

Wiring Harness Update Kit Assembly Instructions



Razor Series ZR44 & ZR52

Manual No. 356-141M

Before You Start



When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

These instructions contain only information required to assemble the Wiring Harness Kit to the Razor Series ZR44 & ZR52 Riding Mowers. A detailed Operator's Manual was supplied with the Razor. Refer to the Operator's Manual for additional specific information especially information relating to safety concerns. Also included in the Operator's Manual is important information on operation, adjustment, troubleshooting, and maintenance for this attachment (some manual sections do not apply to all options).

A separate Parts Manual for replacement parts can be purchased from your dealer or available free of charge at www.landpride.com. Have model and serial numbers handy when placing an order.

Manual Part Numbers:

- Operator's Manual356-059M
- Parts Manual356-059P

General Information

Some ZR44 & ZR52 Razors may be experiencing a small drain on the battery when units are parked and the ignition off. Over time this small electrical drain can deplete the battery to a point that it fails to start the mower. If a unit is experiencing a repeated battery discharge for no obvious reason, installation of this simple kit will eliminate that condition.

These assembly instructions apply to the Razor ZR44 and ZR52 Kit Number:

356-142A RAZOR HARNESS UPDATE KIT

Tools required:

- Electrical Tape
- Wire Cutters
- Wire Stripper
- Electrical Wire Crimpers
- Two 10 mm Metric Wrenches
- Terminal Removal Tool or a Small Thin Bladed Screw Driver

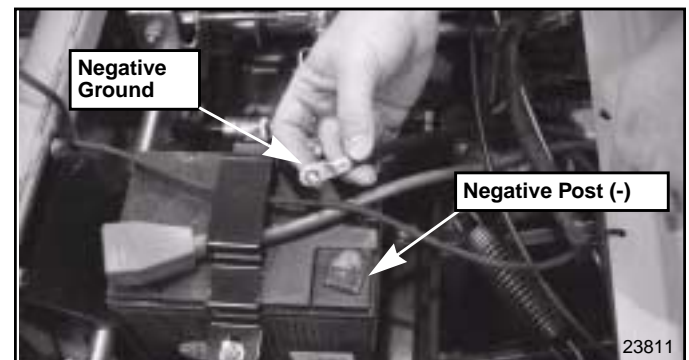
Instructions For Kit No 356-142A

A detailed listing of parts for wiring harness update kit No. 356-142A is provided on page 4. Use this list as a checklist to inventory parts received.

1. Park mower on a flat surface and move control levers to park.
2. Turn off engine and remove ignition key.
3. Raise seat deck fully up.

Refer to Figure 1:

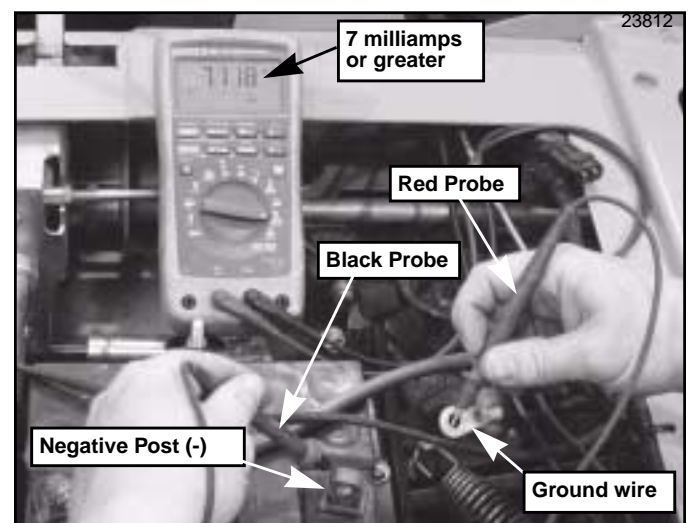
4. Disconnect negative ground wire (black wire) from the battery's negative post (-). Place ground wire in a location where it cannot touch the battery posts.



Remove Ground Battery Connection
Figure 1

Refer to Figure 2:

5. Check battery drain with an amp meter by placing black probe on the negative battery post and red probe on the ground wire as shown. A drain of 7 milliamps or more is an indication that it would be helpful to install this wiring harness kit.

