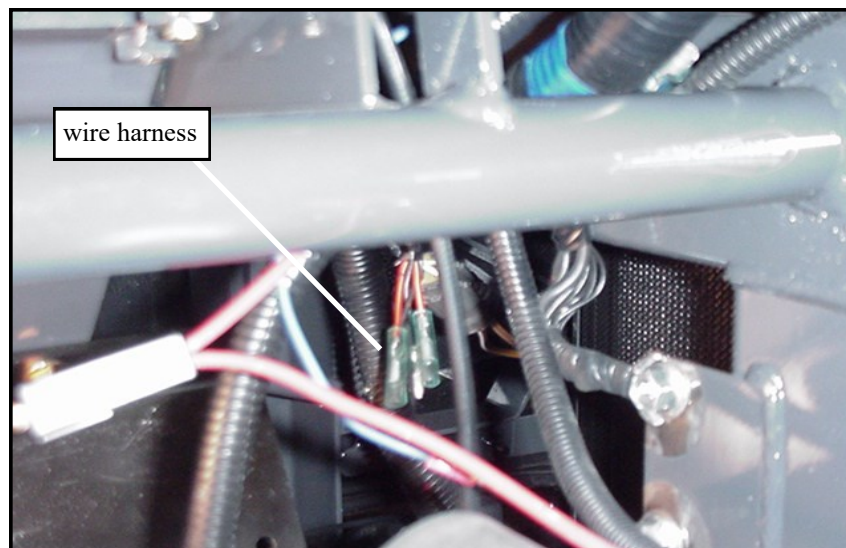


Fig. 4

## ELECTRICAL CONNECTIONS (RTV-1140 ONLY)

- A. As shown on page 6, crimp a male bullet connector onto the red and black wires from the strobe light and then connect them to the supplied red and black wires with the female bullet connectors.
- B. Route the wires along the right side roll bar tube that runs to the front of the roll bar, down the right side of the front roll bar, through the rubber boot to the under hood area.
- C. Route the red wire to the toggle switch, cut to length and install a female push-on connector. Attach to toggle switch. Crimp a female push-on connector to one of the remaining red wires and attach to other terminal on toggle switch.
- D. Route both red and black wires under the vehicle toward the battery compartment area, which is located on the right side under the rear seat. Per fig. 5, crimp male bullet connectors to the end of the harness and attach the last accessory harness, which already has female bullet connector installed. Continue this harness along the underside of the vehicle until it reaches the battery compartment.
- E. Per figure 6, cut the wires to length. Crimp a female bullet connector onto the black wire and a male bullet connector onto the red wire. Attach the black wire to the black wire of the vehicle harness and the red wire to the red wire with the yellow stripe.
- F. Test toggle switch to ensure connections are complete.
- G. Cover wire(s) in split loom. Secure to roll bar and under vehicle with wire ties provided.

