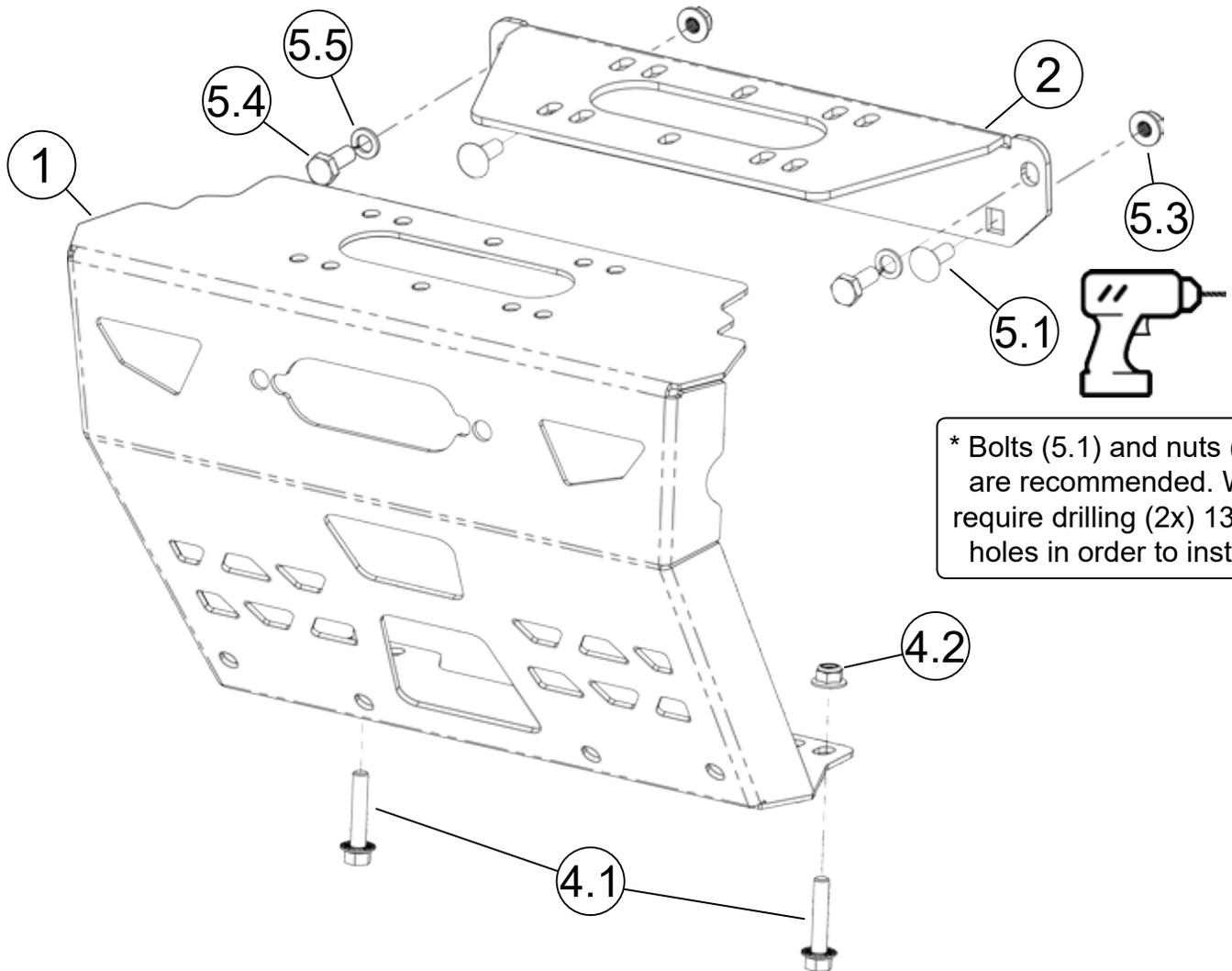


RANGER / BOBCAT WINCH BUMPER

Winch Mount

PART #101830



* Bolts (5.1) and nuts (5.3) are recommended. Will require drilling (2x) 13/32" holes in order to install.

