



INSTRUCTION BULLETIN

No. 340337
Machine: 830-II
Published: 9-99/00
System: ELECTRICAL

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in your machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save you the cost of ordering an entire kit.

NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

Installation instructions for kit number 768635

SYNOPSIS / PROBLEM:

This kit contains the parts needed to inspect and repair the 1A/RED wire connection, at fuse #1 in the fuse box, on the model 830-II sweeper.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: Flash light, needle nose pliers.

(Estimated time to complete: .5 hour)

PREPARATION:

(Refer to FIG. 3 and 4)

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake. Then turn off machine and remove key.

1. Disconnect battery cables from machine.



WARNING: Always disconnect battery cables from machine before working on electrical components.

2. Remove the access panel to the fuse box area.

INSTALLATION:

(Refer to FIG. 1 thru 5)

1. Check the condition of the terminal at wire 1A/RED where it attaches to FU-1. Be sure it fits the lug on the fuse box tightly. If the terminal is loose, squeeze the terminal tight with a pair of pliers.
2. If the terminal is damaged, replace it with the new one (6) included in this kit. Use the heat shrink tube (7) on the new terminal (6). To repair the wire and terminal, cut the old terminal off, strip the wire back enough to add the new terminal (6) and shrink wrap (7).
3. Install the new bracket (5) under the fourth fuse box mounting screw (at the top, right hand side, hex screw).
4. Install the cable clamp (4) onto the 1A/RED wire. Slide the clamp up to the new bracket (5). Attach the cable clamp (4) to the bracket (5) using the hex screw (1), two washers (3), and one nyloc nut (2). Tighten the fuse box mounting screw **(DO NOT OVER TIGHTEN SCREW)**.

5. Replace the fuse box access panel.
6. Reconnect the battery cables.
7. Operate the machine. Check to make sure the M4 relay and accessory component connected to the FU-1 circuit are working properly.

