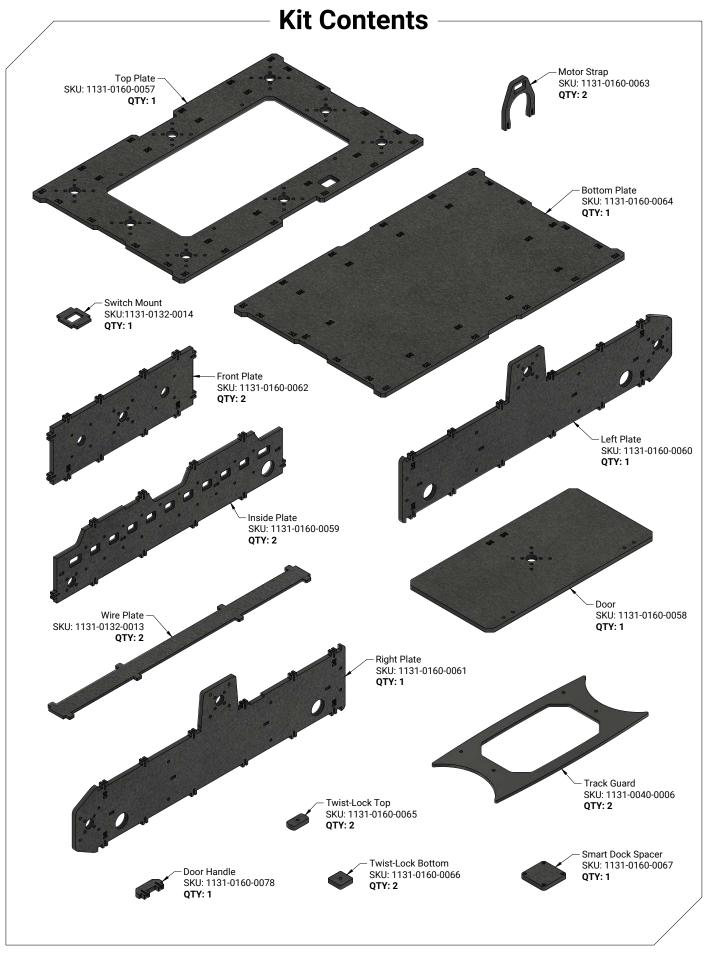


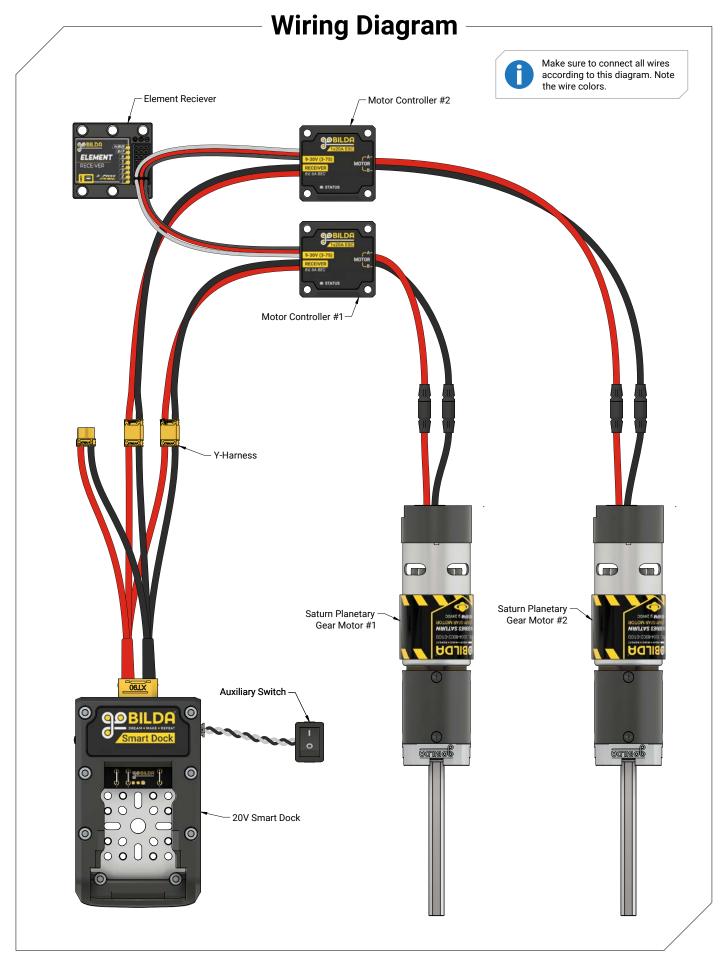
# Assembly Instructions for Overlander-T All-Terrain Robot Platform (25lb Payload, 2.3mph) SKUs: 3209-0013-0003 & 3209-0013-0103