Item #	Qty.	Description
1	1	Fairlead Bumper
2	1	Winch Mount
3	1	HK-031 (See Figure 13)
4	1	Hardware Kit (HK-354)
4.1	2	3/8"-16 x 1.75" Hex Flange Bolt
4.2	2	3/8"-16 Hex Flange Nylock Nut

Item #	Qty.	Description
5	1	Hardware Kit (HK-339)
5.1*	2	3/8"-16 x 1.00" Carriage Bolt
5.2	2	3/8"-16 x 1.00" Hex Flange Bolt
5.3*	4	3/8"-16 Hex Flange Nylock Nut
5.4	2	M10-1.50 x 25 Hex Bolt
5.5	2	M10 Lock Washer

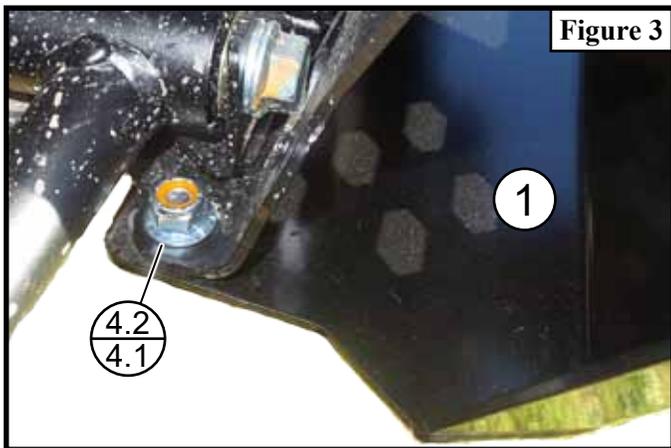
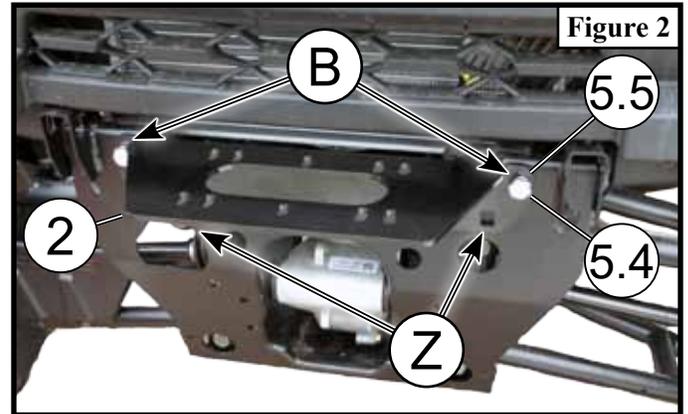
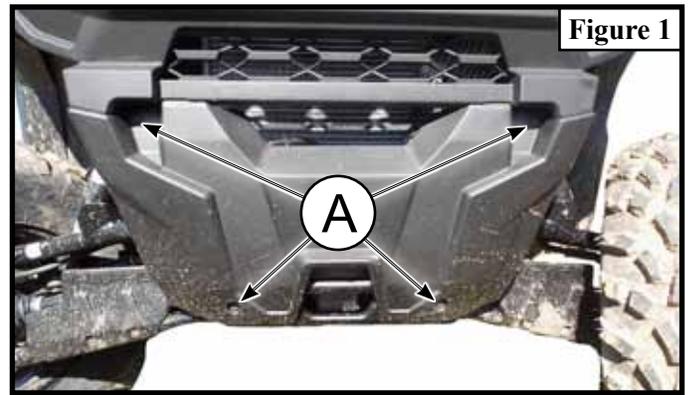
* Hardware not required but recommended for this mount.



RANGER INSTALLATION INSTRUCTIONS

Note: Make sure all hardware needed to complete this mount is in the package. Thoroughly read through and understand the instructions before installing.

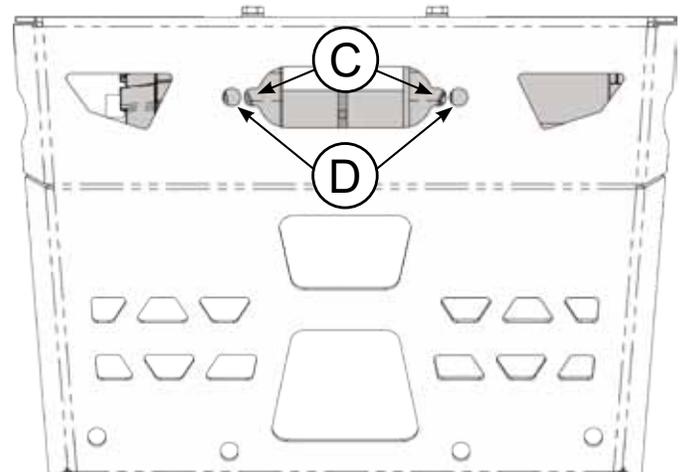
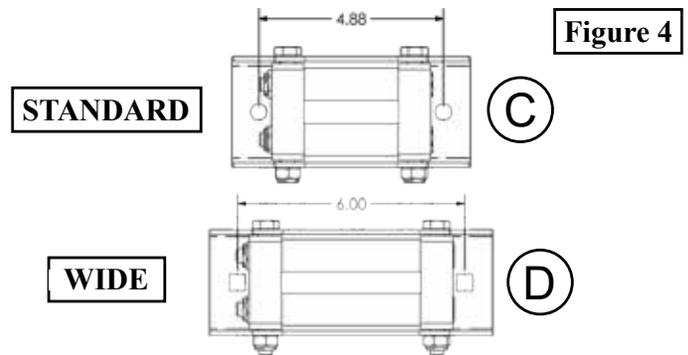
1. Remove the front plastic bumper by removing (4X) OEM torx bolts (A) as shown in **Figure 1**.
2. Install winch mount (2) using bolts (5.4) and lock washers (5.5) in holes (B) as shown in **Figure 2**. Tighten hardware evenly. ***Recommended*:** Drill holes (13/32" bit) for extra bolts to be installed. (5.1 & 5.3) are included in HK-339. See (Z) in **Figure 2**.
3. Place top flange of the fairlead bumper (Item 1) on top of winch mount (Item 2) as shown in **Figure 7**. Line up bottom holes in the fairlead bumper (1) to the holes found on the bottom of the machine. Loosely install bolts (4.1) and nuts (4.2) making sure the nut is on the top side. Do not tighten yet. See **Figure 3**.