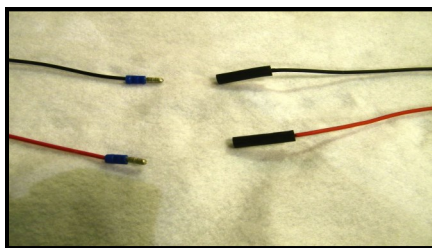


Fig. 5

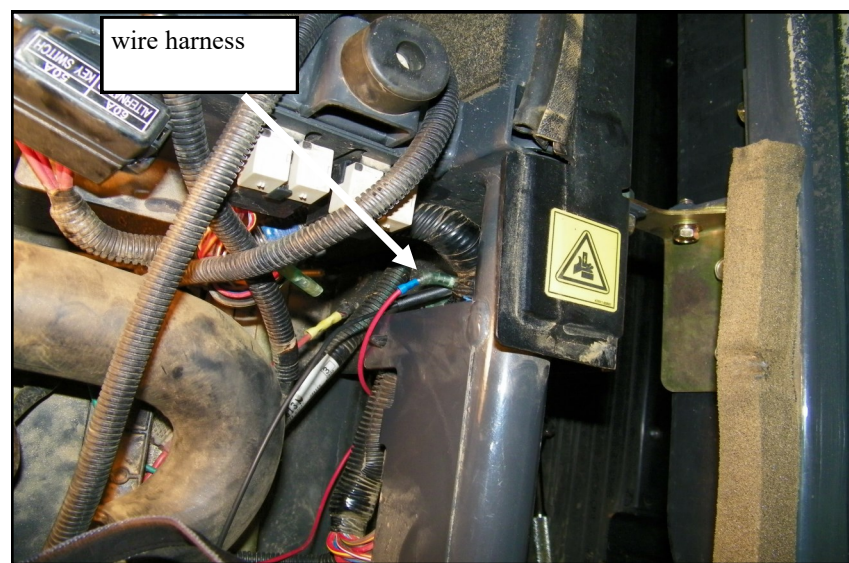
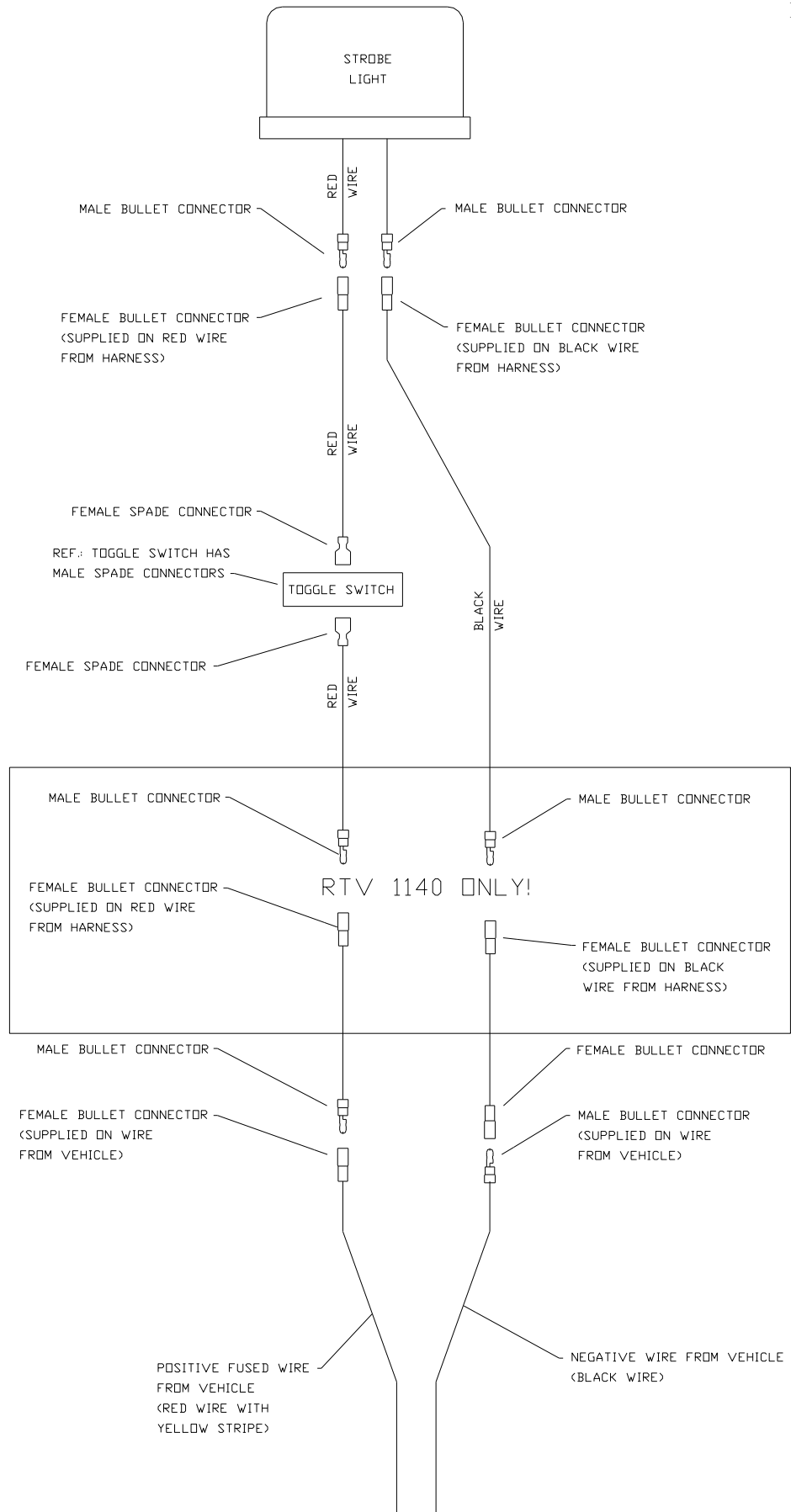


Fig. 6





## ELECTRICAL CONNECTIONS (RTV 400 SS ONLY)

- A. As shown on the next page, crimp a male bullet connector onto the red and black wires from the strobe light and then connect them to the supplied red and black wires with the female bullet connectors.
- B. Route the wires down the left side of the roll bar behind the driver, and into the compartment under the driver's seat.
- C. Route the red wire under the floorboard and up to the toggle switch, cut to length and install a female push-on connector. Attach to toggle switch. Crimp a female push-on connector to one of the remaining red wires and attach to other terminal on toggle switch.
- D. Route the red wire back under the floorboard to the compartment under the driver's seat.
- E. Per fig. 8, cut the blue tape off the wire harness under the driver's seat to expose the female bullet terminal on the key-controlled wire.
- F. Cut the red wire coming from the toggle switch to length and crimp a male bullet terminal to the end of it. Attach it to the red wire with the yellow stripe. NOTE: The RTV 400 has a single female key-controlled bullet terminal available for accessories. To allow for additional accessories, crimp a second red wire to the male bullet terminal, cut it to two to four inches long, and crimp a female bullet terminal to the other end of the wire.
- G. Cut the black wire coming from the strobe light to length and crimp a ring terminal to the end of it. Per fig. 8, secure it with one of the grounded screws in the driver's side under-seat compartment.
- H. Turn the key on and test the toggle switch to ensure connections function properly.
- I. Cover wire(s) in split loom and secure with wire ties provided.

