

# Can-Am Defender Quick-Mount 4500lb. Winch Kit

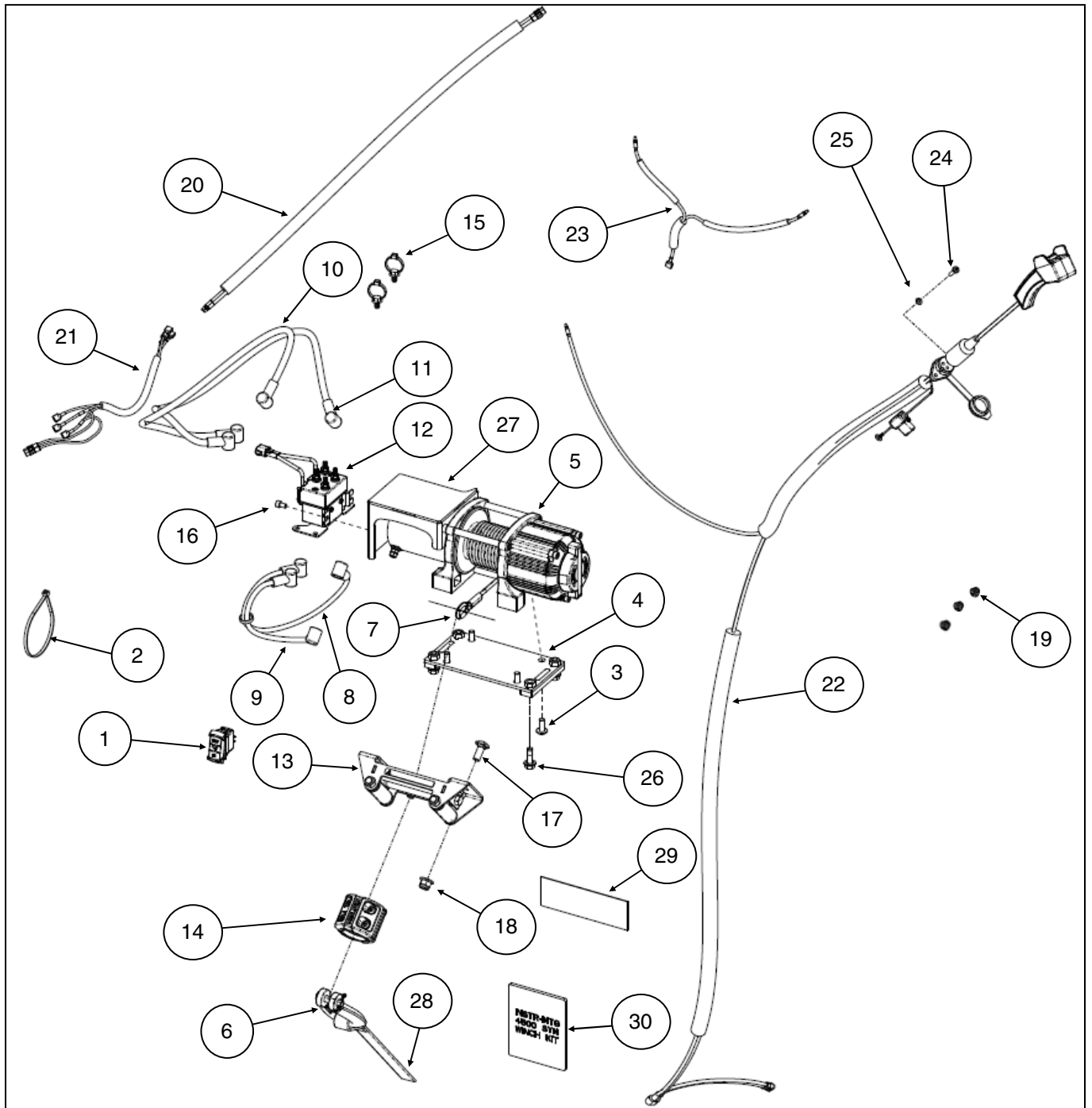


Product Instructions | Part No: 26-7020

**Application:** Can-Am Defender models, verify accessory fitment at Kolpin.com.

**Before You Begin:** Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

**Note:** If any hardware is missing, do not return to the store. Call us to help, Toll Free 1-877-956-5746.



**This Kit includes:**

Item	Qty	Part Description	Part Number
1	1	Dash Switch, Panel Mount	25-0700
2	10	Cable Ties, Nylon	-
3	4	Button Screw, Zinc Plated, M8 x 1.25 - 20mm LG	7519260
4	1	Mounting Bracket	25-7110
5	1	Winch - Kolpin, 4500lb.	25-9450R
6	1	Hook, Winch Latch	RPR0108
7	1	Winch Cable, Synthetic - 4500lb.	85064
8	1	Winch Connection Cable, Yellow 6 GA (397mm)	-
9	1	Winch Connection Cable, Blue 6 GA (253mm)	-
10	1	Power Connection Cable, Black 6 GA (810mm)	-
11	1	Power Connection Cable, Red 6 GA (830mm)	-
12	1	Contactor, Solenoid, 12V	85068
13	1	Roller Fairlead, Wide Pattern	85087
14	1	Rubber Winch Stopper	85080
15	2	Fir-Tree Clip, Plastic Cable Tie	7081496
16	2	Socket Head Cap Screw, Zinc Plated, M6 x 1.0 - 10mm LG	7517337
17	2	Carriage Screw, Zinc Plated, M10 x 1.5 - 25mm LG	7519372
18	2	Hex Flange Locknut, Zinc Plated, M10 x 1.5	7547423
19	3	Hex Flange Locknut, Zinc Plated, M6 x 1.0	7547453
20	1	Defender Vehicle Contactor Harness	-
21	1	Defender Vehicle Dash Switch Harness	-
22	1	Vehicle Coded Remote Switch & Harness	85067
23	1	Vehicle Accessory Power Splitter Harness	26-3000-CP05
24	2	Pan Head Screw, Zinc Plated, #10 x 0.75" LG	-
25	2	Flat Washer, Zinc Plated, M5	-
26	4	Hex Flange Screw, Zinc Plated, M8 x 1.25 - 25mm LG	7519739
27	1	Defender Vehicle Contactor Bracket	-
28	1	Hook Strap, Hand Saver, Orange	85071
29	1	Promo Decal	-
30	1	Instruction Guide	-
-	-	Service Free Spool Handle Knob (not included in kit)	85072

**Tools Required:**

- Safety Glasses
- Socket Set, Metric
- Socket Set, Metric
- Plastic pry bar (optional)
- Drill or cutting tools for plastic
- Hex Key Set, Metric
- Wrench Set, Metric
- Socket Set, Torx Bit
- 1" Hole Saw or Drill Bit
- Electric Drill or Dremel tool
- Pliers
- Torque Wrench
- 9/64" Drill Bit

**Assembly Time:** Approximately 30 minutes

*Note: The 26-7020 kit comes mostly assembled from factory. Some assembly is required.*

**Important:** Your Kolpin Defender Quick-Mount Winch Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown. Additional time may be required to accommodate other installed accessories.