4. Align fairlead holes with holes on the fairlead bumper. See **Figure 4** for determining which fairlead holes to use.

Note: If the fairlead supplied with the winch does not match bolt pattern shown in **Figure 4**, one will need to be purchased that does.

5. Install fairlead to fairlead bumper using bolts and nuts supplied with the winch. See **Figure 5**. Fully tighten fairlead.



6. For a 2-Hole mounted winch, use holes (E). For standard 4-Hole winches, use holes (F). For wide 4-Hole winches, use holes (G) as shown in **Figure 6**.

7. Loosely attach the winch upside down to winch mount and fairlead bumper using the hardware supplied with the winch. Make sure the cable is spooling off the winch between the spool and the winch mount, as shown in **Figure 7**.

8. Tighten hardware from steps 3 & 7.

Note: If the winch terminals contact or come close to contacting the machine, you may need to rotate the motor end cap.

9. Double check all hardware is tight and rope or cable moves freely.

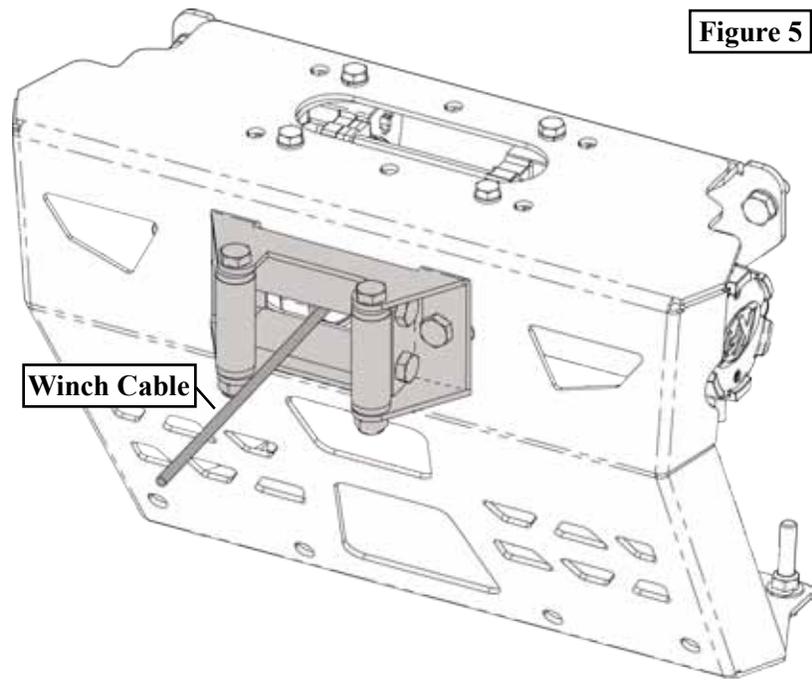


Figure 5

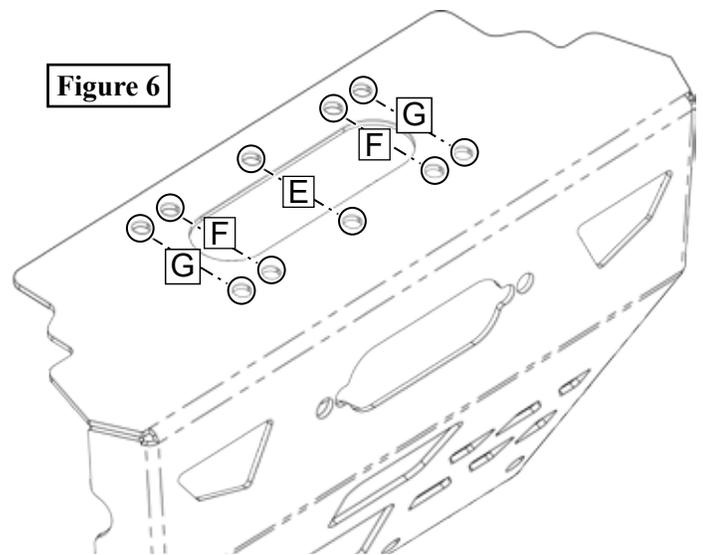


Figure 6

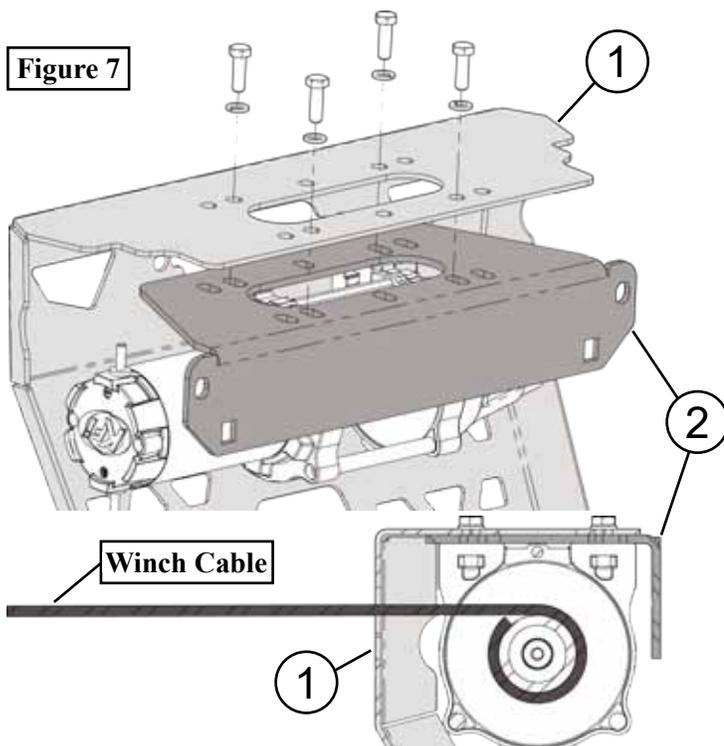


Figure 7

POLARIS WIRING INSTRUCTIONS

1. Under the hood you will find the contactor location with holes pre-drilled shown in Figure 10.