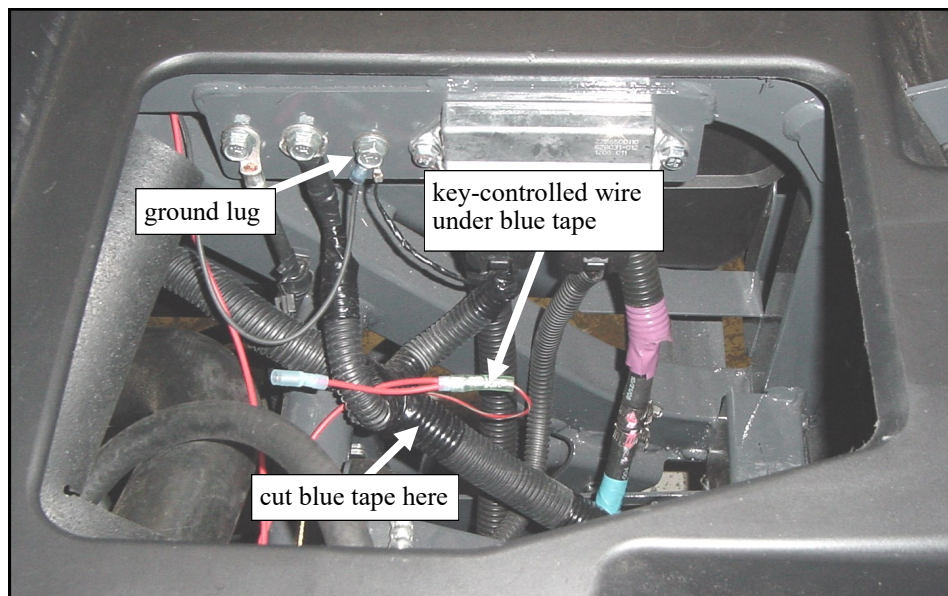
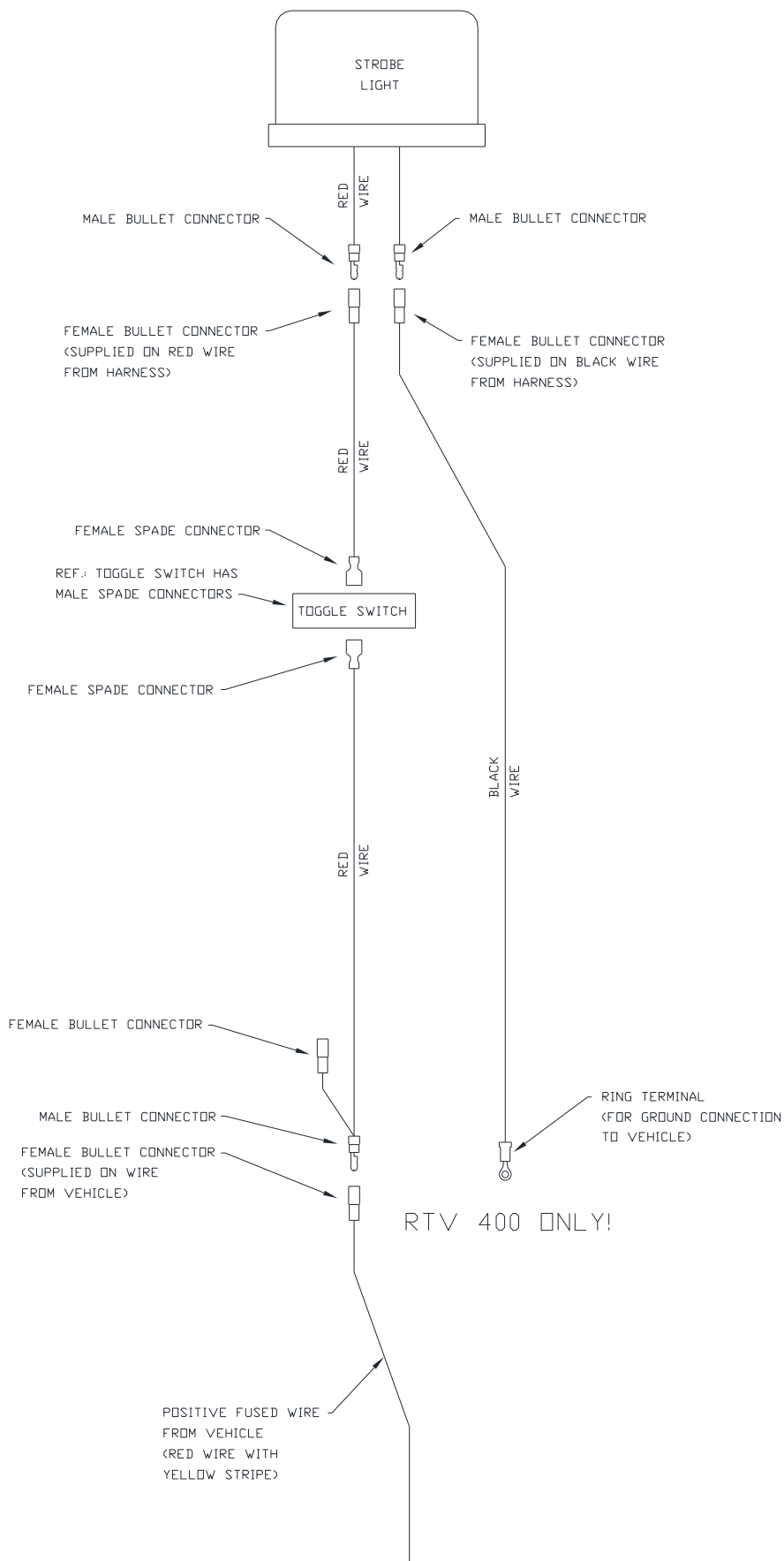


