



INSTRUCTION BULLETIN

No. 340336
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 768632

SYNOPSIS / PROBLEM:

This kit contains the parts needed to replace the fuse box on the model 830-II sweeper. Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: None

(Estimated time to complete: 2 hours)

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.
3. Remove the four screws holding the fuse box to the frame. Place the fuse box and harness onto the center console.

NOTE: The new fuse box (13) comes with enough fuses and relays for all standard options.

INSTALLATION:

(Refer to FIG. 1 thru 5)

1. Position the new fuse box (13) along side the existing fuse box and harness. Begin to transfer the wires from the old fuse box onto the new fuse box (13).

NOTE: Check the condition of the terminal at wire 1A/RED. 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. If the terminal is damaged, replace it with the new one (11) included in this kit. Use the heat shrink tube (12) on the new terminal (11).

2. After all of the wires have been transferred from the old fuse box to the new fuse box (13), position the new box into the mounting area. Install only **three** of the hex mounting screws, leave the top, right hand side, hex screw out for now.

3. Install the new bracket (10) 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 to the new bracket (10). Tighten the clamp in place. Tighten all four fuse box mounting screws (**DO NOT OVER TIGHTEN SCREWS**).
5. Check and make sure all of the connections have been made. Make sure none of the wires are touching any sharp edges.
6. Replace the fuse box access panel.
7. Reconnect the battery cables.
8. Operate the machine. Check to make sure that all of the circuits are working properly.