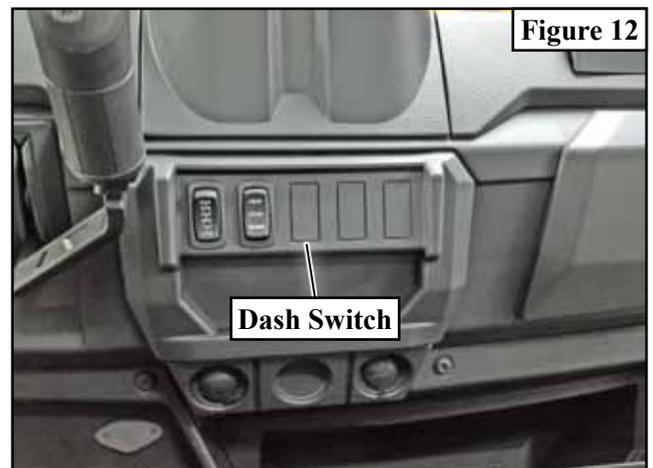
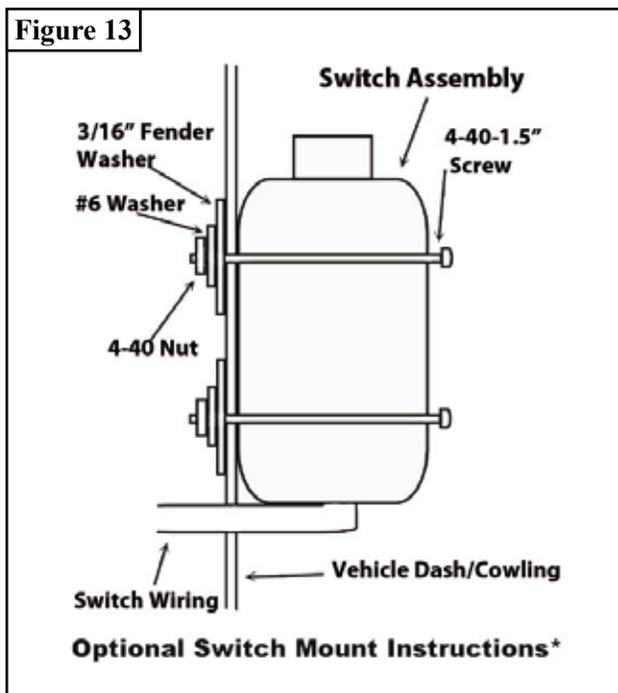
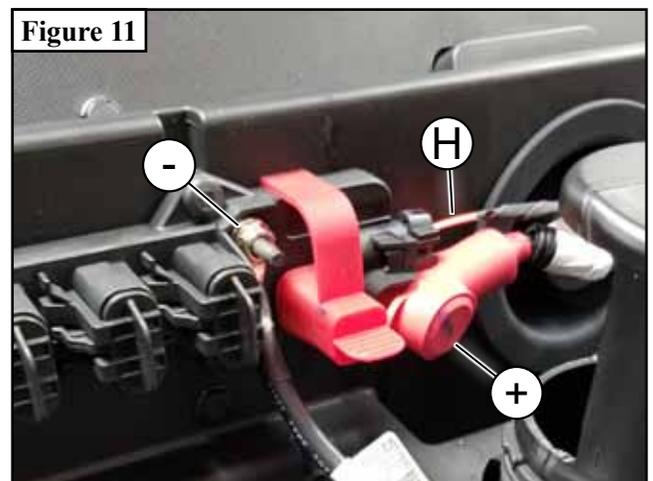
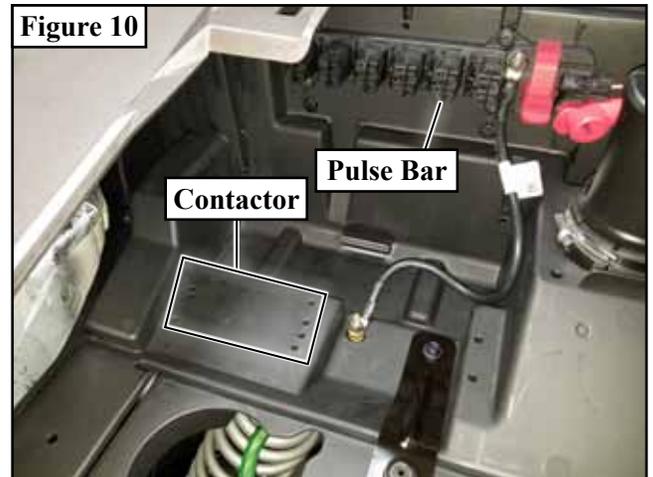
Note: Contactor bolts will create threads in the plastic when threaded in. This is normal.

2. Run the red positive (+) battery wire from the contactor to the positive (+) post on the pulse bar. Run the black ground wire (-) from the contactor to the ground (-) post on the pulse bar shown in Figures 10 & 11.

3. In the center console of the ranger, there are pre-notched holes for the dash rocker switch to mount as shown in Figure 12.