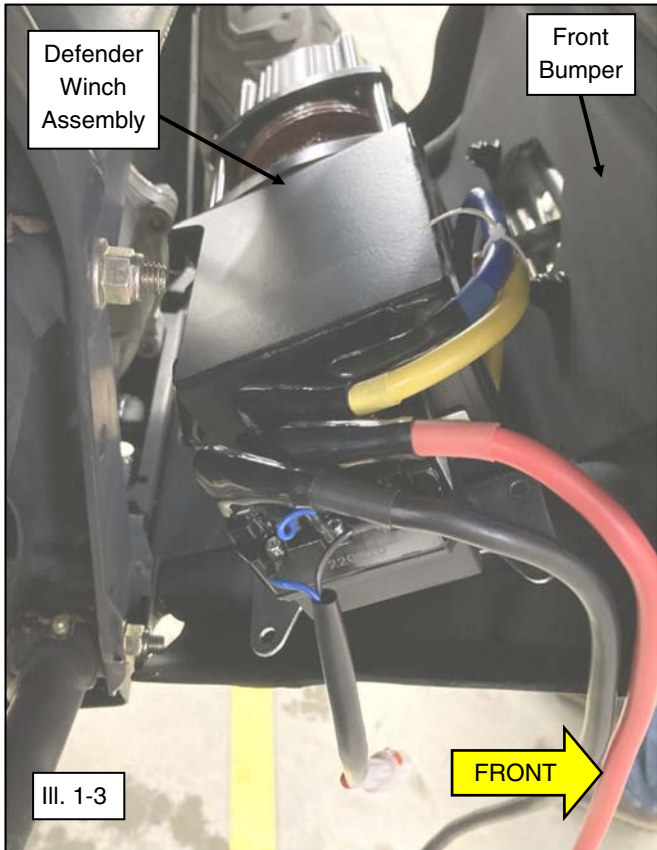
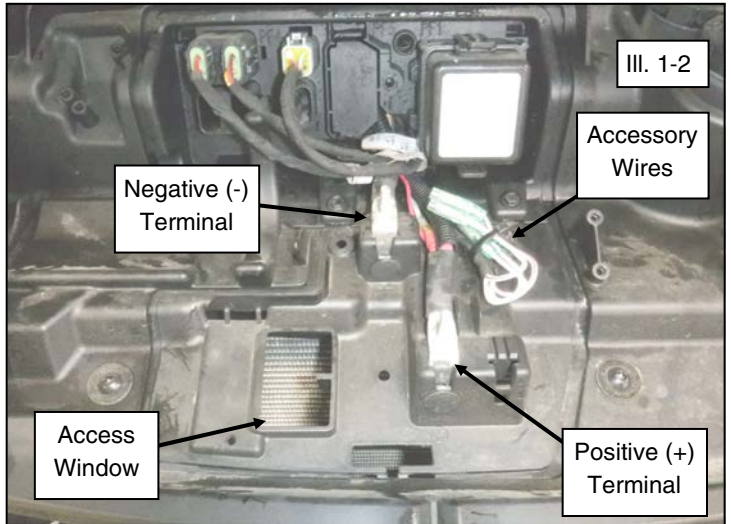
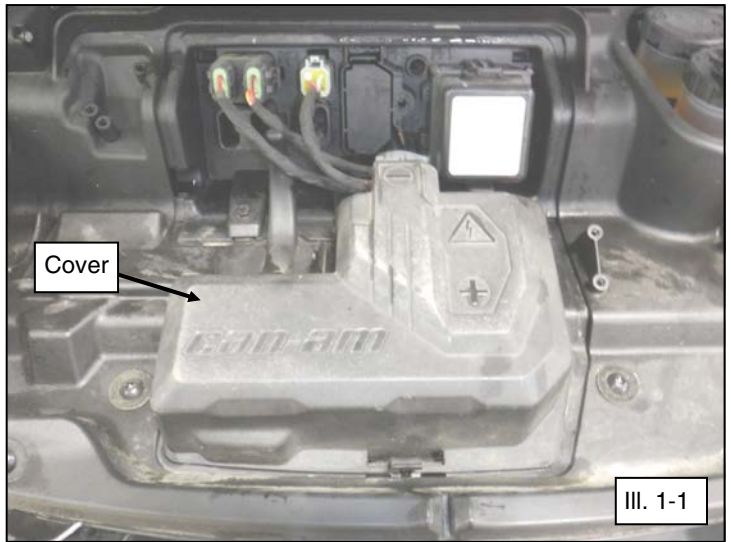
**DEFENDER PREPARATION:**

1. Shift vehicle transmission into "PARK". Turn key to "OFF" position and remove from vehicle.
2. To gain access to electrical connections, open the front hood. Remove the electrical terminal cover as shown. (See illustrations 1-1 and 1-2).
3. Locate the battery box, behind passenger seat and remove cover. Disconnect black (negative) and red (positive) cables from battery.

**⚠ WARNING ⚠**

**ALWAYS** disconnect black negative (-) cable from battery **FIRST**. Failure to do so will result in high current electrical arc, and may result in battery explosion if tool touches grounded frame. Death or serious injury may occur.

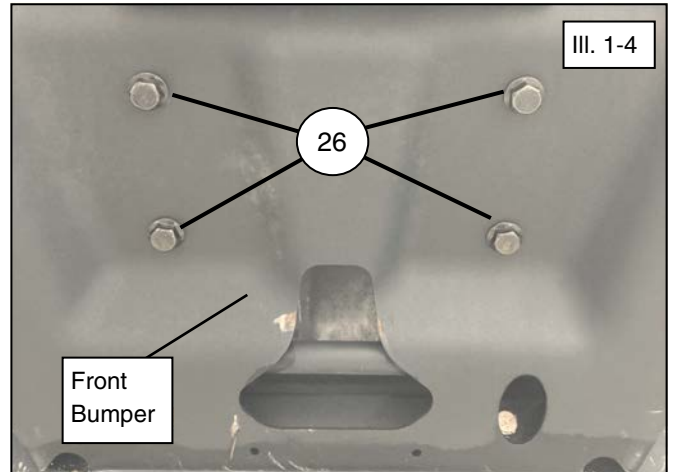
4. Remove the Defender winch assembly from the packaging.