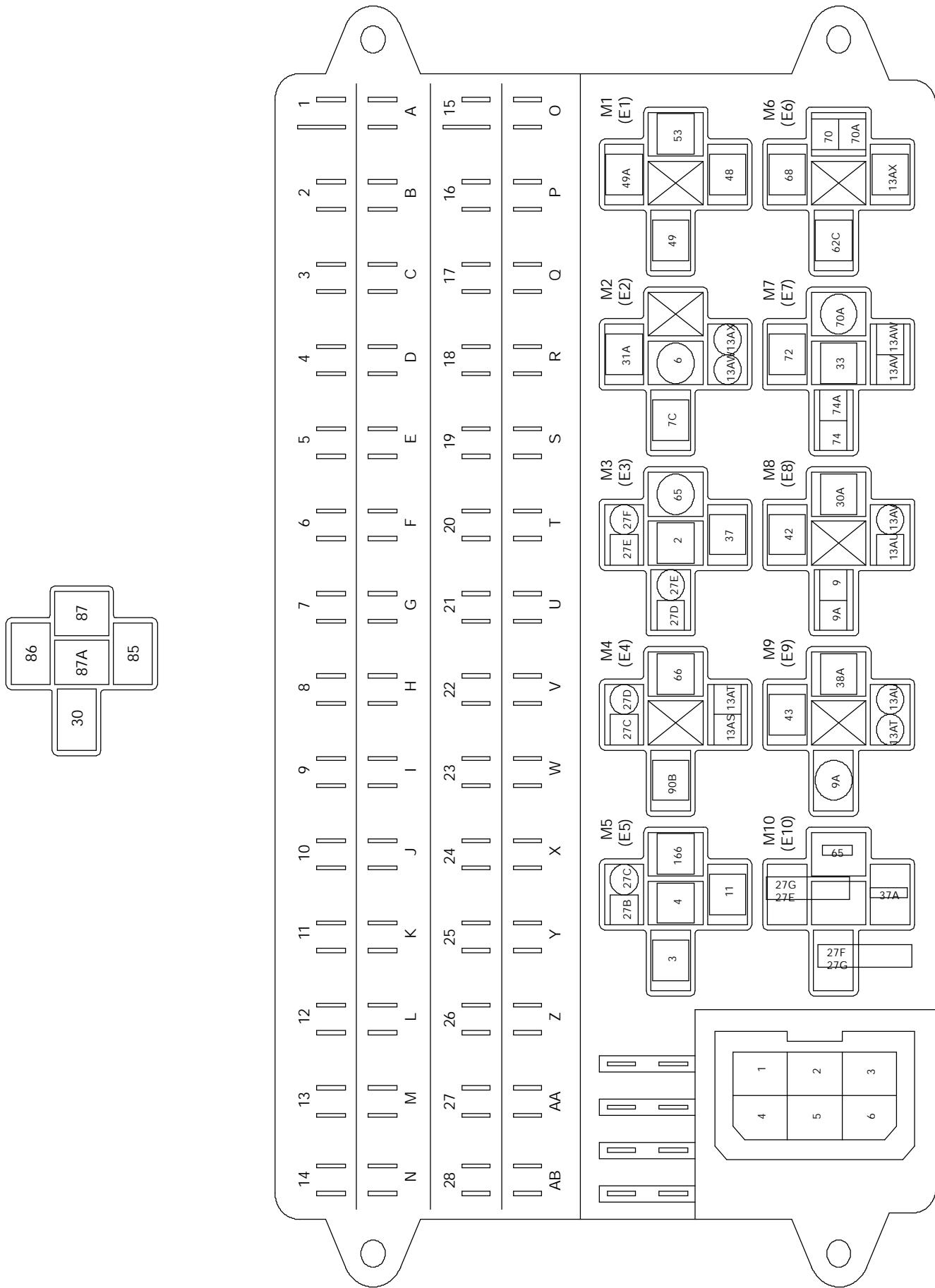


FIG. 1 - Fuse Box

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

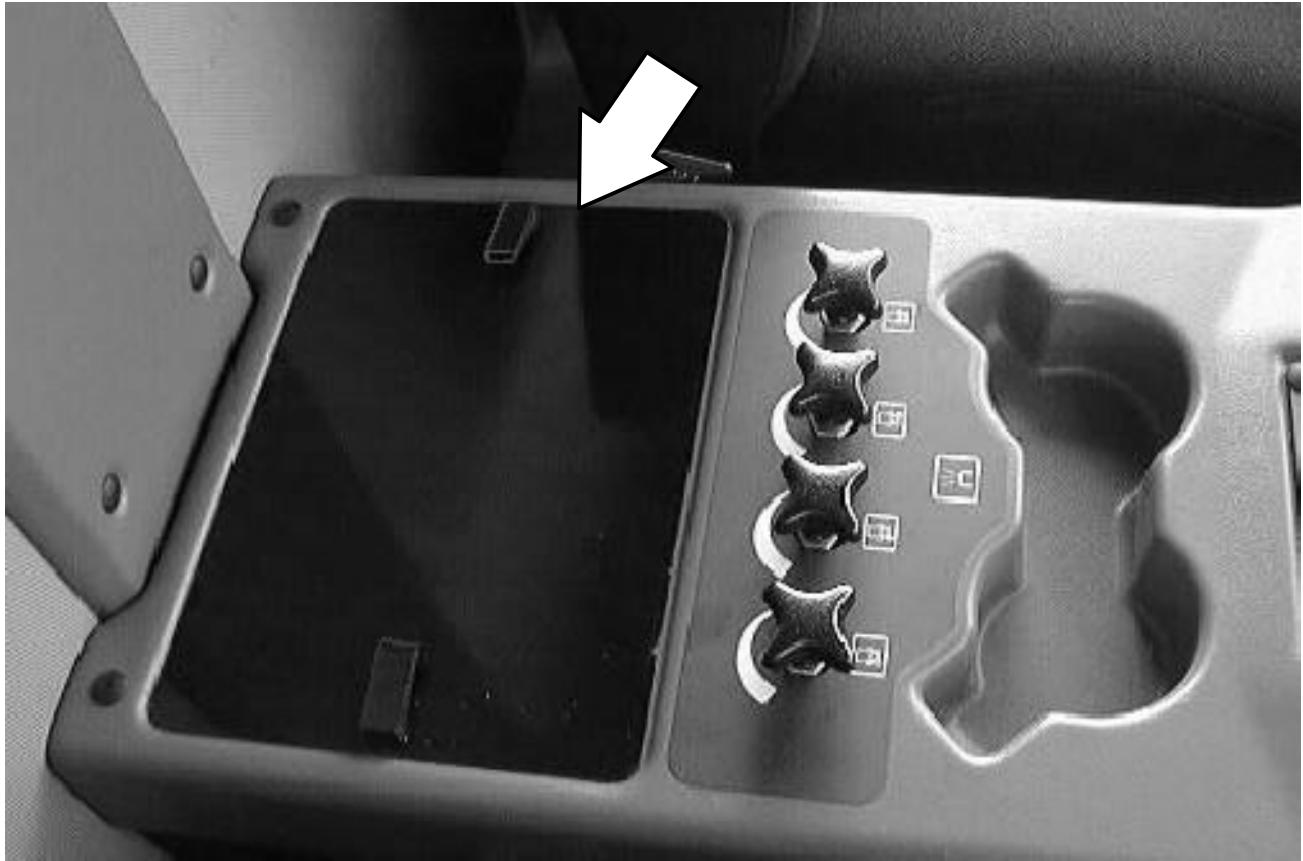


FIG. 3 - Fuse Box Cover Panel

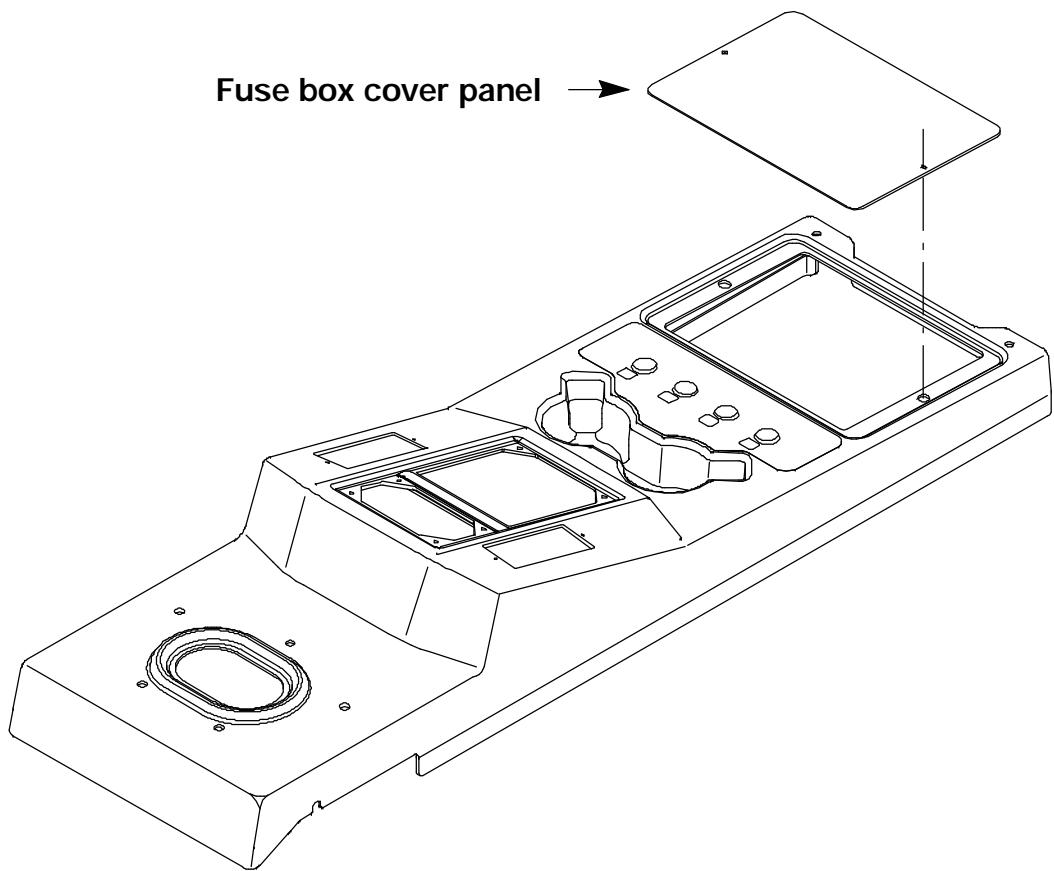


FIG. 4 - Fuse Box Cover Panel