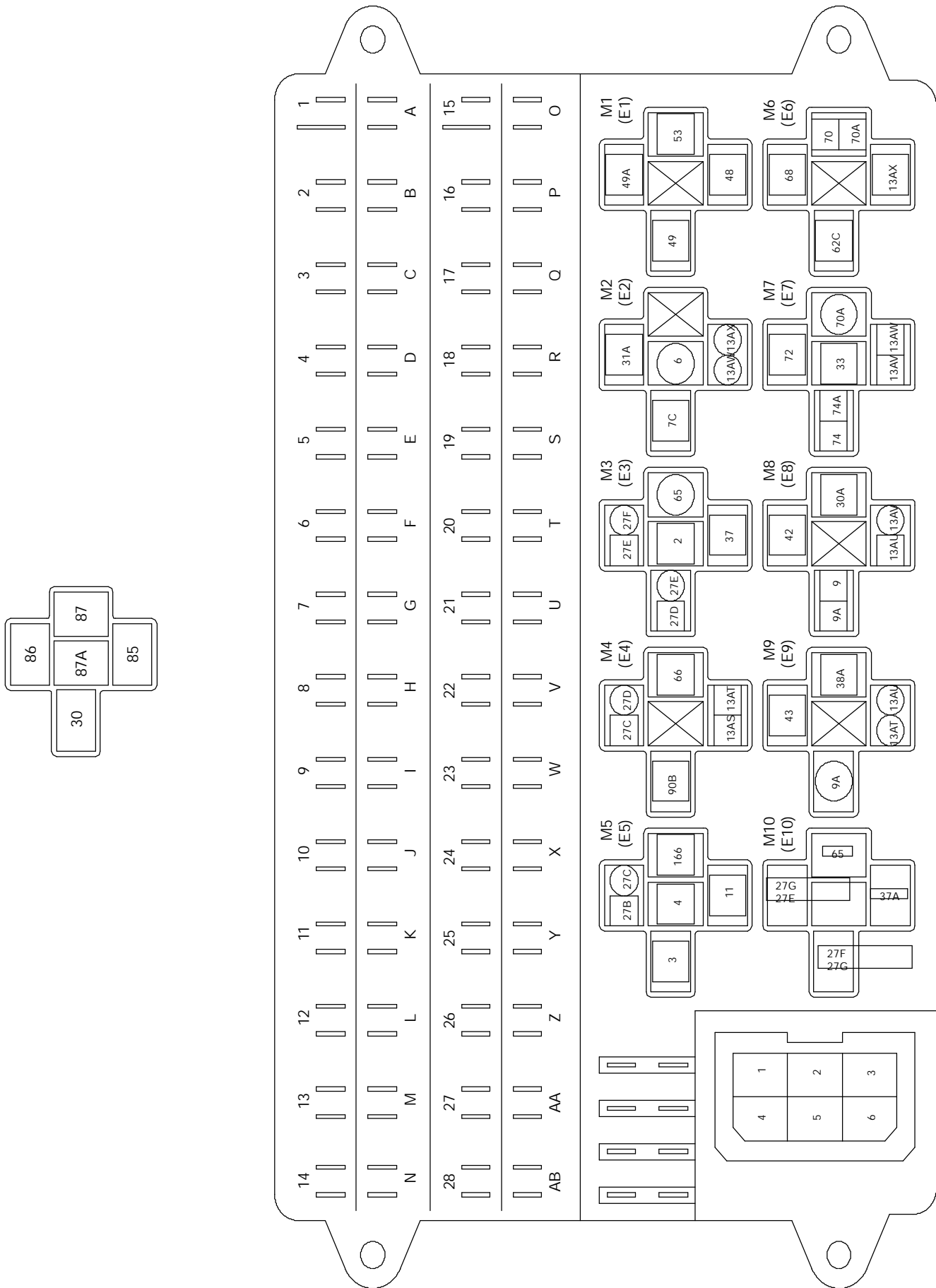


FIG. 1 - Fuse Box

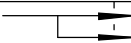

















































FUSE CONNECTOR WIRING			
NUMERIC TERMINAL		ALPHA TERMINAL	
1		A	 66
2	—	B	 80
3	—	C	 44 & 44A 
4	—	D	 55B
5	—	E	 54B
6	—	F	 70
7	—	G	 79
8	—	H	 34A & 34B 
9	 90D	I	 36
10	—	J	 49 & 49A 
11	 1D	K	 35B
12	—	L	 N/U
13	—	M	 N/U
14	—	N	 N/U
15	 28 A 	O	 9 & 9B 
16	 90	P	 91C & 91D 
17	—	Q	 92 & 92A 
18	—	R	 95
19	—	S	 93G & 93H 
20	 N/U	T	 N/U
21	 N/U	U	 N/U
22	 N/U	V	 N/U
23	 N/U	W	 N/U
24	 90C	X	 103
25	 28A B 	Y	 18A
26	—	Z	 5
27	—	AA	 27B 27C 
28	 90A	AB	 33

FIG. 2 - Fuse Connector Wiring

The fuses are located in the fuse box under the fuse plate of the center console.

Fuse	Rating	Circuit Protected
FU-1	30 A	Accessory
FU-2	30 A	Preheat
FU-3	25 A	Turn Signals
FU-4	15 A	Night Lights
FU-5	15 A	Rotating / Sidebrush
FU-6	15 A	Headlight
FU-7	15 A	Taillight / Marker
FU-8	15 A	Water Pump
FU-9	15 A	Accessory Power Socket
FU-10	10 A	Horn
FU-11	10 A	Domelight / Radio
FU-12		Open
FU-13		Open
FU-14		Open
FU-15	25 A	Heater / air conditioner
FU-16	15 A	Logic Power
FU-17	15 A	Hopper Control
FU-18	10 A	Logic
FU-19	10 A	Sensors
FU-20		Open
FU-21		Open
FU-22		Open
FU-23		Open
FU-24	10 A	Vario front brush
FU-25	10 A	Radio
FU-26	10 A	Wipers
FU-27	15 A	Neutral Start Propel
FU-28	15 A	Daytime Running Lights

