NOTE

Read and understand the following text and warnings before attempting installation.

⚠ WARNING

To prevent battery explosion that could result in severe personal injury or death, keep all smoking materials, open flame or sparks away from the batteries.

Be sure that the key switch is off and all electrical accessories are turned off before starting work on vehicle.

Wrap wrenches with vinyl tape to prevent the possibility of a dropped wrench from 'shorting out' a battery, which could result in an explosion and severe personal injury.

Always wear a safety shield or approved safety goggles when working on the vehicle.

Tools Required:	Tool	Qty. Required
	Heat Gun	1
	Notched Pry Bar	1
	Torx bit T-27"	1
	Torque Wrench, in lbs	1
	Wire Cutters	1
	Wire Stripper	1
	Wire terminal crimping tool	1
	Insulated wrench, 9/16"	1
	Slim Wrench 10 mm	1

Instructions:

1. Turn off and remove the ignition key.
2. To access the Solenoid, raise and remove the seat bottom
3. Place the Run-Tow switch to tow position.
4. Disconnect negative (-) cable at battery using insulated wrench.
5. Remove the screws (item 1) using torx bit from electric controller shield.
6. Remove the christmas tree rivet (item 2) using Notched Pry Bar from the electric controller shield.
7. Raise the electronic controller shield and place it off to one side out of the way (item 3), so that you can see the Solenoid (see fig 1).

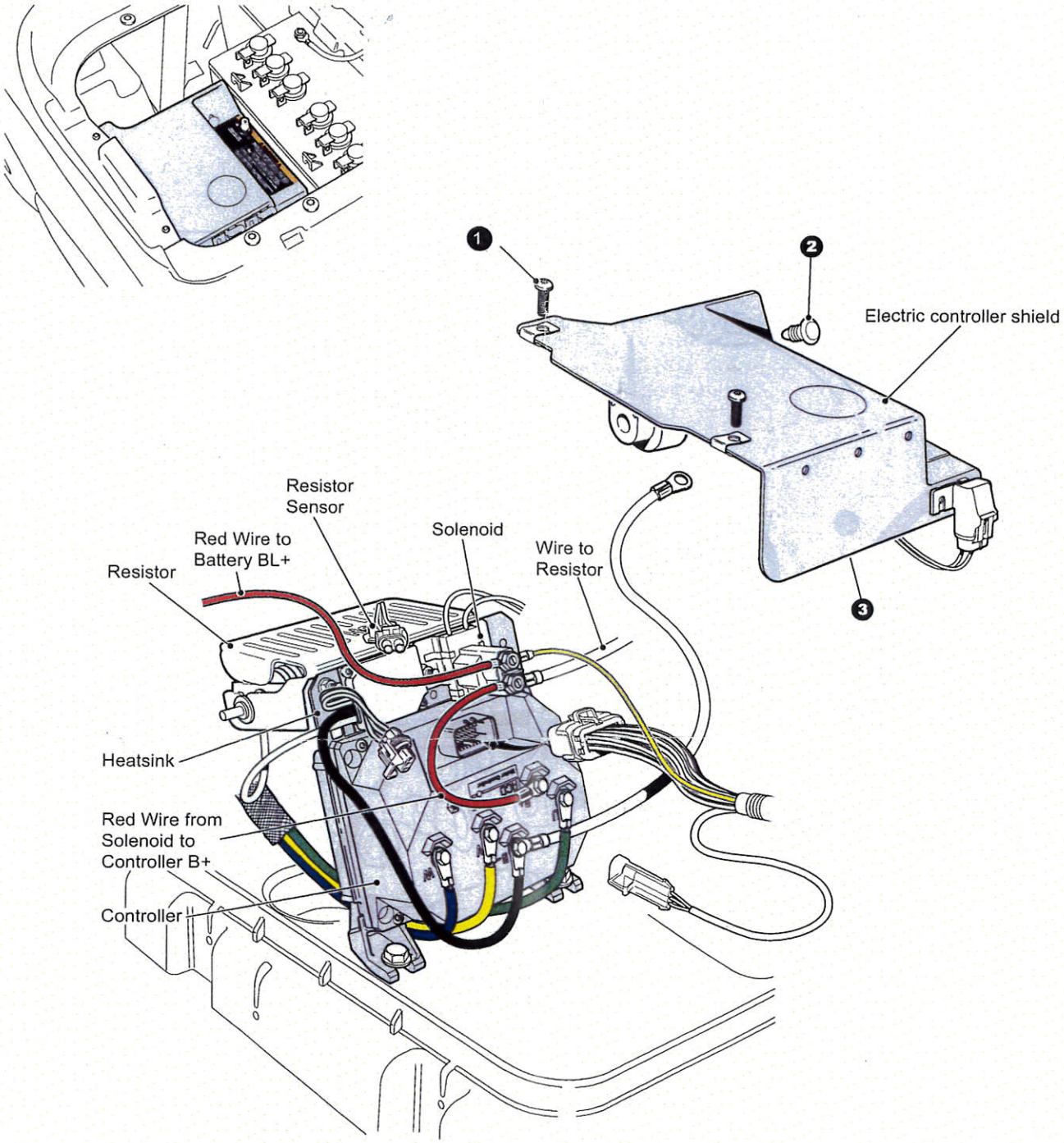
8. Disconnect the 23-pin connector from the controller (see fig 2(item 4))
9. Disconnect the red wire from the upper terminal on the solenoid to the positive (+), BL+, battery terminal and the yellow wire to the main wiring harness by removing the upper hex nut (see fig 2 (item 5)).
10. Disconnect the red wire from the lower terminal on the solenoid to B+ on the controller by removing the lower hex nut (see fig (item 6)).
11. Remove two hex head bolts (see fig 2 (item 7)) securing the solenoid to the controller heat sink.
12. Cut the two black wires from the solenoid to the wire harness (see fig 2) and strip approximately 1/2" (13 mm) of insulation from the ends of the wire harness.
13. Strip approximately 1/2" (13 mm) of insulation from the ends of the wires on the new solenoid.
14. Insert one stripped wire from the harness into one end of the butt splice connector and insert one stripped wire from the new solenoid into the other end of the butt splice connector. Crimp both ends and seal using the heat gun (see fig 2(item 8))

Mount the Solenoid.