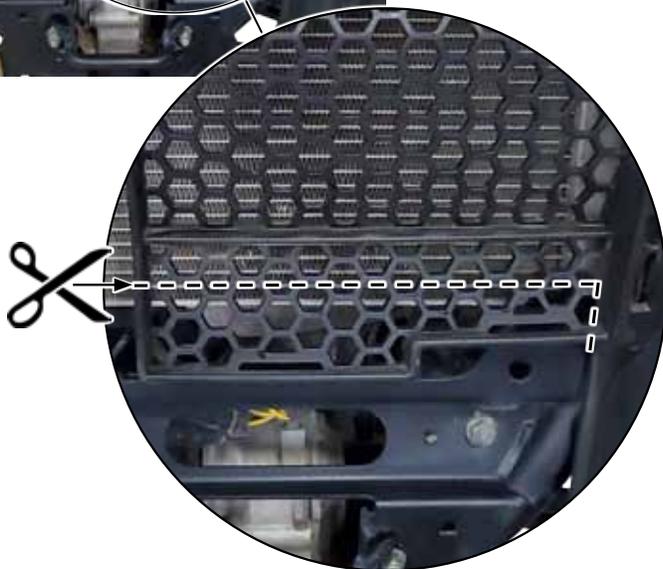
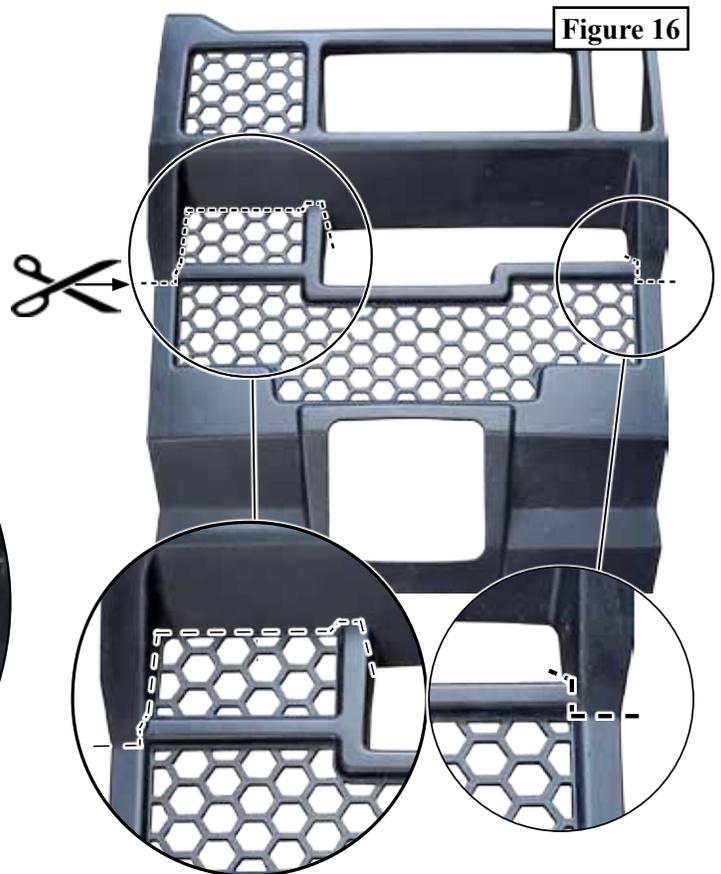
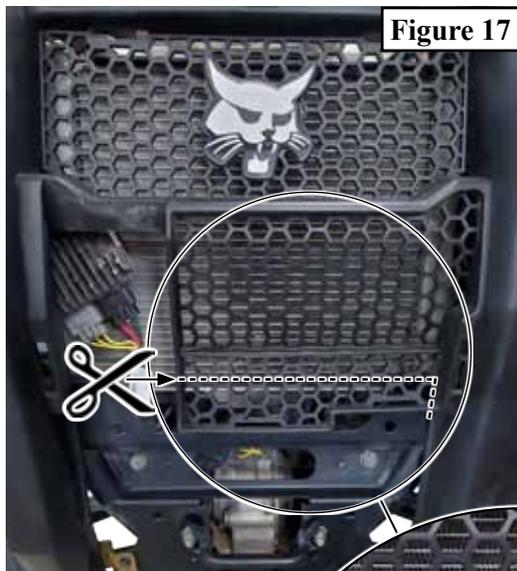
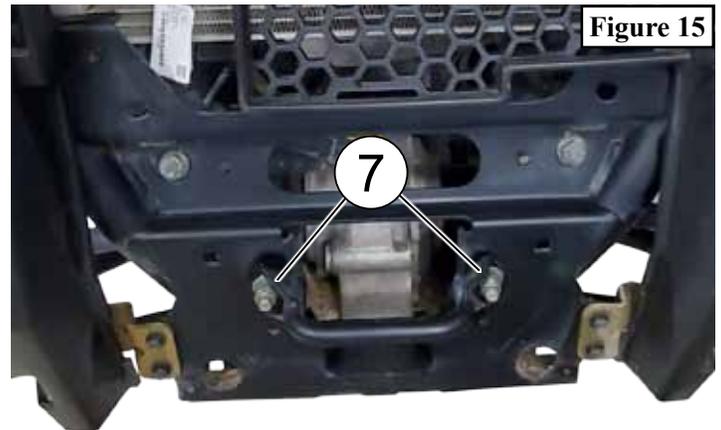
*Note: If your winch only comes with a handbar mounted rocker switch and wish to install it in the dash, assemble per **Figure 13** using hardware kit HK-031 (3).*

4. Attach the ignition fed wire (RED) from your switch to the orange and white wire (H) shown in Figure 10 & 11.
5. For more details on wiring the winch see your winch manual.