**DEFENDER WINCH INSTALLATION:**

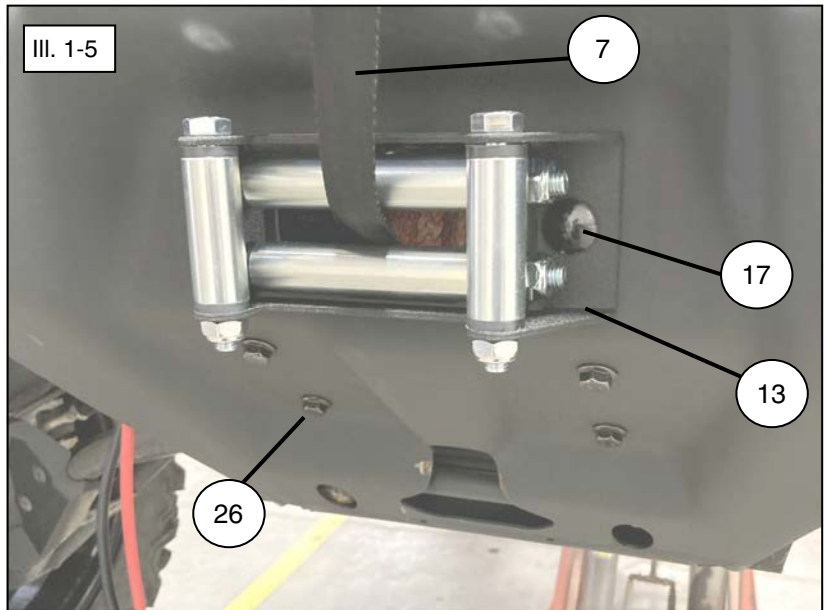
**NOTE:** See the *Electrical Connections Reference Guide* section of the instruction manual for detailed photos of each part and their respective connections.


5. From the right side of vehicle, position the winch assembly into the front bumper as shown. (See illustration 1-3).
6. Fasten the winch assembly to the front bumper using the M8 bolts (item #26). The bolts will install through the four holes in the front bumper. (See illustrations 1-4 and 1-5).
7. Tighten M8 hardware to torque specification.



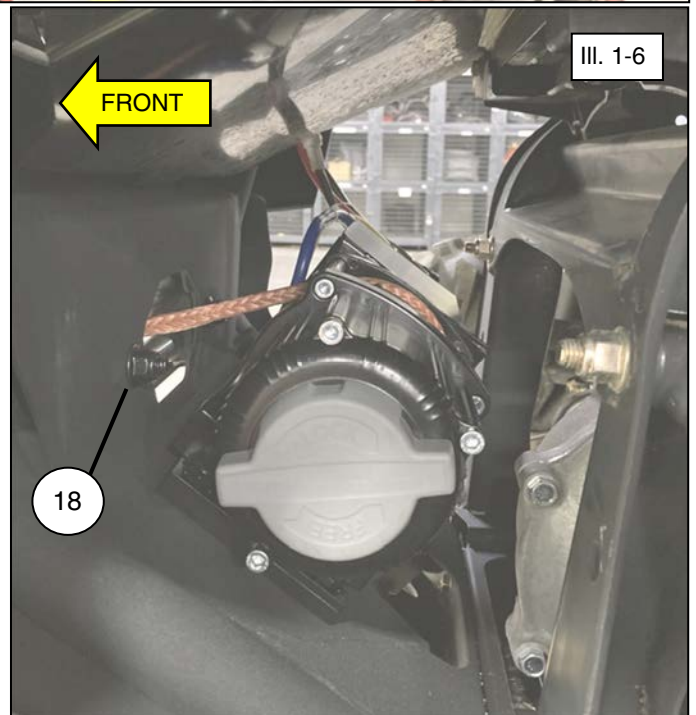
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<b>8MM FASTENER TORQUE:</b> 17 ft. lbs. (23 Nm)

8. Install roller fairlead (item #13) onto the front bumper using the M10 carriage screws (item #17) and fasten from behind using M10 lock-nuts (item #18) as shown. Pull the winch rope (item #7) thru the roller fairlead towards front. (See illustrations 1-5 and 1-6).
9. Tighten M10 hardware to torque specification.



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<b>10MM FASTENER TORQUE:</b> 34 ft. lbs. (46 Nm)

10. Remove the front plastic grille from vehicle as shown. (See illustration 1-7).
11. Assemble the rubber bumper (item #14), clevis hook (item #6) and hand saver strap (item #28) onto the winch rope as shown. (See illustration 1-8).