Fig. 8 (key-controlled wire)





### MOUNTING THE STROBE LIGHT

- A. The recommended location for the strobe light is as follows: the center of the strobe light is to be centered left to right on the roof and 11" behind the two bolts at the front of the roof.
- B. Drill one 7/16" hole where the center of the strobe light will be (this is for the wires). Drill two 1/4" holes 4" apart centered around the 7/16" hole (these are for the mounting bolts). Install rubber grommet in the center 7/16" hole. Run wires through grommet and fasten the strobe light to the roof.

**Note:** A silicone caulking is recommended to seal holes when drilling through the roof.

### MOUNTING THE TOGGLE SWITCH

- A. The toggle switch should be installed to the plastic shroud around the controls on the right fender. Per figure 1, start by drilling a 7/16" hole centered between the attachment height control and the PTO engagement levers. **CAUTION: check clearance under shroud by reaching through speed control slot before drilling to avoid damage.**
- B. Per the dimensions in figure 1, drill a 1-3/8" hole in the side of the plastic shroud to facilitate installing and wiring the switch.

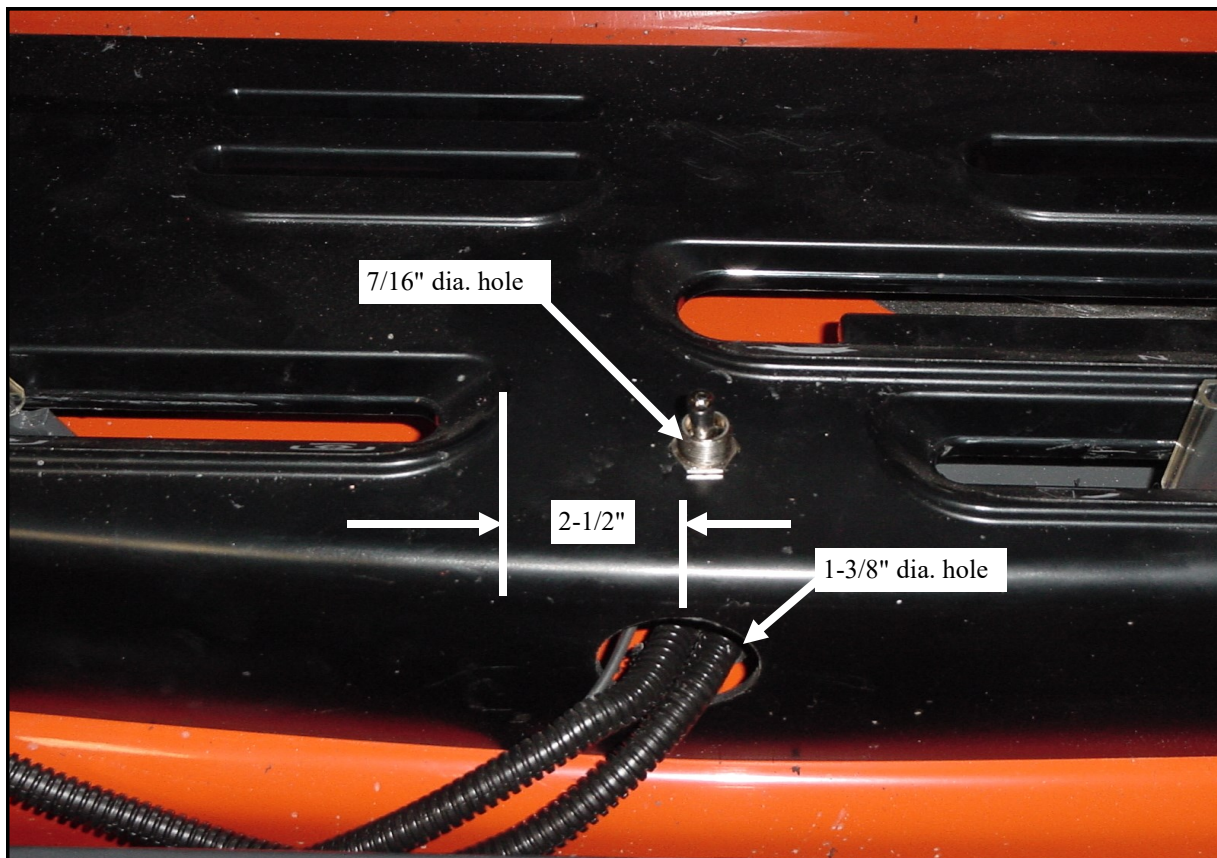


Fig. 1

## ELECTRICAL CONNECTIONS (F 5205) (Without overhead console)

- A. As shown on the next page, crimp a male bullet connector onto the red and black wires from the strobe light and then connect them to the supplied red and black wires with the female bullet connectors.
- B. Per figure 2, encase the wires in split loom provided and route the wires diagonally across the roof to the right rear corner and down the rear of the right side frame. Secure in place with wire ties and bases used for wiper harness.
- C. Route the wires along the right side fender and cut the split loom and the red wire to length. Install two female push-on connectors to the red wires where they were just cut and connect to the toggle switch. Install toggle switch to fender control shroud.
- D. Route the remaining loom and wires toward the rear of the fender, out the back of the cab, and under the vehicle toward the battery.
- E. The black wire will connect to the battery negative terminal. Cut to length and crimp the supplied ring terminal to the black wire and connect to battery.
- F. The red wire will attach to the relay supplied with the cab. Cut to length and crimp the piggy back terminal onto the red wire. Attach to the relay.
- G. Turn ignition on and test toggle switch to ensure connections are complete.