#### **Kit Contents (**Cont) 14mm Black Socket Head Screw Track Drive SKU: 2822-0004-0014 SKU: 2411-0014-0016 **QTY: 50** (2 Packs) **QTY: 4** (2 Packs) 16mm Thread-Forming Screw Debris-Shield SKU: 2815-0004-0016 SKU: 2927-0014-0001 **QTY: 25** (1 Pack) **QTY: 18** (3 Packs) 14mm Socket Head Screw SKU: 2800-0004-0016 8mm REX™ Hyper Hub QTY: 25 (1 Pack) SKU: 1310-0016-4008 QTY: 4 25mm Socket Head Screw SKU: 2800-0004-0025 QTY: 25 (1 Pack) Saturn Motor Truss-Head Screw SKU: 5304-8002-0100 SKU: 2821-0008-0500 QTY: 2 QTY: 75 (3 Packs) Locknut SKU: 2812-0004-0007 8mm ID Bearing QTY: 25 (1 Pack) SKU: 1627-0722-0008 QTY: 6 12mm Spacer SKU: 1522-0010-0120 **QTY: 4** (1 Pack) 0.5mm Shim Steel Pattern Spacer Plastic Hinge SKU: 2807-0811-0500 SKU: 1531-0032-0020 SKU: 2902-0003-0001 **QTY: 12** (1 Pack) **QTY: 6** (3 Packs) QTY: 2 (1 Pack) Washer SKU: 2801-0004-0011 **Badlands Track QTY: 50** (2 Packs) 8mm REX™ Shaft SKU: 2400-0048-0001 SKU: 2106-4008-0800 **QTY: 90** (15 Packs) QTY: 2 8mm REX™ Standoff SKU:1516-4008-0320 **QTY: 8** (2 Packs) 3mm Ball-End Hex-Plus L-Key SKU: 5027104001 QTY: 1 #2 Philips Head Screwdriver SKU: 4208-0001-0002 7mm Nut Driver SKU: 4206-0070-0001 QTY: 1