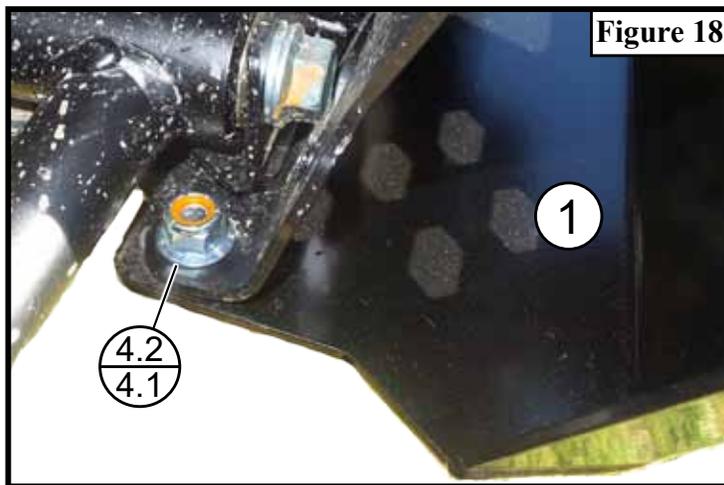
BOBCAT INSTALLATION INSTRUCTIONS

1. Remove the lower fascia by removing bolts (6) from the lower portion of the fascia, see **Figure 14**. The top portion is snapped into place, you can gently pull the top from it's mounting location to free it.
2. Remove the tow hook by removing the 2 bolts (7), as shown in **Figure 15**.
3. It is necessary to cut the upper and lower fascia, as shown in **Figures 16 and 17**, to allow room for the winch mount and fairlead bumper.



BOBCCAT INSTALLATION INSTRUCTIONS

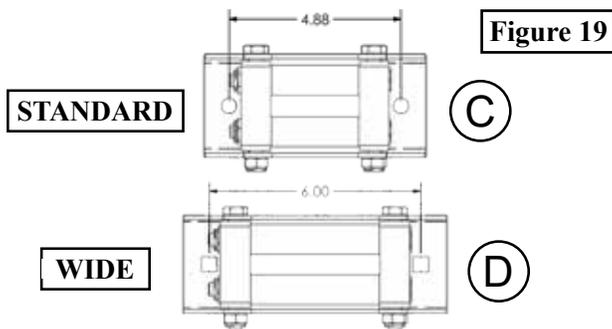
- Place top flange of the fairlead bumper (Item 1) on top of winch mount (Item 2) as shown in **Figure 22**. Line up bottom holes in the fairlead bumper (1) to the holes found on the bottom of the machine. Loosely install bolts (4.1) and nuts (4.2) making sure the nut is on the top side. Do not tighten yet. See **Figure 16**.



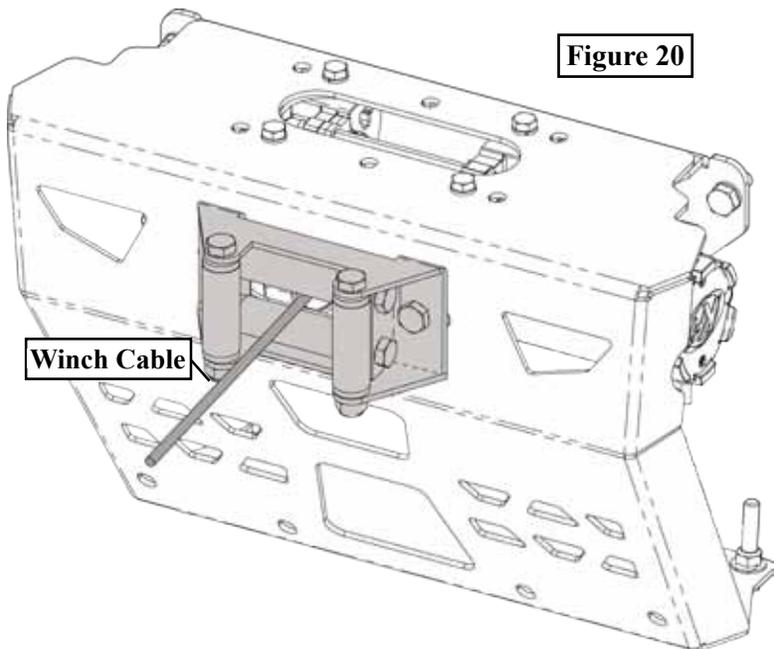
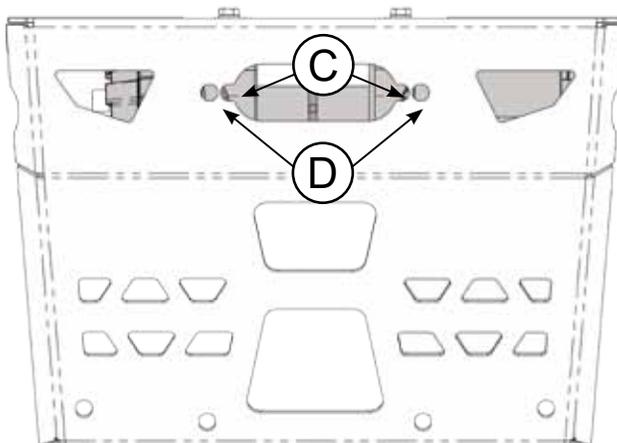
- Align fairlead holes with holes on the fairlead bumper. See **Figure 19** for determining which fairlead holes to use.