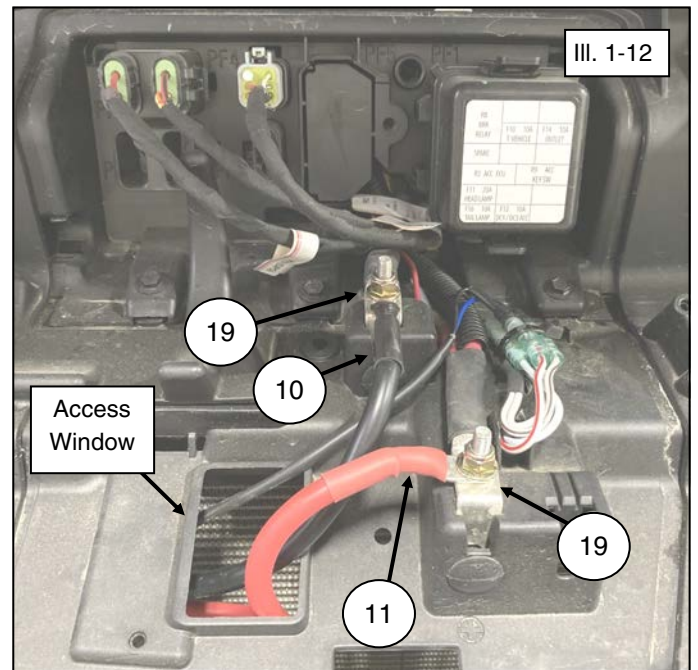
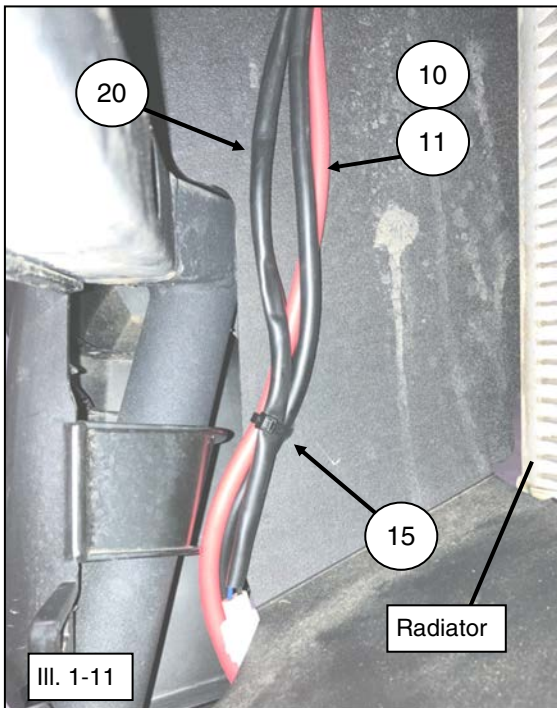
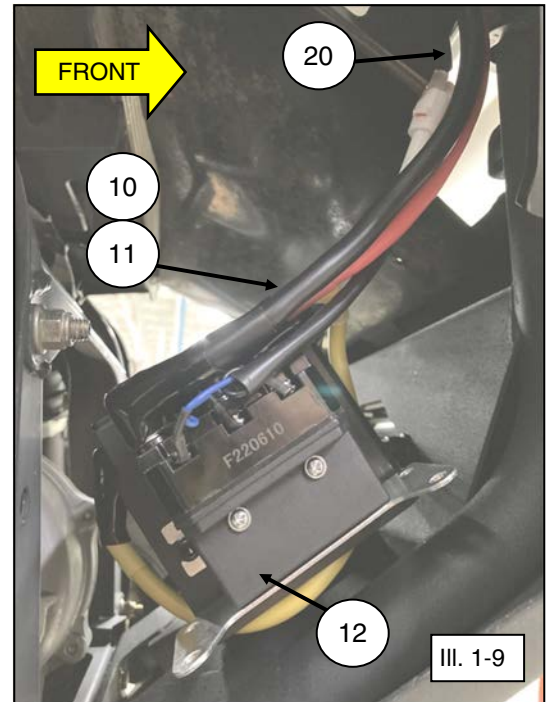
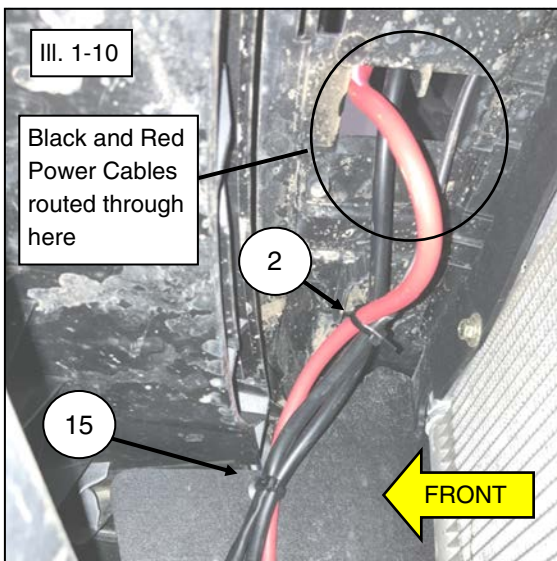
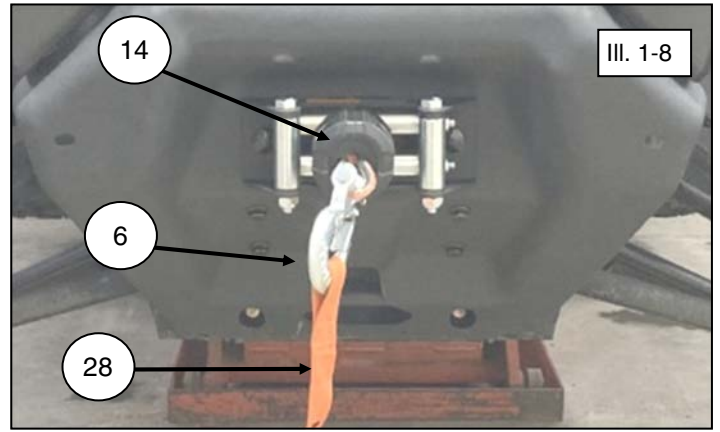




**DEFENDER WINCH INSTALLATION (continued):**


11. From the grill access opening / fan shroud area, route the black power connection cable (item #10) and the red power connection cable upwards and thru the access window under hood as shown. Using the fir-tree clip plastic cable ties (item #15), secure the black and red power cable to the two holes within the RH fan shroud wall. (See illustrations 1-9, 1-10, 1-11 and 1-12). **Note, do not tighten the plastic straps at this time.**

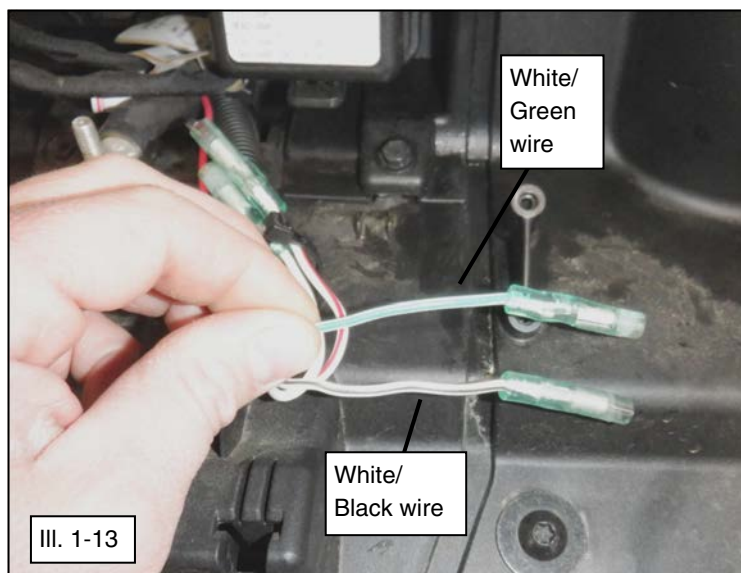
12. Connect the Defender contactor harness (item #20) to the contactor white connector (item #12) and route the harness alongside the red and black power cables. Secure using plastic cable ties. (See illustrations 1-9, 1-10, 1-11, and 1-12).



## DEFENDER WINCH INSTALLATION (continued):

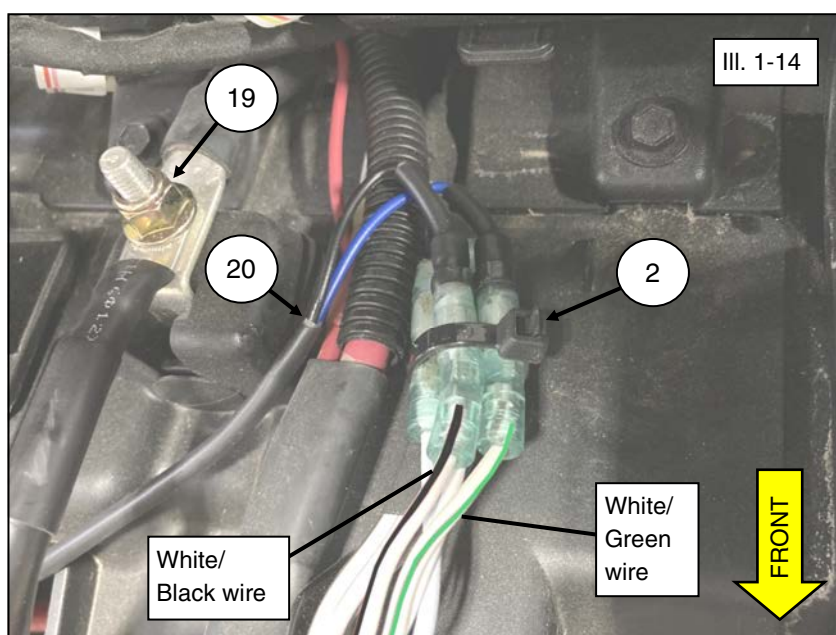
- Using the provided M6 locknuts (item #19), install the red power cable (item #11) and black power cable (item #10) onto each respective power terminal under front hood as shown. (See illustration 1-12).
- Tighten the M6 hardware as specified below.