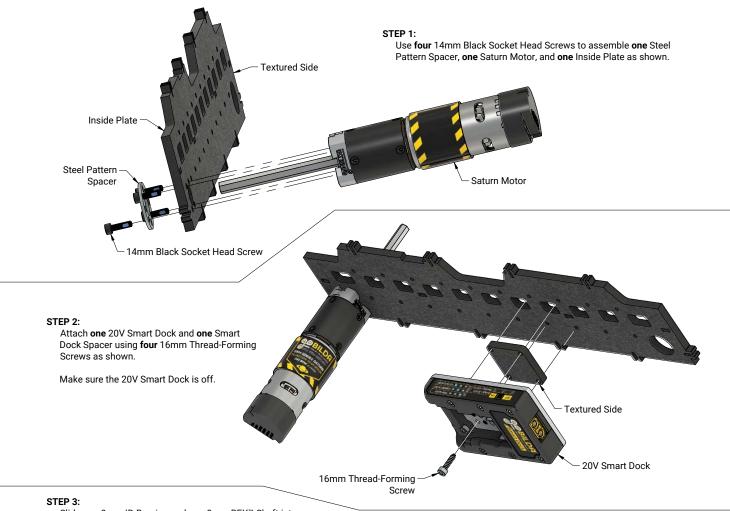


Page 5 of 17



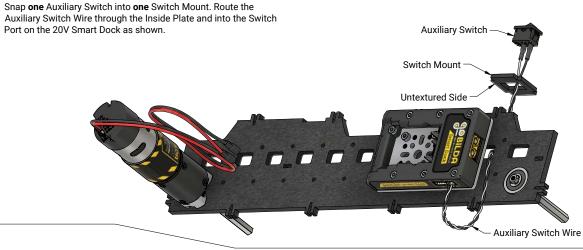
When assembling with plastic plates, note the orientation of the plates' different textures and assemble as shown in each STEP illustration.



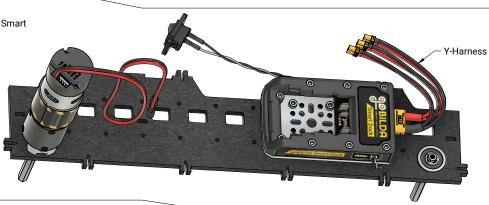


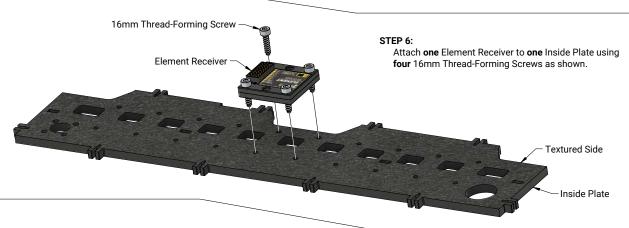


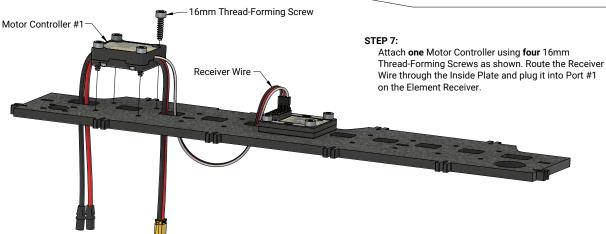
#### STEP 4:

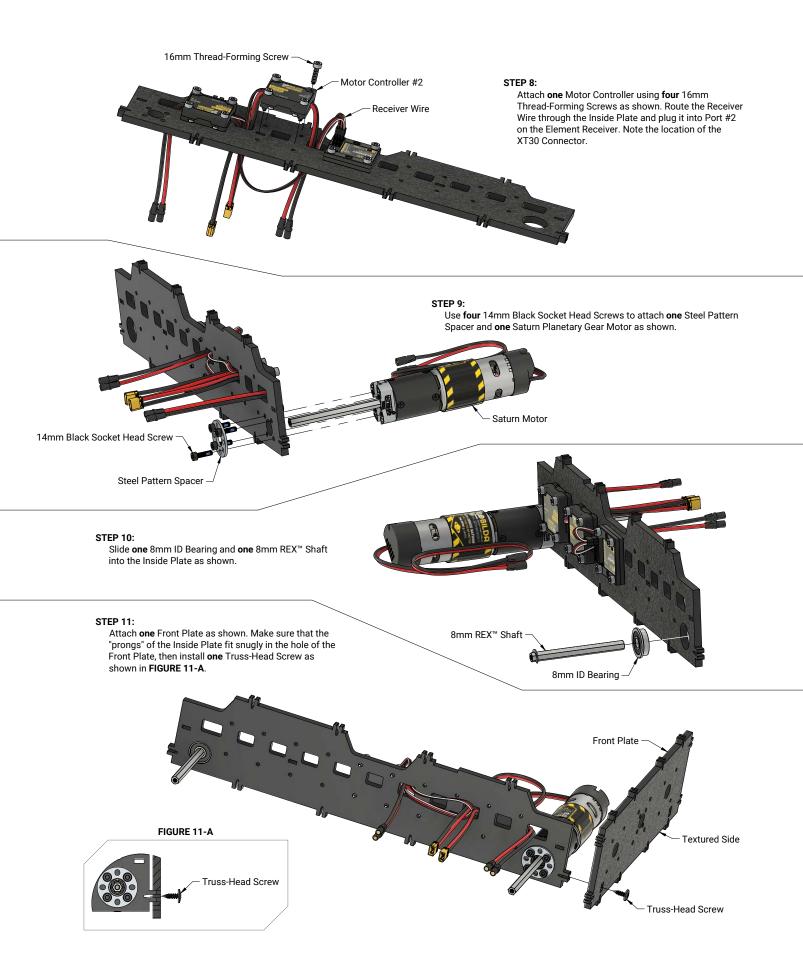


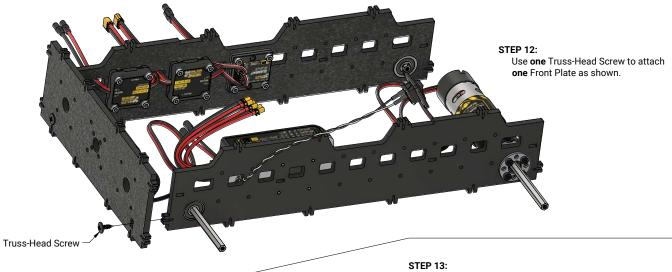
## STEP 5: Plug one Y-Harness into the 20V Smart Dock as shown.



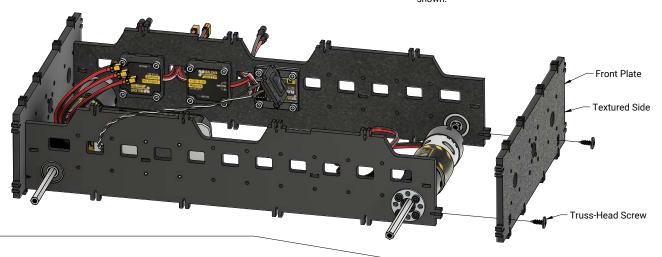






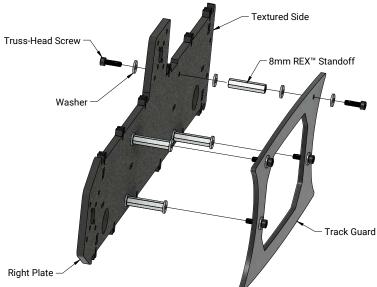


Use **two** Truss-Head Screws to attach **one** Front Plate as shown.

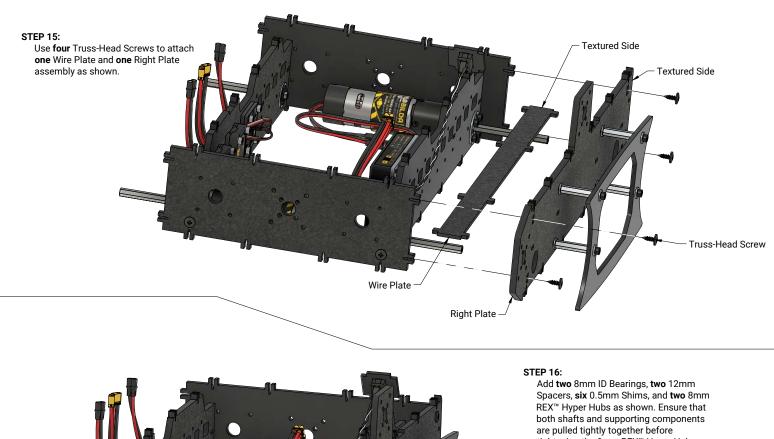


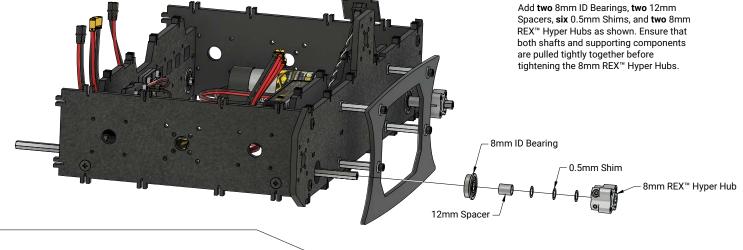
#### STEP 14:

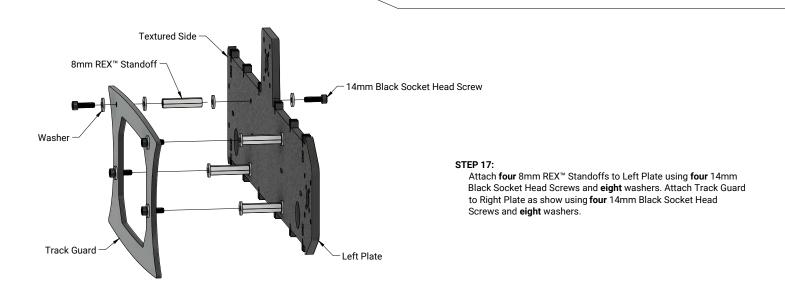
Attach **four** 8mm REX™ Standoffs to Right Plate using **four** 14mm Black Socket Head Screws and **eight** washers. Attach Track Guard to Right plate as show using **four** 14mm Black Socket Head Screws and **eight** washers.



Page 9 of 17

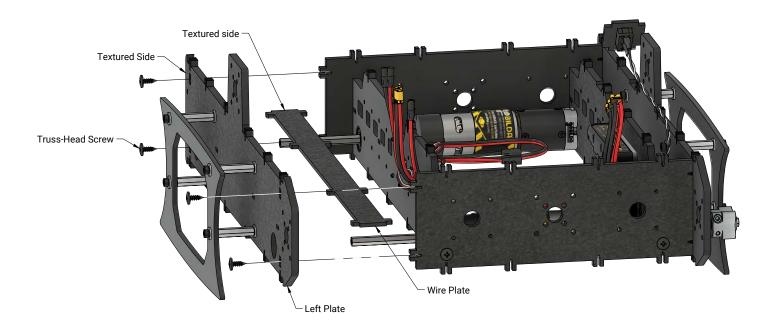






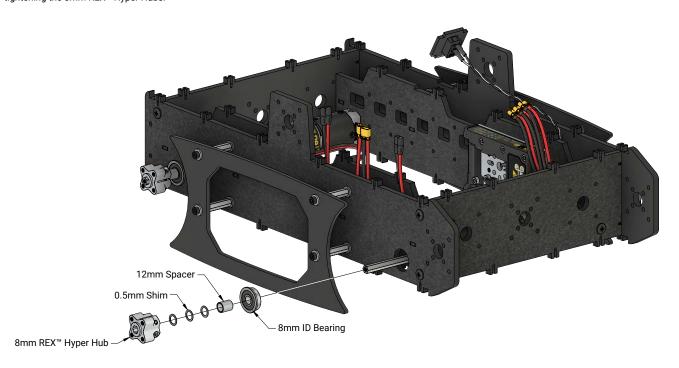
#### **STEP 18:**

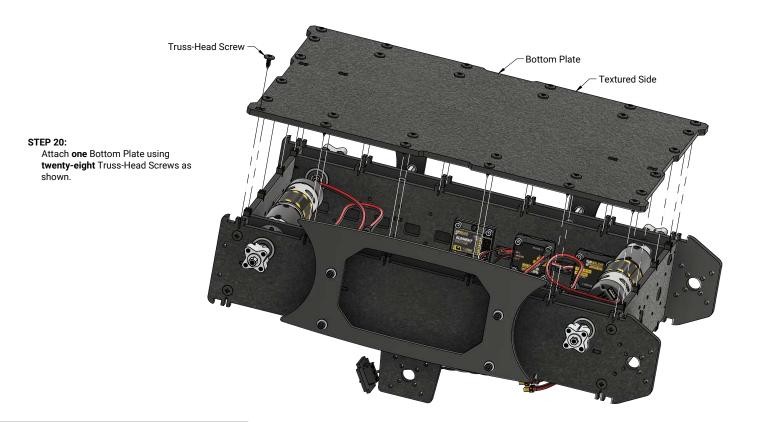
Use **four** Truss-Head Screws to attach **one** Wire Plate and **one** Left Plate as shown.