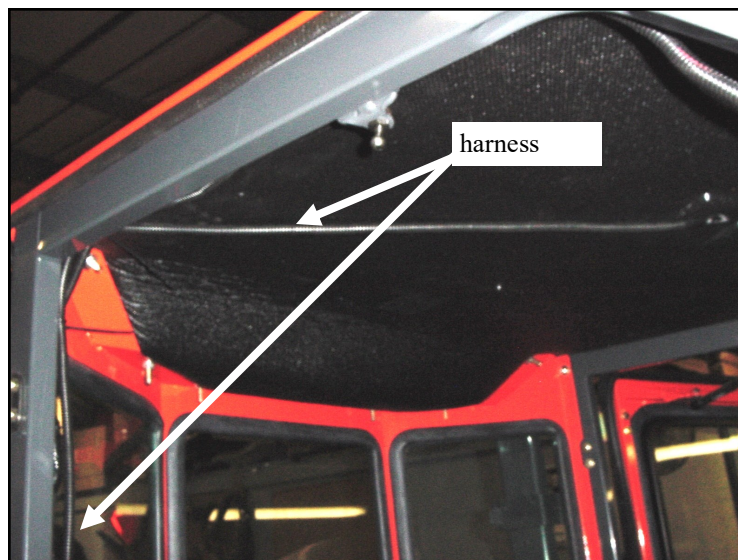
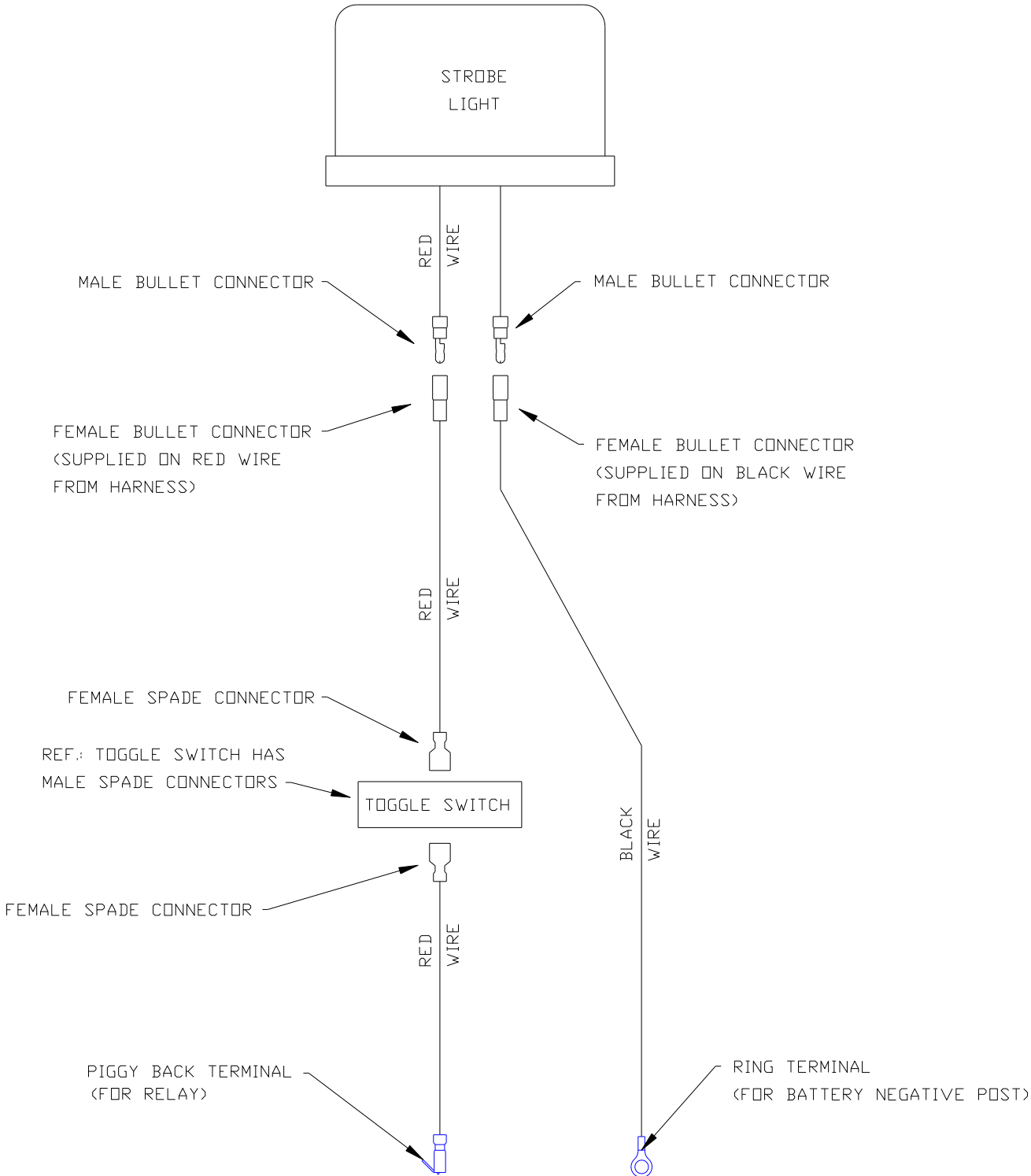


Fig. 2

## ELECTRICAL CONNECTIONS (F 5205) (With overhead console)

If installing strobe light with overhead console (V4238), then simply connect strobe light wires to connectors provided in console.