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<b>6MM TERMINAL NUT FASTENER</b>
<b>TORQUE:</b>
3 ft. lbs. (4.0 Nm)



- Locate the white/green wire and white/black wire under the hood in the accessory wire bundle. (See illustration 1-13).

- Connect the blue wire bullet connector of Defender contactor harness (item #20) into the white/green stripe wire connector. Connect the black wire bullet connector of Defender contactor harness into the white/black stripe wire connector. Secure the bundle using plastic cable tie (item #2) as shown. (See illustration 1-14).

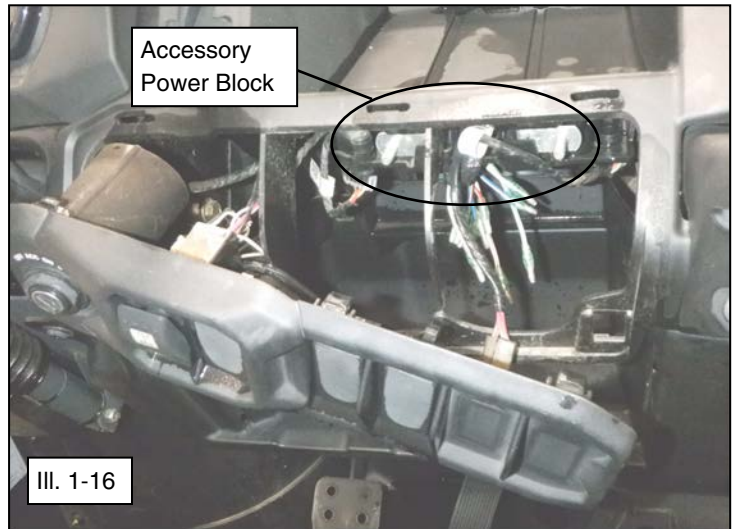
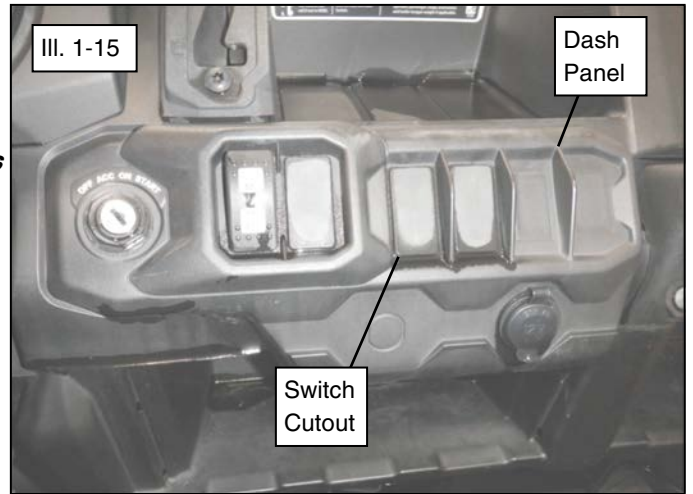





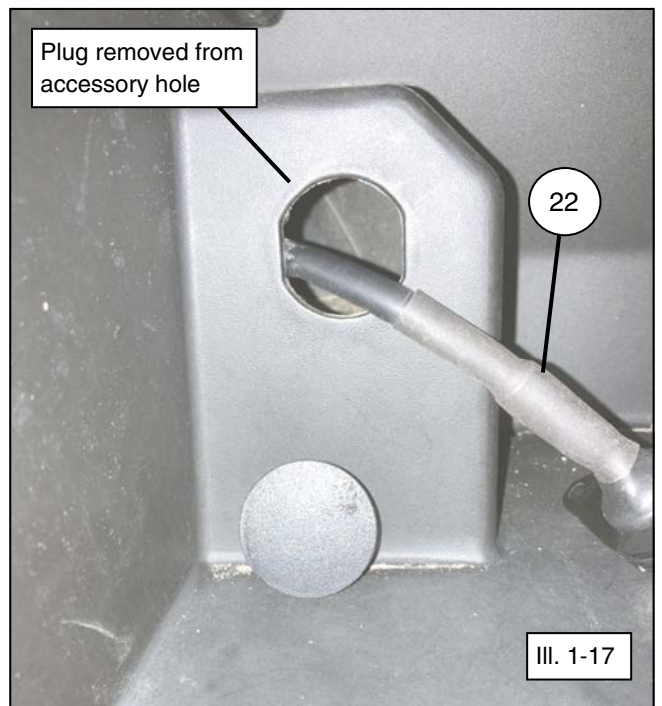
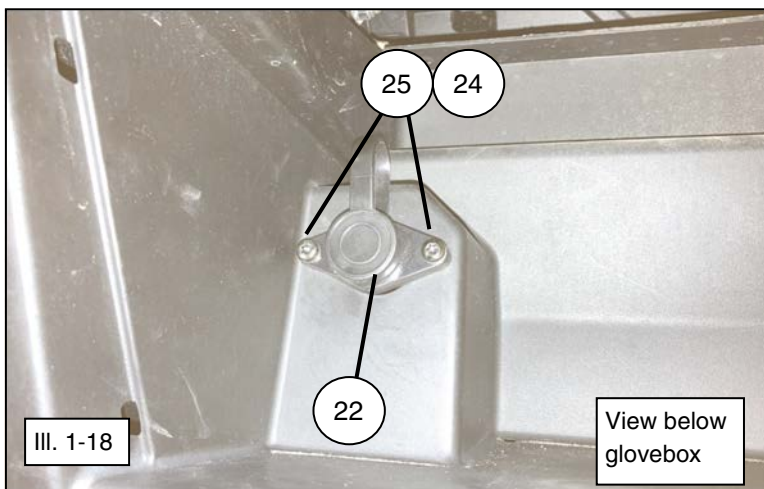
**DEFENDER CORDED REMOTE SWITCH INSTALLATION:**

**NOTE:** See the *Electrical Connections Reference Guide* section of the instruction manual for detailed photos of each part and their respective connections.