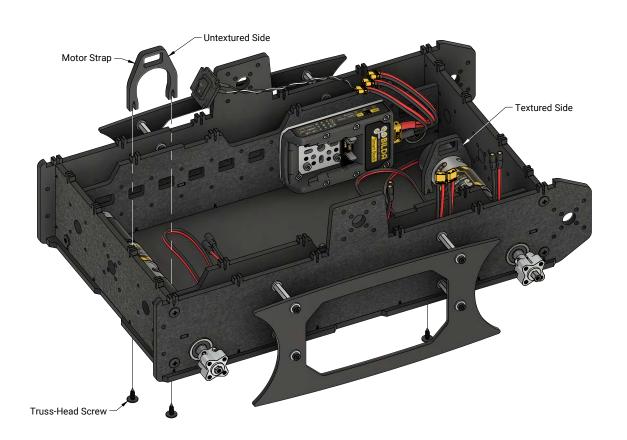
STEP 19:

Add **two** 8mm ID Bearings, **two** 12mm Spacers, **six** 0.5mm Shims, and **two** 8mm REX™ Hyper Hubs as shown. Ensure that both shafts and supporting components are pulled tightly together before tightening the 8mm REX™ Hyper Hubs.



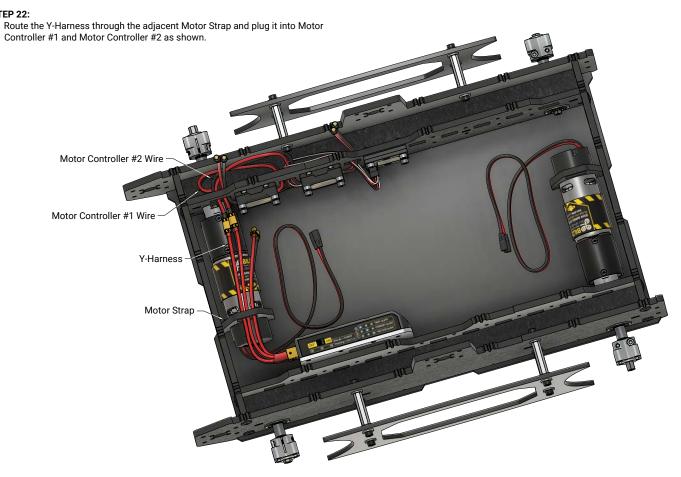


**STEP 21:**Attach **two** Motor Straps using **four** Truss-Head Screws as shown.



Page 12 of 17 goBILDA.com