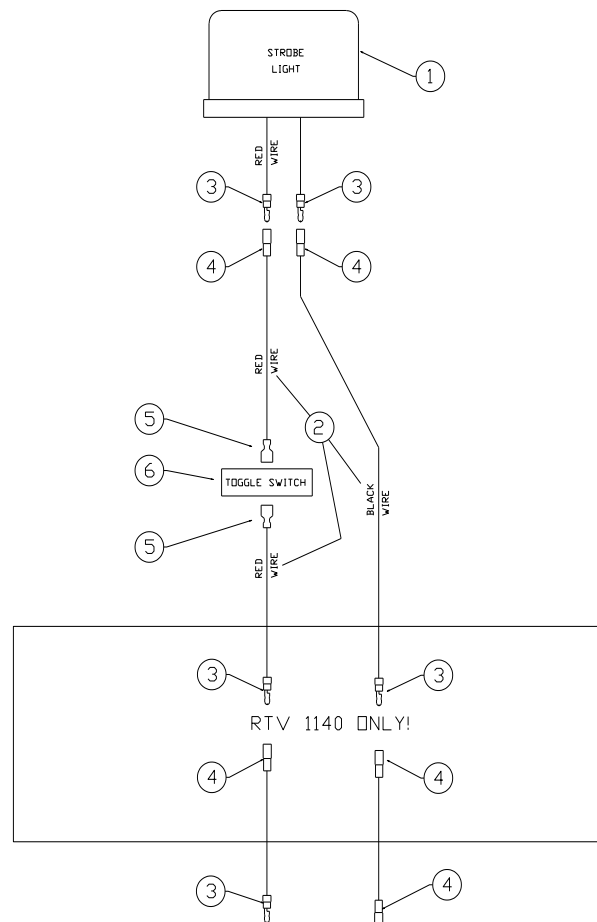


### V4218B / 77700-V4218B STROBE LIGHT KIT

#### RTV 900, RTV 400 SS, RTV 500 SS, RTV 1140 AND KX080-3 SERVICE PARTS

REF. NO.	KUBOTA P/N	CODE NO.	QTY.	DESCRIPTION
1	70000-01035	9LEDS3	1	STROBE LIGHT ONLY
2	70000-01084	AC1026	2	ACCESSORY HARNESS
3	70000-01083	AC1022	5	BULLET CONNECTOR - MALE
4	70000-01147	V4218P2	1	BULLET CONNECTOR - FEMALE
5	70000-01081	AC1020	2	PUSH-ON SPADE CONNECTOR - FEMALE
6	70000-01059	9TS01	1	TOGGLE SWITCH
-	O.L.	--	1	5/16" RING TERMINAL
-	O.L.	--	1	PIGGY BACK TERMINAL
-	70000-01085	AC1027	2	4" WIRE TIE
-	70000-01079	AC1017	4	8" WIRE TIE
-	70000-01087	AC1040	2	3/8" LOOM (7 FEET LONG)
-	70000-01077	AC1015	3	LOOM CLAMPS
-	70000-01078	AC1016	3	#10 x 1/2" LONG SELF-TAPPING SCREWS
-	70000-01086	AC1028	1	3/8" RUBBER GROMMET
-	K7561-62310	V4218P3	1	RELAY
-	70000-01149	V4218P4	1	1/4-20 x 5/8" LG. PAN HEAD, PHILLIPS, THREAD CUTTING SCREW
-	70000-01146	V4218P1	1	INSTALLATION INSTRUCTIONS, STROBE LIGHT KIT

