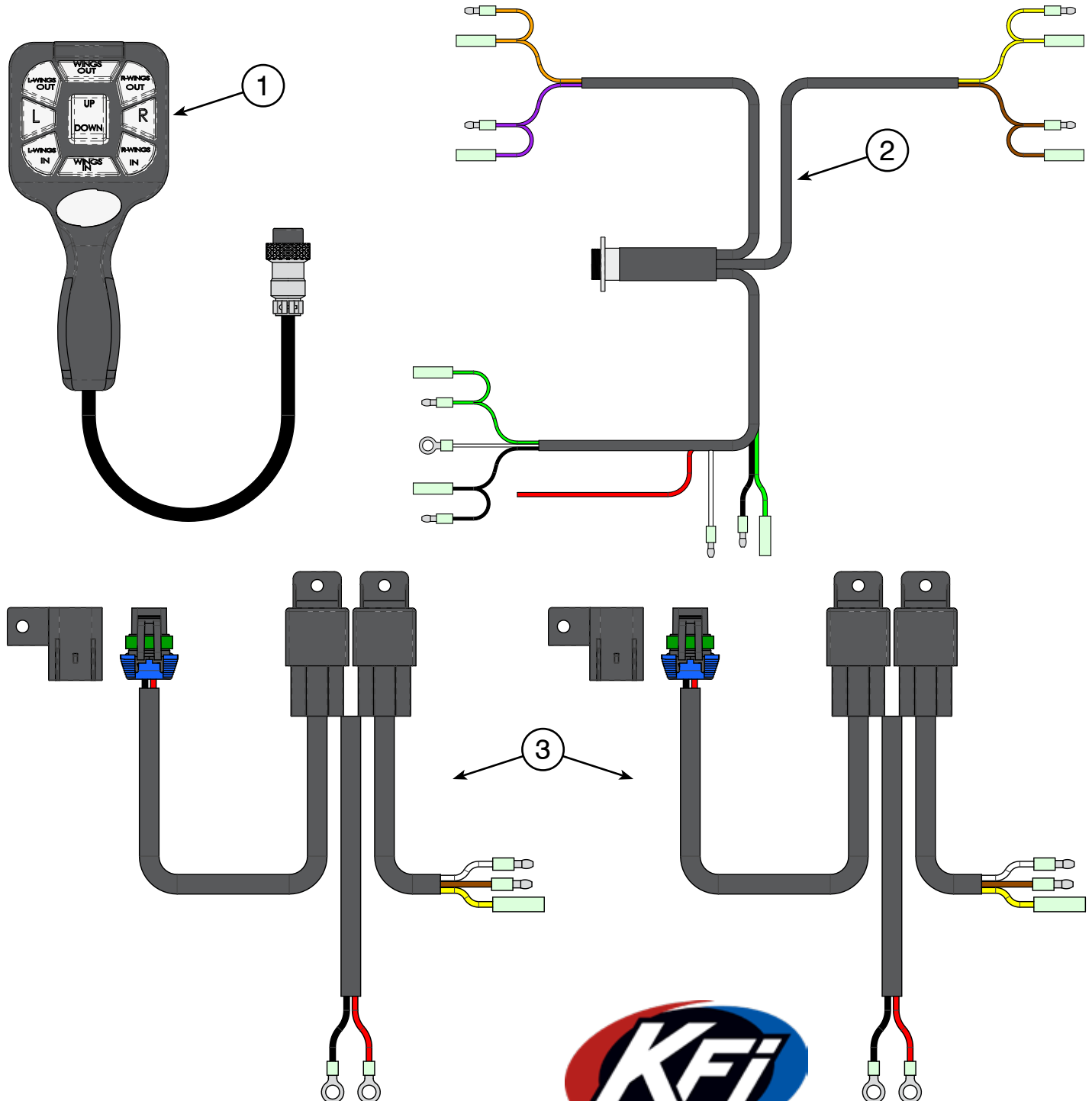


# V PLOW HAND REMOTE

## PART #106180-APH Rev A

Kit Components 106180-APH		
Item #	Qty.	V-Plow Hand Remote Kit
1	1	Hand Remote (ACT-VHR)
2	1	Hand Remote Harness (ACT-HR-HAR)
3	2	Main Actuator Harness (ACT-HAR)

DESIGNED TO BE COMPATIBLE WITH KFI AND OTHER BRAND WINCHES. FOR NON-KFI WINCHES, USE THE PROVIDED CONNECTORS TO TAP INTO THE "IN" AND "OUT" WIRES ON THE WINCH CONTACTOR.