*Note: If the fairlead supplied with the winch does not match bolt pattern shown in **Figure 19**, one will need to be purchased that does.*

- Install fairlead to fairlead bumper using bolts and nuts supplied with the winch. See **Figure 20**. Fully tighten fairlead.



- For a 2-Hole mounted winch, use holes (E). For standard 4-Hole winches, use holes (F). For wide 4-Hole winches, use holes (G) as shown in **Figure 21**.



Winch Cable

BOBCAT INSTALLATION INSTRUCTIONS

8. Loosely attach the winch upside down to winch mount and fairlead bumper using the hardware supplied with the winch. Make sure the cable is spooling off the winch between the spool and the winch mount, as shown in **Figure 22**.

9. Tighten hardware from steps 3 & 8.

Note: If the winch terminals contact or come close to contacting the machine, you may need to rotate the motor end cap.

10. Double check all hardware is tight and rope or cable moves freely.

11. When wiring the winch, the contactor can be mounted under the hood, there is an accessory bar that can be used to wire up the contactor right next to the mounting location. See figure 23.

Figure 21

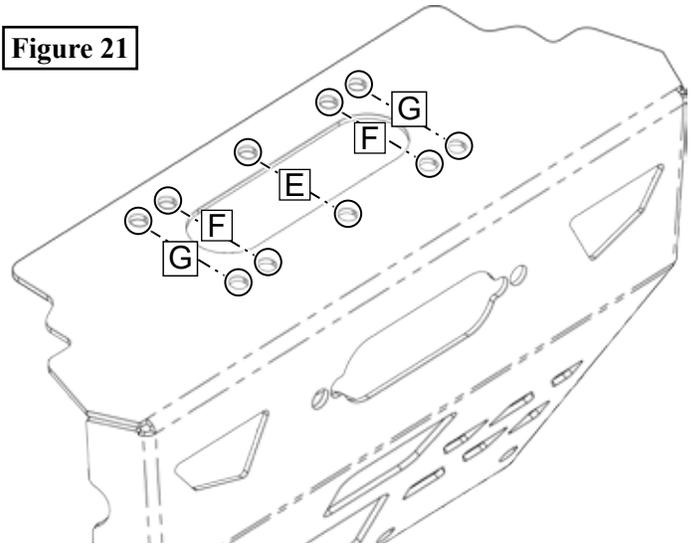


Figure 22

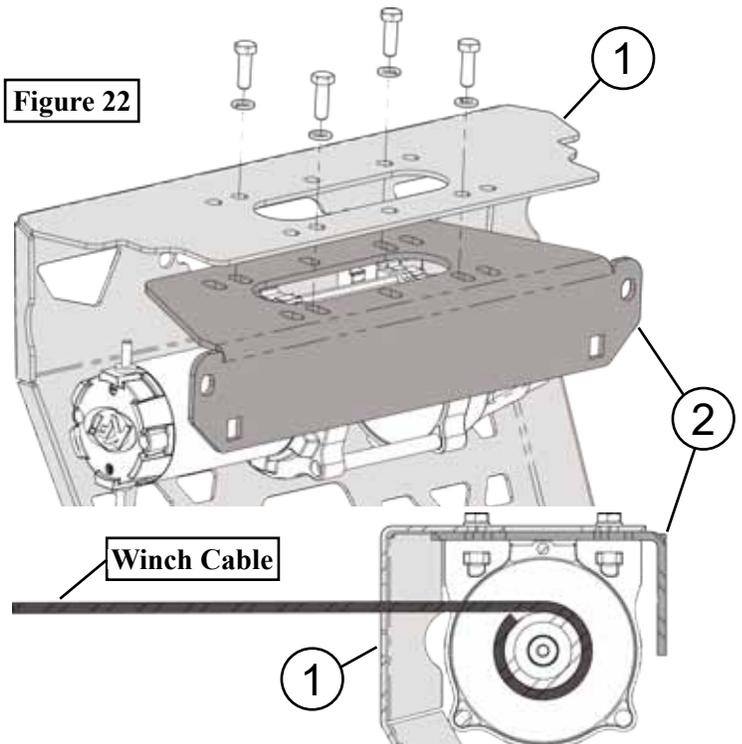


Figure 23