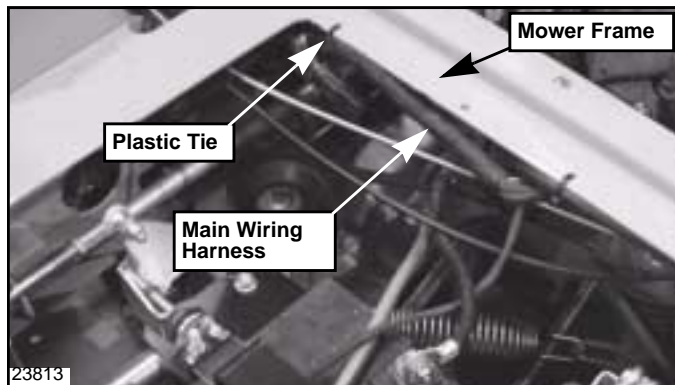


Battery Drain Check
Figure 2

Instructions For Kit No 356-142A

Refer to Figure 3:

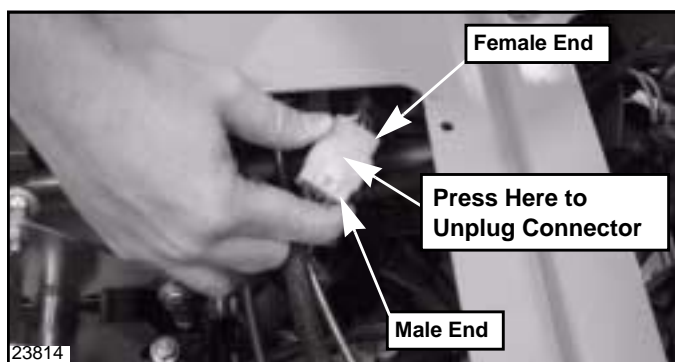
6. Locate main wiring harness attached to the mower frame. Cut plastic ties securing harness in place.



Locate Wire Harness
Figure 3

Refer to Figure 4:

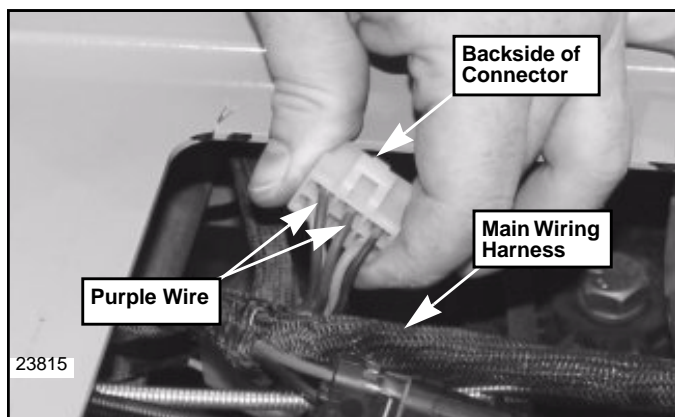
7. Pull white connector out from under back right corner of mower frame.
8. Unplug connector by pressing down on the center tab and pulling the two ends apart.



Unplug Connector
Figure 4

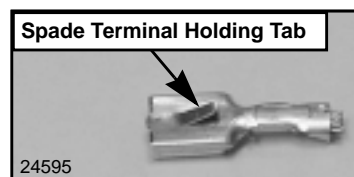
Refer to Figure 5 & Figure 6:

9. Locate two purple ground wires leading from the connector to the main wiring harness.



Remove Purple Ground Wires
Figure 5

10. Insert terminal removal tool or small thin bladed screw driver into backside (see Figure 5) of a purple wire connector slot. Push in on the purple wire and press down on the holding tab. See Figure 6 below for view of holding tab. Once the tab has released, pull purple ground wire out. If the terminal does not release, reposition terminal tool and pull on the wire again.