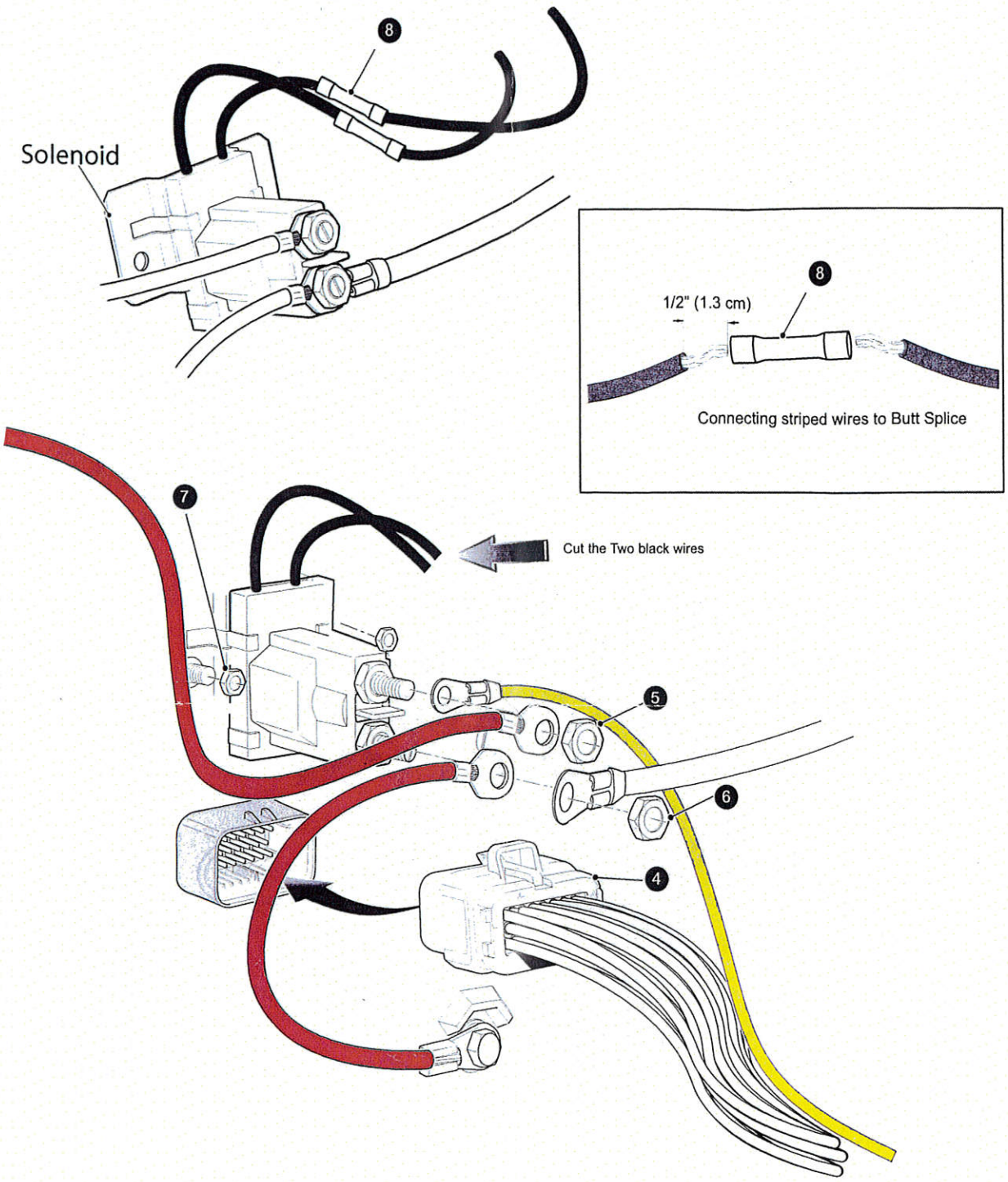
15. Secure the new solenoid to the controller heat sink with the two hex head bolts (see fig 2).
16. Connect the red wire from the controller B+ to the lower terminal of the solenoid and the white wire to the resistor, secure in place using a hex nut.
17. Connect the red wire from the positive (+), BL+, battery terminal and the yellow wire from the wiring harness to the upper terminal of the solenoid, secure in place with a hex nut.
18. Reinstall the 23-pin connector to the controller.
19. Reinstall the electric controller shield as before.
20. Reinstall the two screws (see fig 1(item 1)) and christmas tree rivet (see fig (item 2)).
21. Connect the negative (-) cable to the battery.

KIT CONTENTS

ITEM	QTY	PART NO.	DESCRIPTION
1	1	606971	36V SOLENOID.
2	2	608896	BUTT SPLICE WITH HEAT SHRINK.



Solenoid Installation (fig 1).



Solenoid Installation (fig 2)