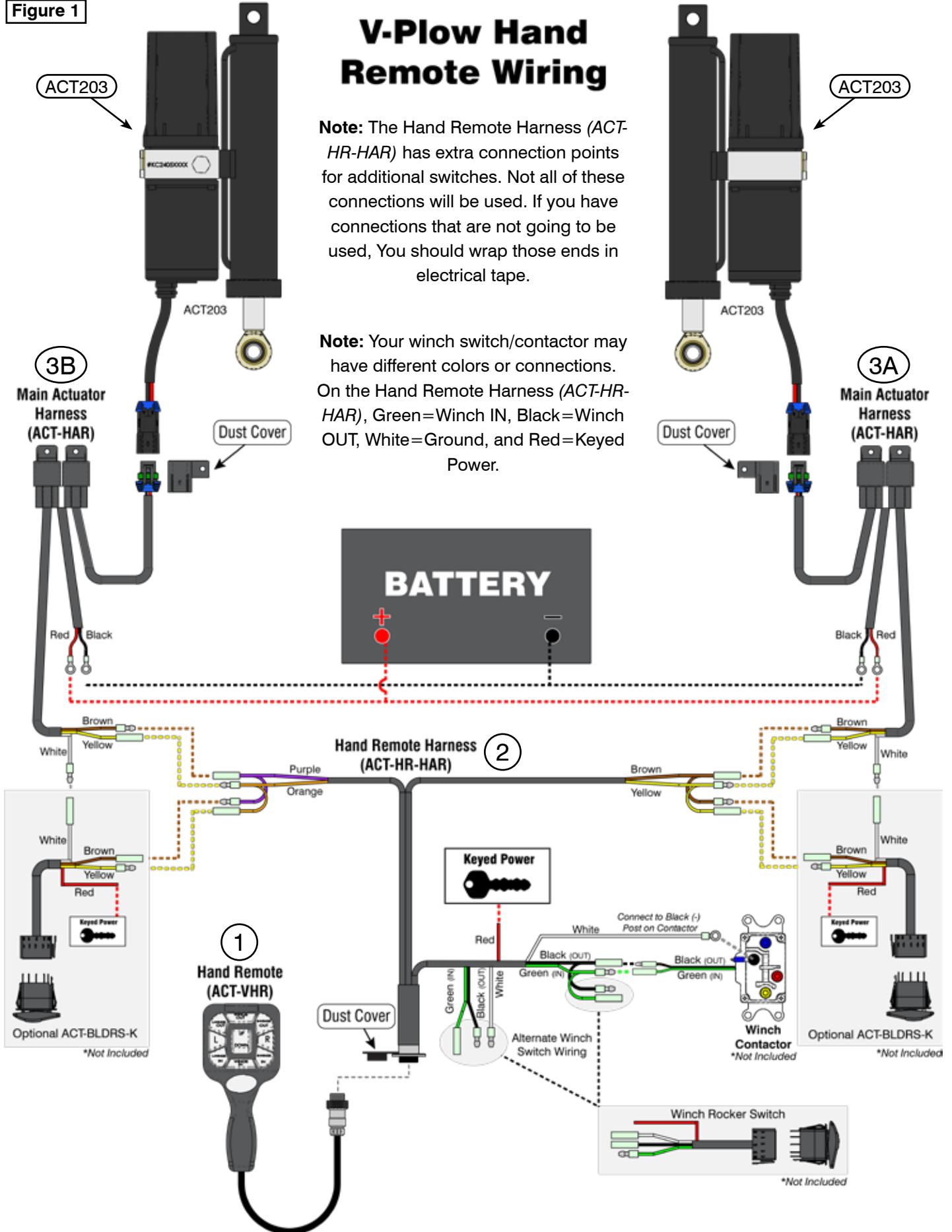
# WIRING INSTRUCTIONS 106180-APH

Figure 1

## V-Plow Hand Remote Wiring

**Note:** The Hand Remote Harness (ACT-HR-HAR) has extra connection points for additional switches. Not all of these connections will be used. If you have connections that are not going to be used, You should wrap those ends in electrical tape.

**Note:** Your winch switch/contactor may have different colors or connections. On the Hand Remote Harness (ACT-HR-HAR), Green=Winch IN, Black=Winch OUT, White=Ground, and Red=Keyed Power.



# WIRING INSTRUCTIONS 106180-APH

## Notice

Be careful to not crimp/cut any wires during the install. Keep wires away from sharp and hot objects when securing to the machine.

**Note:** Make sure components needed to complete this installation are in the package. Thoroughly read through and understand the instructions before installing.

## Installation Instructions

1. Connect the Red and Black wires from the **Main Actuator Harness (3A and 3B)** to the battery. See **Figure 1** for reference.
  - Red wires to the Positive (+) terminal
  - Black wires to the Negative (-) terminal
2. Splice the end of the red wire from the **Hand Remote Harness (2)** into a power source that is controlled by the ignition (Keyed Power). Use a test light to identify a wire that receives power only when the key is in the ON position.
3. Connect the green and black wires on the **Hand Remote Harness (2)** to the green and black wires on the winch contactor. Then, connect the white wire to the negative (-) post on the contactor.
4. Connect the Brown and Yellow wires from the **Hand Remote Harness (2)** to the **Main Actuator Harness (3A)**:
  - Brown (Female) to Brown (Male)
  - Yellow (Male) to Yellow (Female)
5. Connect the Purple and Orange wires from the **Hand Remote Harness (2)** to the **Main Actuator Harness (3B)**:
  - Purple (Female) to Brown (Male)
  - Orange (Male) to Yellow (Female)
6. Choose a suitable location to mount the 8-pin panel plug on the **Hand Remote Harness (2)**. Ideally, place it under the dash on a flat surface, but feel free to mount it wherever is most convenient. Once you've selected the spot, drill a **3/4" (19mm) hole**. If necessary, the hole may need to be enlarged so the panel plug fits snugly. Secure the plug using the supplied screws, **being careful not to overtighten them**. Refer to **Figures 2 and 3** for details.
7. Find a clean and dry location to mount the relays. Make sure the location you choose allows sufficient clearance from all metal components. Keep away from sharp and hot objects when securing. Drill a mounting hole if required. Secure with zip ties or self tapping screws.
8. When the **Hand Remote (1)** is not in use, always cover the panel plug on the **Hand Remote Harness (2)** with

the dust cover to keep it clean. Be sure to store the Hand Remote (1) in a safe location when not in use. See **Figure 2**.

9. Use zip ties to secure the dust covers on the **Main Actuator Harnesses (3A and 3B)** to the front of the machine. Ensure they are positioned so the plugs going to the actuator (ACT203) can be easily connected when the plow is not in use.
10. See the manual included with the **Hand Remote (1)** for information on pre-programmed controls and button layout.
11. If additional controls are wanted for the V Plow, see **Figure 1** for how to add (2x) **Dash Rocker Switches (ACT-BLDRS-K)** to your set up.