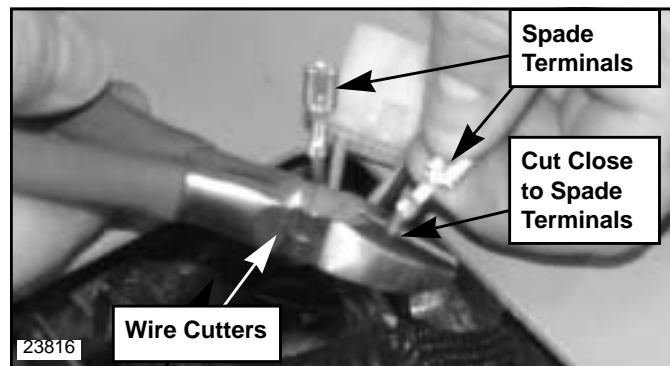


Spade Terminal Holding Tab
Figure 6

11. Repeat step 10 to remove second purple ground wire.

Refer to Figure 7:

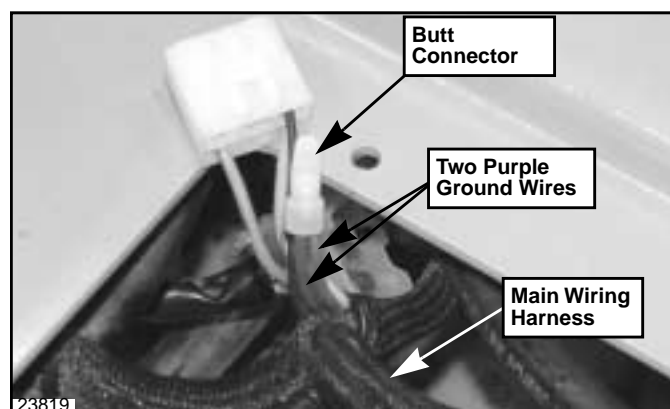
12. Cut both purple wires close to the spade terminals. Cutting close will leave enough wire to install butt connector in step 13 below.



Cutting Spade Terminals Off
Figure 7

Refer to Figure 7:

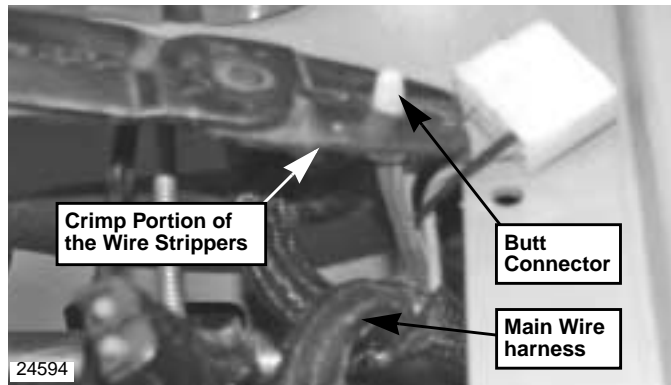
13. Strip 3/8" length of outer covering from both ends of purple ground wires. Twist wire ends together and twist-on butt connector.



Installing Butt Connector
Figure 7

Instructions For Kit No 356-142A**Refer to Figure 8:**

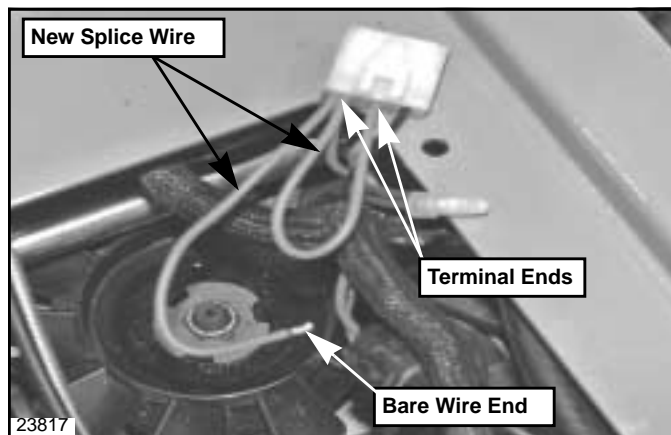
14. Crimp Butt Connector with crimping part of wire strippers to secure connector place.



Crimping Butt connector
Figure 8

Refer to Figure 9:

15. Plug the new splice wire spade terminals into the terminal slots where the purple ground wires were removed.



Plug Splice Wire Into Connector
Figure 9

Refer to Figure 10:

16. Insert bare wire end of new splice wire into splice connector as shown.
17. Locate orange wire leading into main wiring harness and attach splice connector over orange wire as shown.