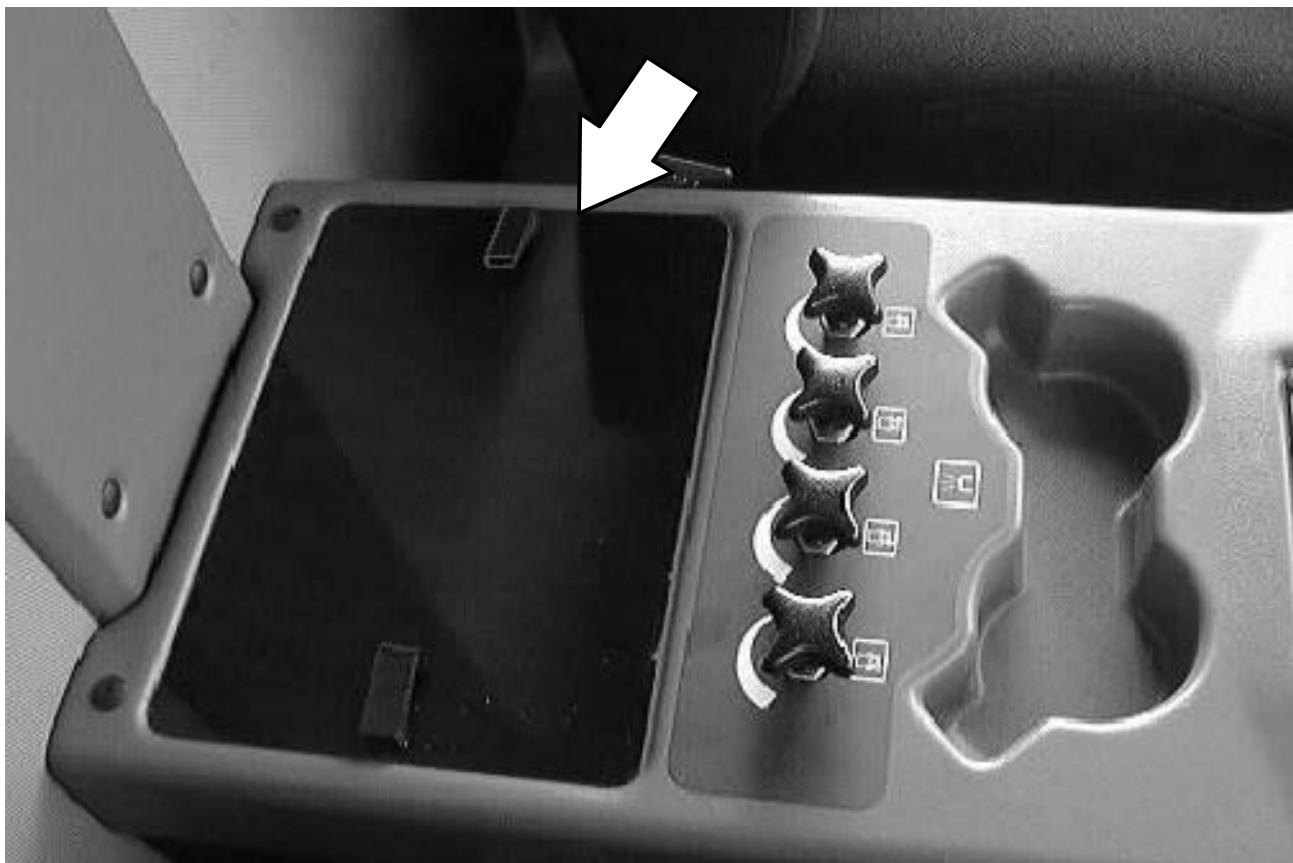


FIG. 3 - Fuse Box Cover Panel

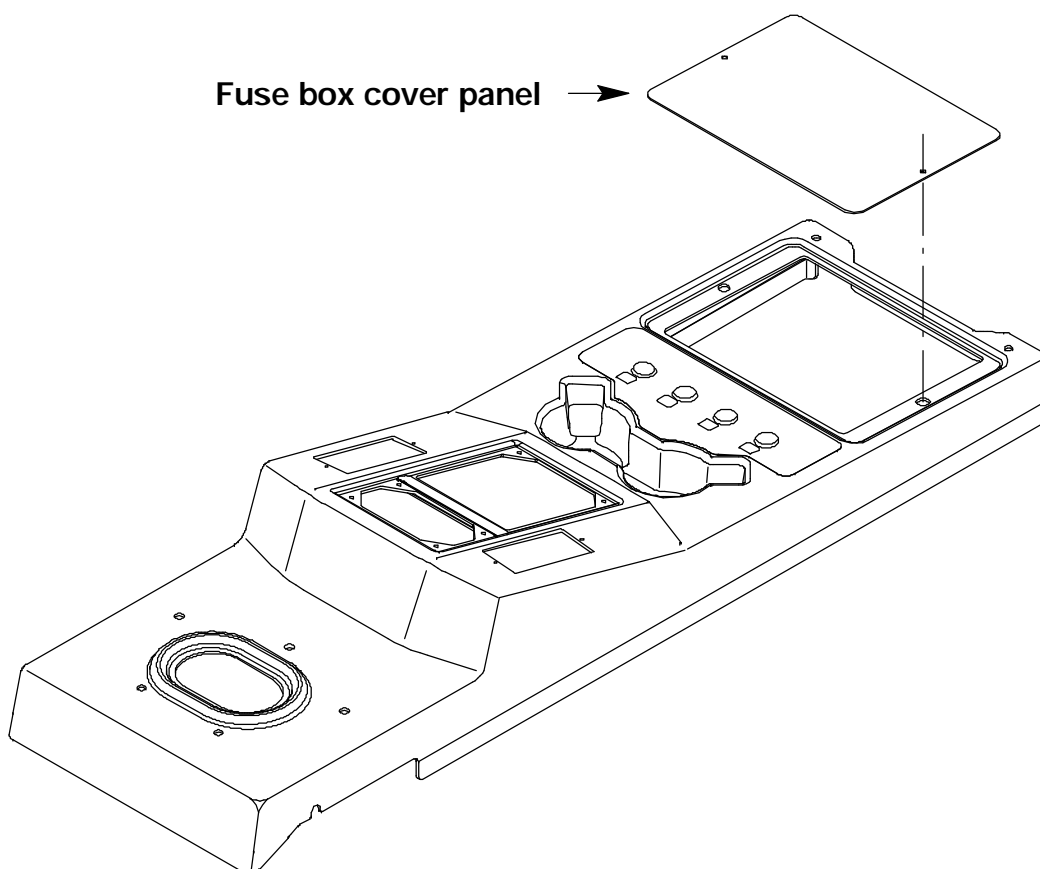


FIG. 4 - Fuse Box Cover Panel

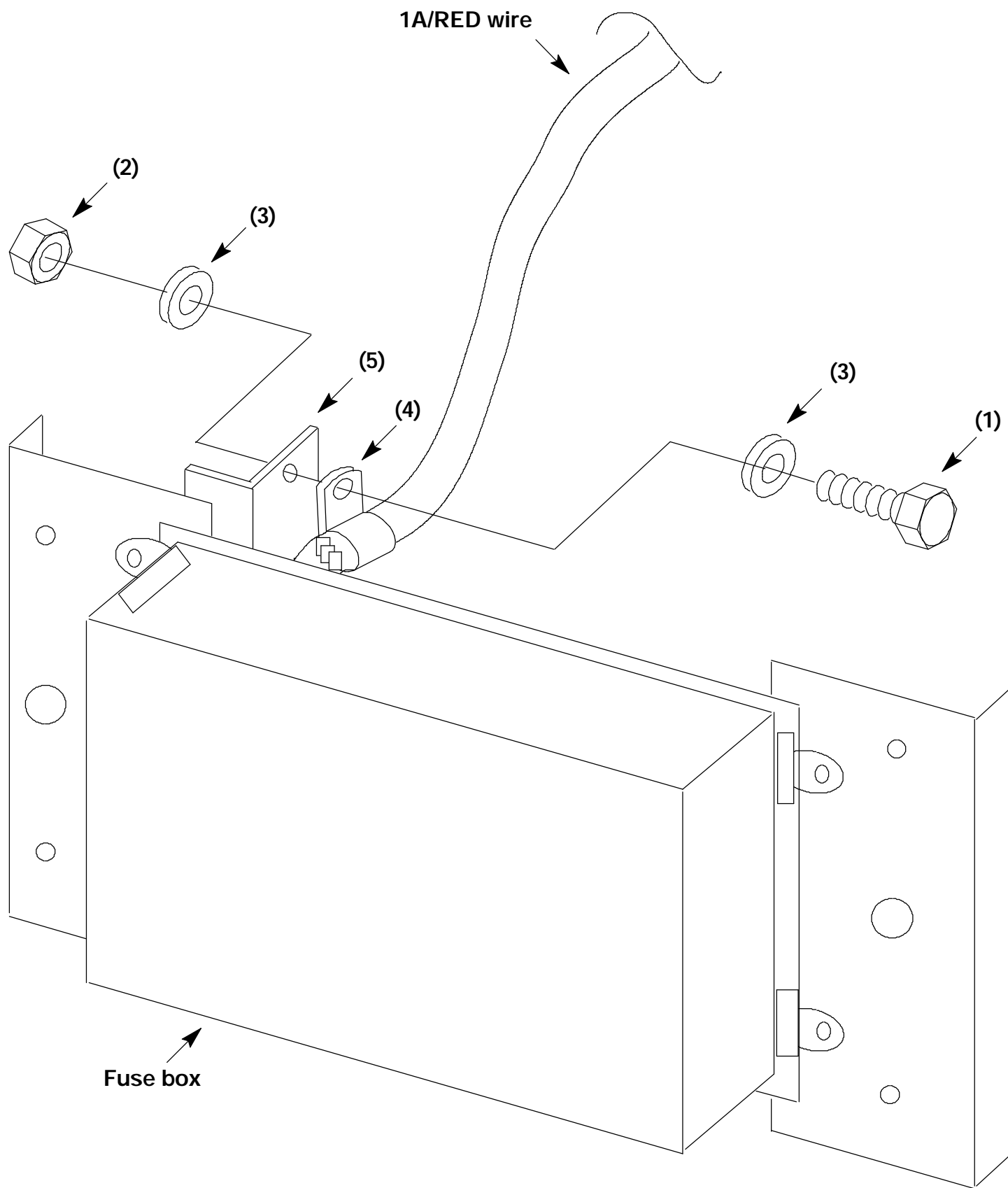


FIG. 5 - Fuse Box Wire 1A/RED Clamp Install

BILL OF MATERIALS FOR 1A/RED WIRE REPAIR KIT 768635

Ref.	TENNANT Part No.	Description	Qty.
1	06942	M6 hex screw, 16mm	1
2	08708	M6 nyloc nut	1
3	19066	#10 flat washer	2
4	46236	Cable clamp	1
5	768399	Cable mount bracket	1
6	768530	Female terminal	1
7	768531	Heat shrink tube	1

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