17. Using a plastic pry bar tool, remove the vehicle dash switch panel as shown. (See illustrations 1-15 and 1-16). **Note, the pry bar is optional, but it could help minimize scratches and damage to plastic dash, during removal.**
18. Locate the accessory plug hole below the glovebox. Remove the plug and route the corded remote harness - receptacle half (item #22) thru the hole, behind the dash and then behind the dash switch panel opening. (See illustration 1-17). Skip to step 20. **Note, if your vehicle is not equipped with pre-drilled access plug hole, you will have to drill hole into location, follow step 19 below.**
19. Find your desired location to mount corded remote receptacle. Drill thru the plastic wall at the outer two holes using a 9/64" (3.5mm) diameter bit. Drill the center hole using 1" (25mm) diameter bit.
20. Install the dash socket flange connector (item #22) using the supplied M5 flat washers (item #25) and small screws (item #24) into the glovebox panel as shown. (See illustration 1-18).
21. Torque screws to the specification listed, being careful not to overtighten.



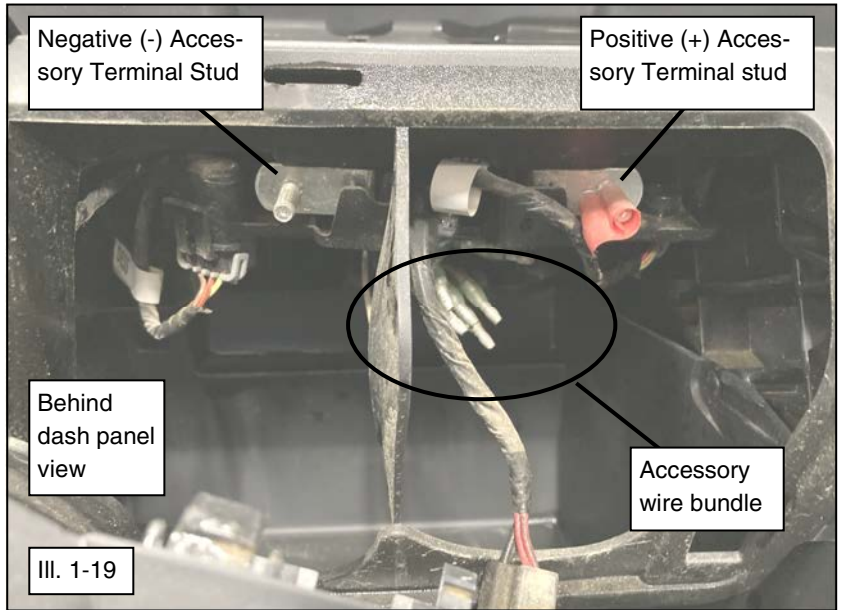
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<b>SWITCH SCREW FASTENER TORQUE:</b> 2 ft. lbs. (2.7 Nm)



**DEFENDER CORDED REMOTE SWITCH INSTALLATION (continued):**

**NOTE:** See the *Electrical Connections Reference Guide* section of the instruction manual for detailed photos of each part and their respective connections.

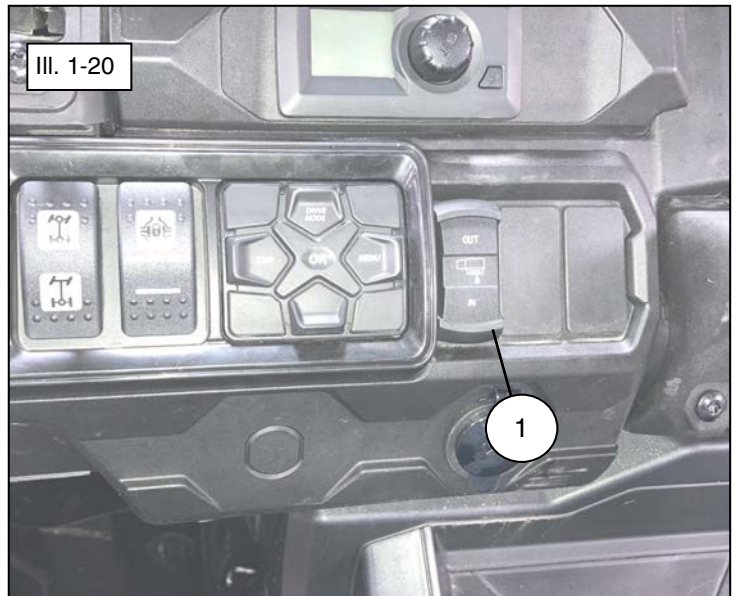
22. The corded remote harness (item #22) has a white connector and a red wire with bullet connector. The red wire end will plug into the 3-way splitter harness (item #23). The white connector will plug into the white connector of the Defender dash switch harness (item #21). The instruction steps will continue with installing the Dash Panel Switch (item #1) and connecting together with Corded Remote Switch, behind the dash panel. (See illustrations 1-19 and 1-24).



**DEFENDER DASH MOUNT SWITCH INSTALLATION:**

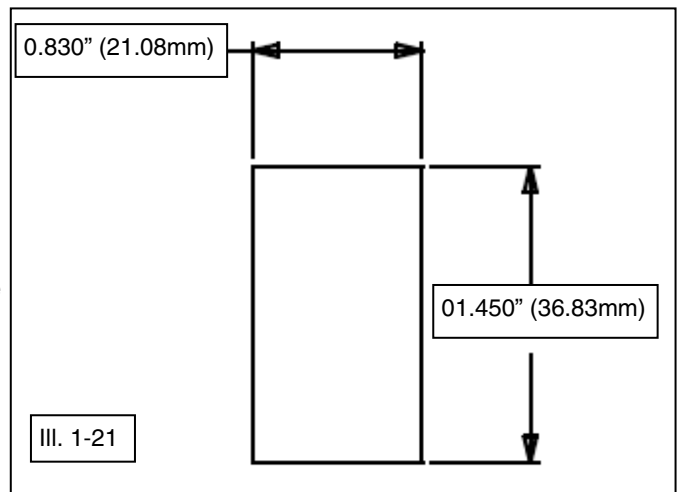
**NOTE:** See the *Electrical Connections Reference Guide* section of the instruction manual for detailed photos of each part and their respective connections.

23. Install dash mount switch (item #1) to desired location on your dash. Check to see if your vehicle has marked rectangular predefined switch location and trim area out. If not, use the cut-out dimensions shown below to cut-out the switch location in your desired location. (See illustrations 1-15, 1-20, 1-21 and 1-22). **Note, the pattern shown in 1-21 may not be printed to scale, make sure to mark and measure before cutting.**



24. Connect the dash mount switch (item #1) to the Defender Vehicle Dash Switch Harness (item #21). Connect green wire to the "Out" pin, red wire to the middle pin and black wire to the "In" pin as shown. (See illustrations 1-22 and 1-25).

25. Insert the dash switch harness and switch assembly thru the panel hole as shown. The switch will clip into the dash panel. (See illustrations 1-20 and 1-25).





**DEFENDER DASH MOUNT SWITCH INSTALLATION  
(continued):**

**NOTE:** See the *Electrical Connections Reference Guide* section of the instruction manual for detailed photos of each part and their respective connections.