IMPORTANT: Force metal prong down with pliers before closing splice connector cover. Forcing prong down with cover will damage the splice connector.

18. Make certain bare wire end is fully inserted into the splice connector and then force metal prong down into the connector with pliers.
19. Close splice connector cover. Make certain it snaps shut.
20. (Optional) Press Butt Connector against main wire harness and secure in place with electrical tape.

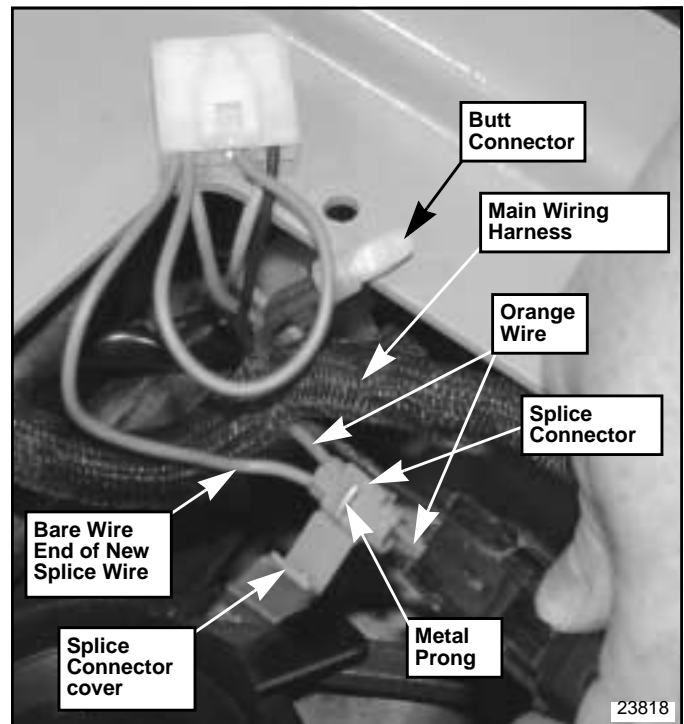


Figure Description
Figure 10

Refer to Figure 11:

21. Reattach main wiring harness to mower frame with new plastic ties.
22. Check battery drain as outlined in step 5 before reconnecting battery ground wire. Amp reading should not exceed .001 milliamps.
23. Reconnect battery ground wire to negative post (-).

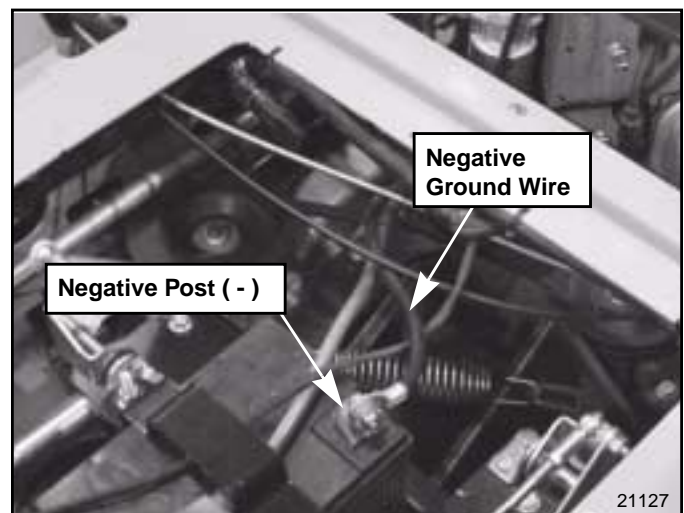


Figure Description
Figure 11

24. Lower seat deck and start mower to verify it will start. Shut mower off and lock seat down to complete installation.

Razor Harness Update Kit Part No. 356-142A

Qty.	Part No.	Part Description
1	356-141M	INSTRUCTION,HONDA ELEC UPDATE
2	800-112C	CABLE TIE .19X7.25 1.75D 50LB
1	833-401C	HARNESS UPDATE WIRE Kit
1	833-381C	BUTT CONNECTOR (Included with 833-401C Kit)
1	833-460C	CONNECTOR SPLICE 16-14AWG (Included with 833-401C Kit)



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