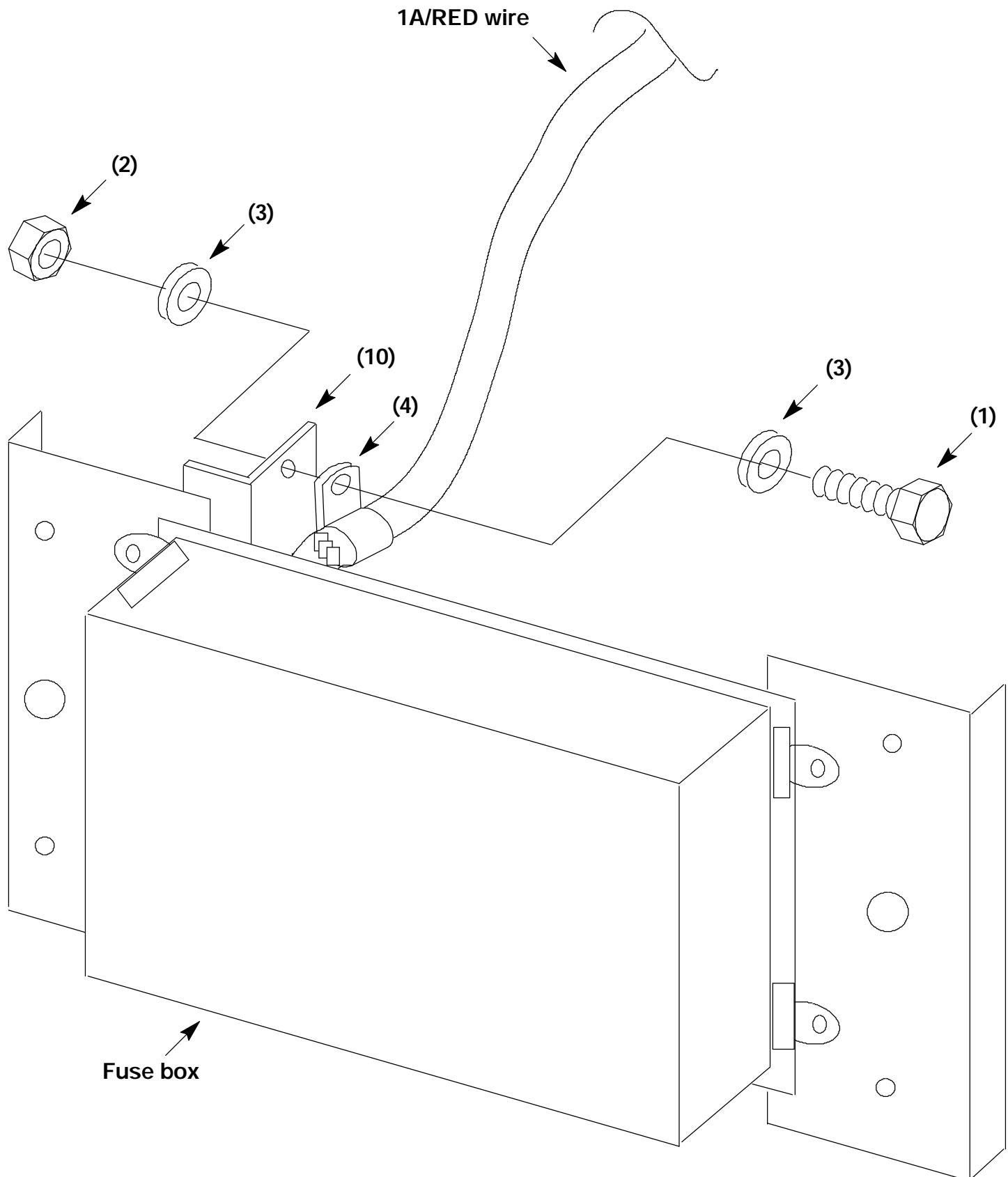


FIG. 5 - Fuse Box Wire 1A/RED Clamp Install

BILL OF MATERIALS FOR FUSE BOX REPLACEMENT KIT 768632

Ref.	TENNANT		Qty.
	Part No.	Description	
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	57804	12V relay, 40 amp	10
6	762513	10 amp fuse	8
7	762514	15 amp fuse	10
8	762516	30 amp fuse	3
9	762583	25 amp fuse	3
10	768399	Cable mount bracket	1
11	768530	Female terminal	1
12	768531	Heat shrink tube	1
13	768553	Fuse box	1
14	768597	Bridge connector	16
15	768800	Label set	1

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