26. From under the dash area, locate the vehicle accessory wire bundle. Connect the black lead wire from dash switch harness (item #21) to the White / Black stripe vehicle accessory wire as shown. Connect the green wire from dash switch harness to the White / Green stripe vehicle accessory wire. (See illustrations 1-19, 1-23, 1-24 and 1-25).

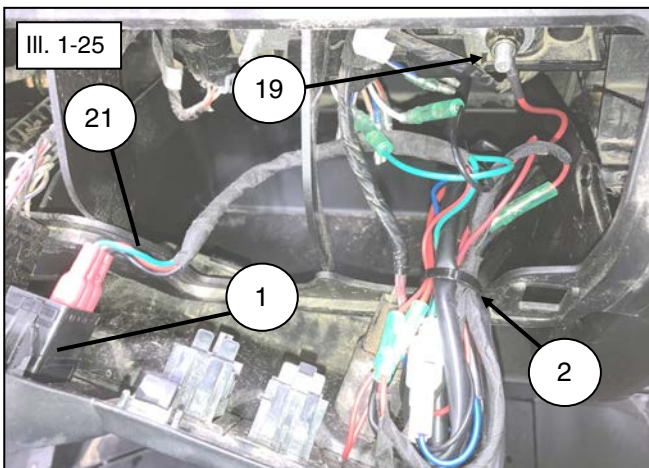
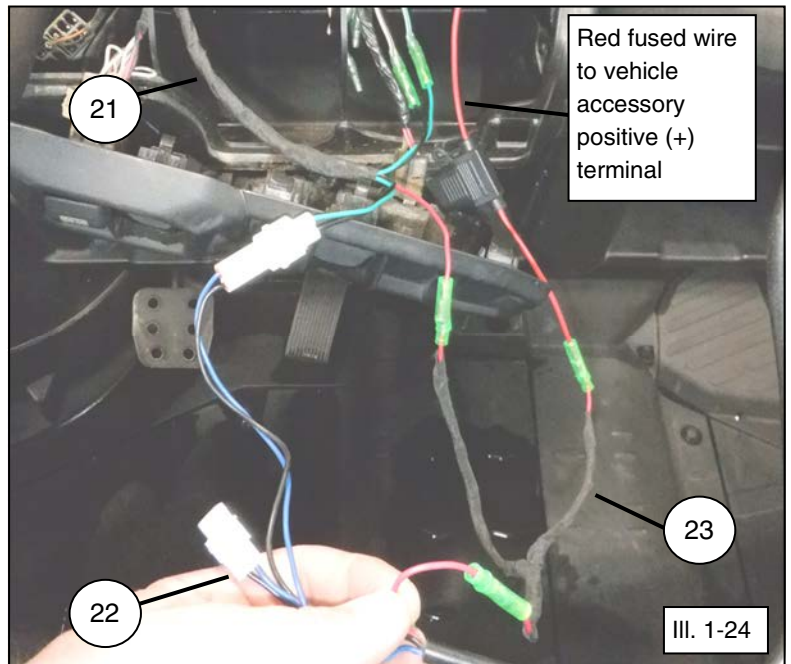
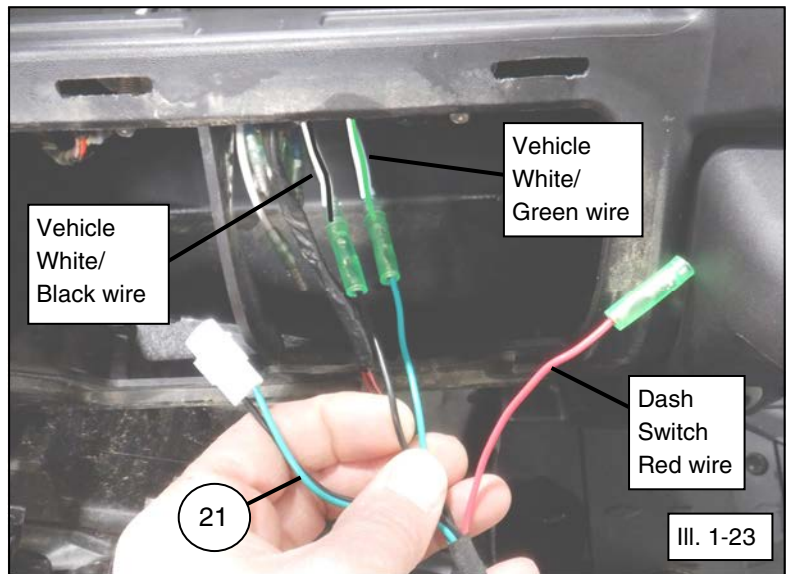
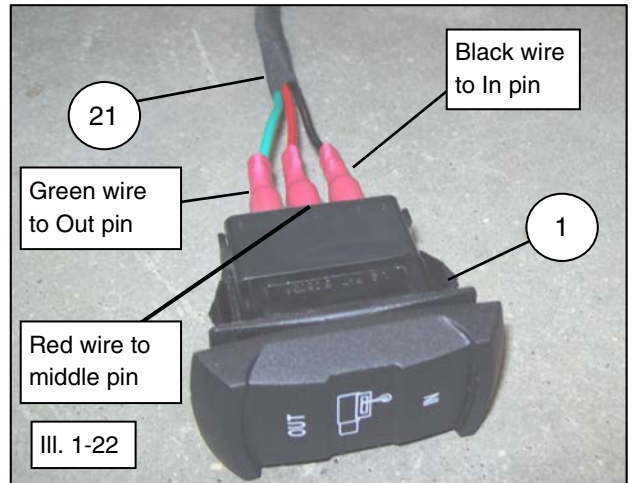
27. From under the dash area, connect the red lead wire from dash switch harness (item #21) into the Accessory Power Splitter Harness (item #23) red wire receptacle, as mentioned in previous step 22. (See illustrations 1-24 and 1-25).

28. Connect the white connector of the dash switch harness (item #21) into the pigtail Corded Remote Switch harness white connector as shown (item #22), previously discussed in step 22. (See illustration 1-24).

29. Remove the red tape from vehicle accessory terminal stud under the dash. Install the red fused wire harness ring connector of corded remote harness (item #22) onto the vehicle accessory positive terminal stud under the dash. Fasten using the M6 locknut (item #19). (See illustrations 1-19, 1-24, 1-25 and 1-26.)