O.L. = OBTAIN LOCALLY



# Kubota®

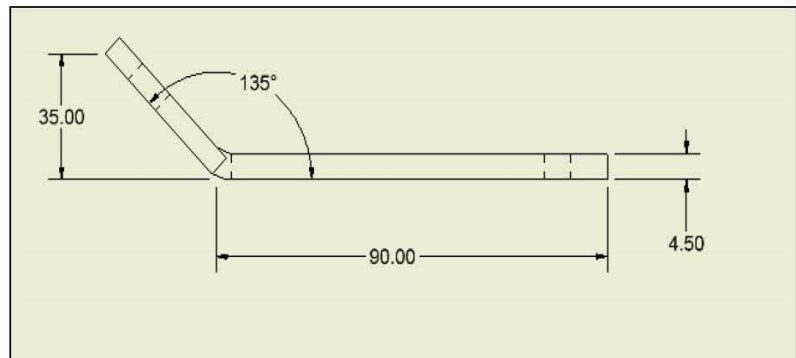
## KUBOTA TRACTOR CORPORATION

### V4218B / 77700-V4218B Strobe Light installation instructions for Kubota BX080-3 Excavators

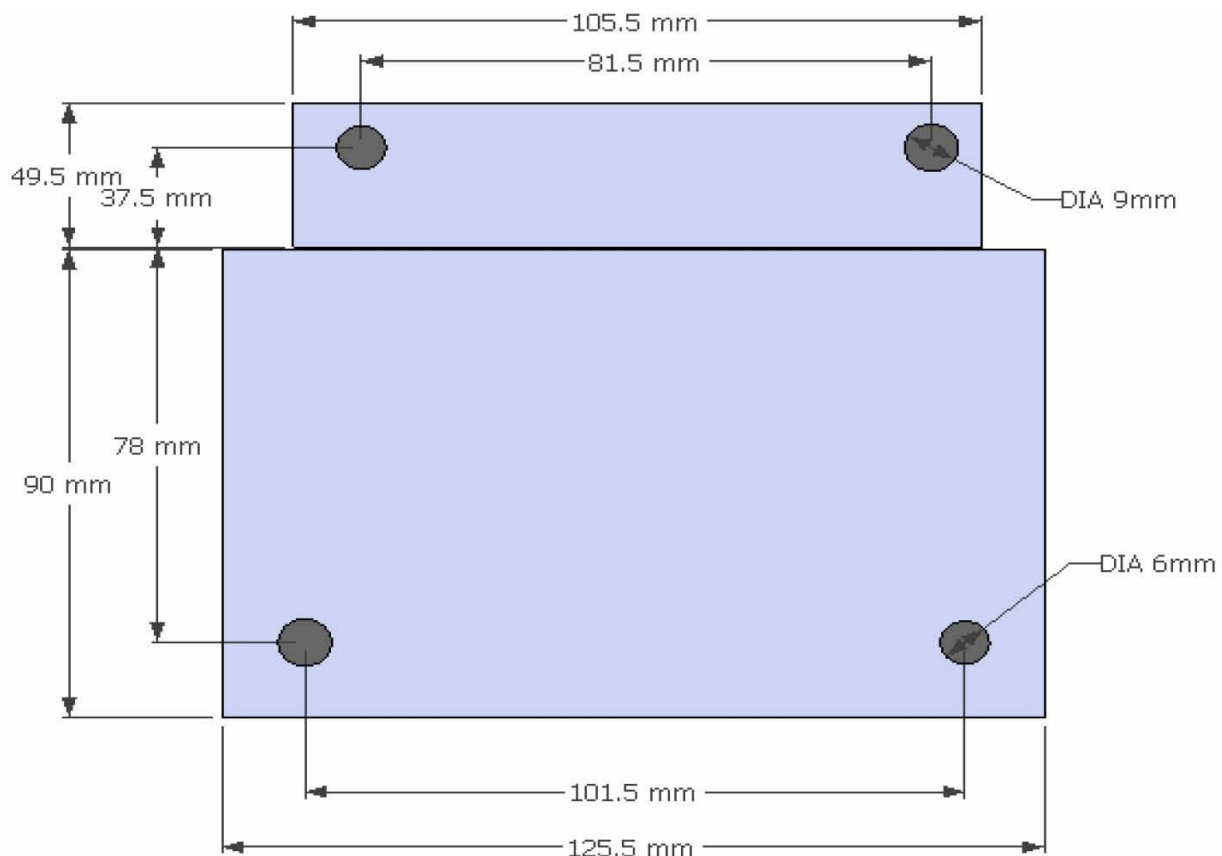
A new Strobe Light Mount Bracket must be created for the installation of the Strobe Light on the KX080-3. The new bracket replaces the Bracket that comes with the excavator.



**Fig.1.** Strobe Light Mount Bracket for KX080-3 Excavator



**Fig.2.** Strobe Light Mount Bracket dimensions for KX080-3



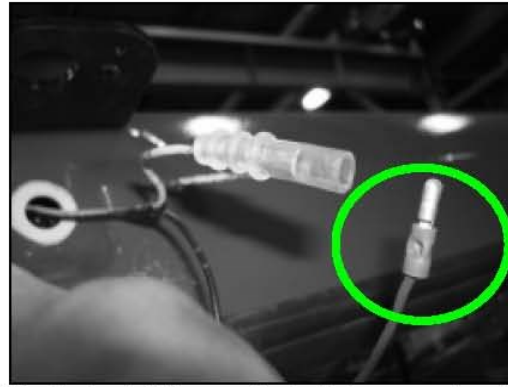
**Fig.3.** Strobe Light Mount Bracket dimensions for KX080-3

**INSTALLATION on KX080-3 EXCAVATOR:**

- (1) Park the excavator on a flat ground, place the bucket to the ground, shut off the engine and remove the key.
- (2) Disconnect (-) terminal of the battery cable and insulate it for safety.
- (3) Follow the instructions below:



**Fig.4.** Remove rubber plug from cab, and pull out the wire harness all the way out revealing the **BLUE** and **BLACK** wires.



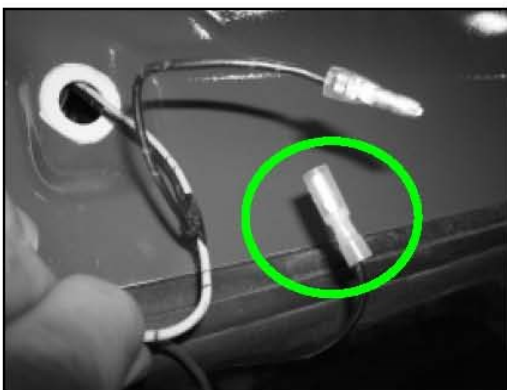
**Fig.5.** Install the male bullet connector to the red wire from the strobe light.



**Fig.6.** Remove insert from rubber plug.



**Fig.7.** Insert black and blue wires from strobe light through the rubber plug. (This step could be conducted before step 5)



**Fig.8.** Connect female bullet connector to the black wire from the strobe light.



**Fig.9.** Plug in bullet connectors, male to female.



**Fig.10.** To ensure proper installation before tucking away wires. Connect the (-) battery terminal, Turn the ignition to the accessory or start position. Depress the strobe light button; the Strobe Light will light up.



**Fig.11.** Wind in the left over wires from strobe light into the cab. Plug in the rubber plug, make sure that it seals properly.



**Fig.12.** Secure the Strobe Light on the Bracket (Bracket must be fabricated. See dimensions on page 13.