30. Secure wire bundle using plastic cable tie (item #2) and tuck neatly under dash. (See illustrations 1-25 and 1-26).

31. Reinstall the dash switch panel into the vehicle dash.

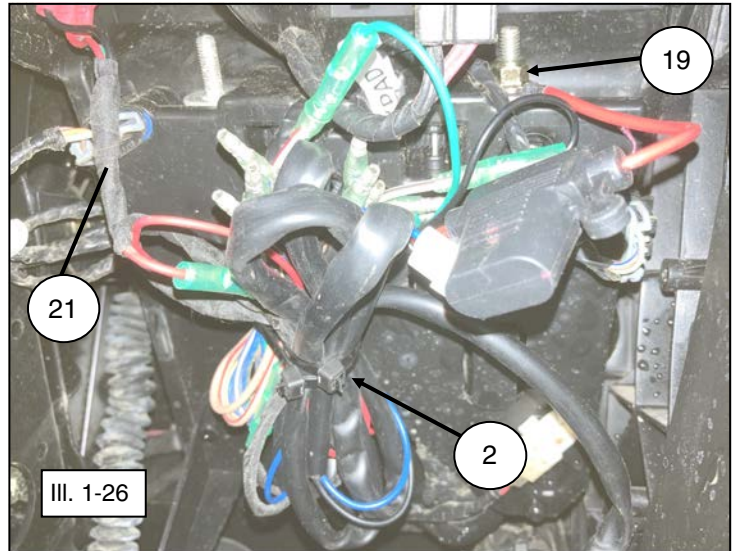


### DEFENDER FINAL INSPECTION:

- 32. Confirm that all wiring is correct.
- 33. Confirm that there are no exposed wires or terminals.
- 34. All loose wires need to be wrapped tight, and secured away from moving parts and heat sources.

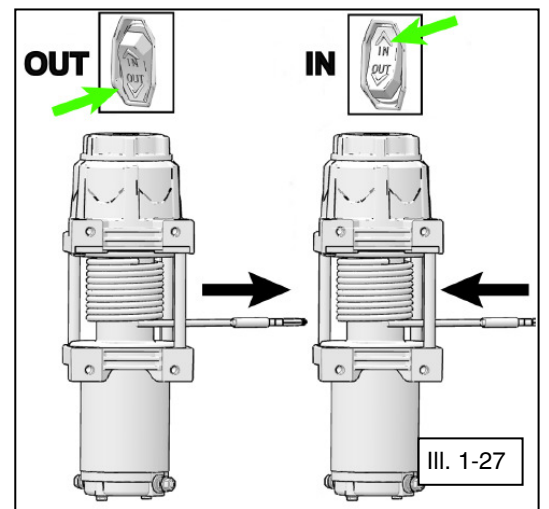
### DEFENDER REINSTALLATION:

- 35. Reinstall the electrical terminal cover under the front hood.
- 36. Reconnect the red (positive) and black (negative) cables to battery terminals at this time using original hardware. Reinstall battery body cover.
- 37. Connect the corded winch remote switch (item #22) into receptacle.
- 38. With vehicle key in the ON position, check winch for proper operation.



### CONTROL SWITCH OPERATION:

When properly installed, the control switches allow you to operate the winch while seated in the vehicle using the dash switch or remotely using the corded switch. Proper switch operation is shown. (See illustration 1-27).



For additional assistance, please contact Kolpin customer service department at (877) 956-5746 or (763) 478-5800 or email [customerservice@kolpin.com](mailto:customerservice@kolpin.com)

### Five Year Mechanical Limited Warranty and Three Year Electrical Limited Warranty

For the period of five (5) years from the purchase date, Kolpin will replace for the original purchaser, free of charge, any mechanical part or mechanical parts found upon examination by Kolpin to be defective in material, workmanship, or both. For the period of three (3) years from the purchase date, Kolpin will replace for the original purchaser, free of charge, any electrical part or electrical parts found upon examination by Kolpin to be defective in material, workmanship, or both.

All transportation costs incurred submitting product to Kolpin for warranty consideration must be borne by the purchaser. If Kolpin determines that the product must be returned to the factory for credit, please call 1-877-956-5746 for a Return Merchandise Authorization (RMA) number and shipping instructions.

This warranty does not apply to parts that have been damaged by accident, alteration, abuse, improper maintenance, normal wear, or other causes beyond the manufacturer's control. In order to protect you and your ATV, certain parts of the winch/plow system and/or hardware are designed to fail when the equipment is over-stressed. Parts that are lost due to loosening and improper maintenance are not covered under warranty. This warranty does not cover removal or reinstallation labor fees of the winch/plow system and related components.

Peripheral products such as engines, electric motors, and actuators may carry an original manufacturer's warranty. Most hardware is general in nature and is easily obtained locally. Be sure to replace with minimum metric class 8.8 specification.

Kolpin Outdoors, Inc.

[www.kolpin.com](http://www.kolpin.com)

## TROUBLESHOOTING

If your winch is not functioning properly, below is a short guide that can help you diagnose and correct the problem.

Symptom	Possible Causes	Recommended Solution
Winch will not operate	Contactors not receiving power	Turn vehicle key on.
	Connections between components not in proper order	Check connections. Connect wired handlebar switch connection from vehicle main wire harness directly to contactor to make sure a direct connection will operate the winch. If connections are not in the order shown in the pictures in the last page, the whole system may not function or only certain parts of it will function.
	Loose battery cable connections	Tighten nuts on all cable connections.
	Keyed power circuit (orange wires) not properly powered	Check fusebox for 10A accessory circuit. Check voltage in certain places, especially orange wires coming out of the main harness by the steering post.
	Contactors malfunctioning	Tap contactor to loosen contacts. Apply 12 volts to coil terminals directly. A clicking indicates proper activation.
	Defective switch assembly	Replace switch assembly.
	Defective motor	Check for voltage at armature port with switch pressed. If voltage is present, replace winch assembly.
	Nested and bounded cable within winch assembly	Move free spool knob to the "free spool" position. Manually pull cable out of winch until end is met and then re-spool cable back into winch.
	Water has entered motor	Allow to drain and dry. Run in short bursts without load until completely dry.
Winch makes noise but rope does not move	Contactors powered, but not winch	If you can hear a clicking sound when you press the winch control but the winch does not make any sounds, check the connections between the winch and the contactor.
	Winch not in proper gear	Move free spool knob to the "locked spool" position, then recheck. If problem persists, a qualified technician needs to check and repair.
Winch operates too slowly	Winch improperly loaded	Check that the winch is clear and the rope is not bound up and
	Insufficient current or voltage	The battery is weak, recharge. Run winch with vehicle motor running (battery should have a strong charge).
	Loose or corroded battery cable connections	Clean, tighten, or replace.
Winch overheating	Winch running time too long	Allow winch to cool down periodically.
Winch operates in one direction only	Defective or stuck contactor	Tap contactor to loosen contacts.
		Repair or replace contactor.
	Defective switch assembly	Replace switch assembly.
	Defective brake assembly	Replace winch assembly.

**Note: If any hardware is missing, do not return to the store. Call us to help, Toll Free 1-877-956-5746.**

### NOTE

For further technical support, contact our help line at 1-877-956-5746.



## ELECTRICAL CONNECTION REFERENCE GUIDE:

Defender:

Winch with Roller Fairlead, Dash Switch and Corded Remote Switch