**STEP 22:** 

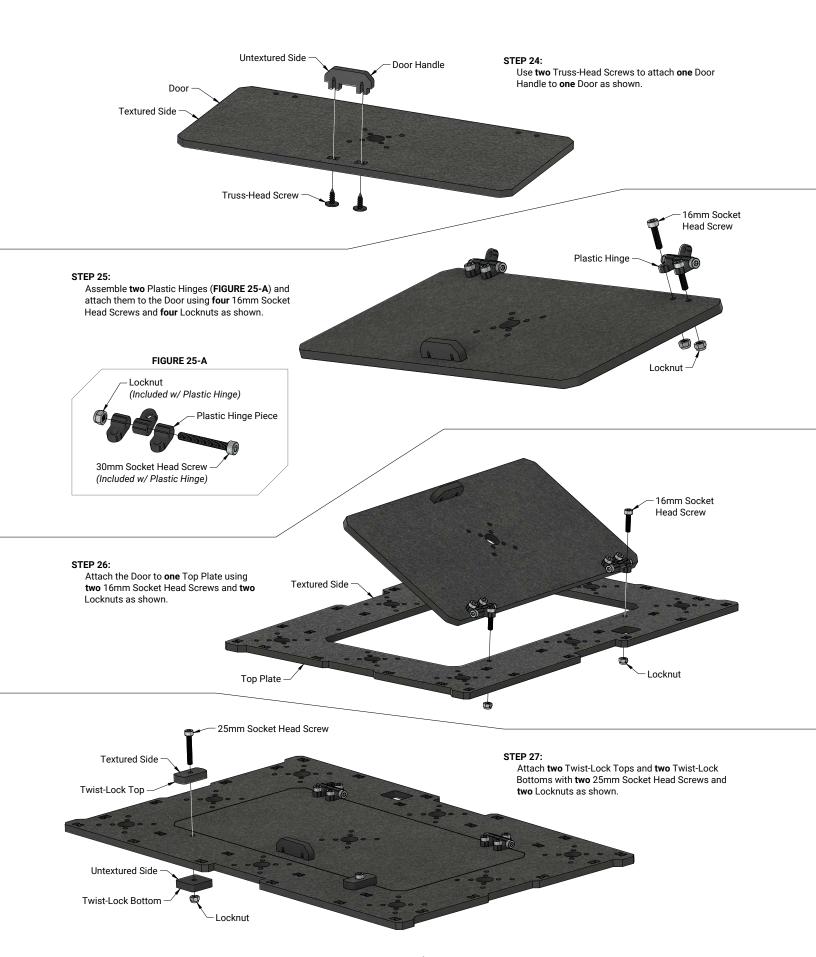


#### **STEP 23:**

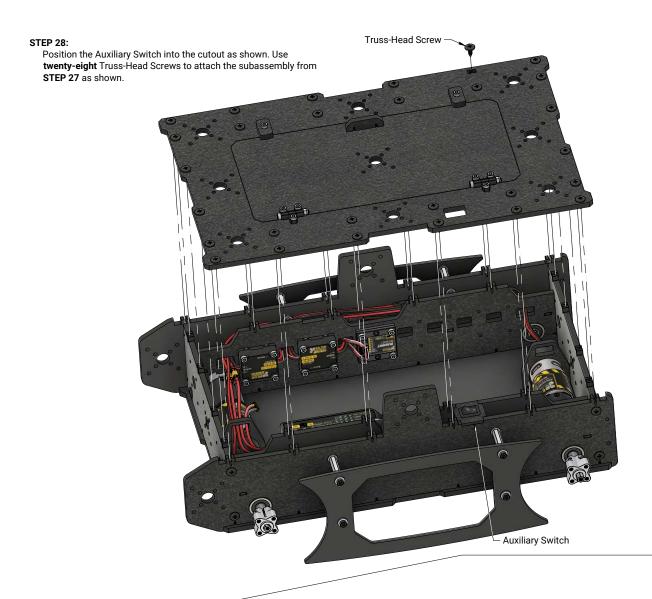
Route the wire from Saturn Motor #1 through the adjacent Motor Strap and Inside Plate and plug it into the wires from Motor Controller #1 as shown.

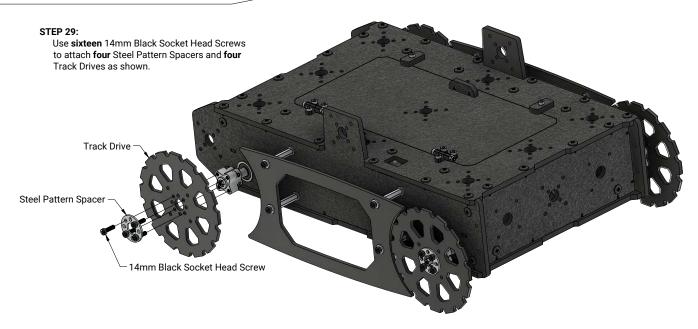
Route the wire from Saturn Motor #2 through the Inside Plate and into the wires from Motor Controller #2 as shown. Motor Controller #2 Inside Plate Motor Controller #1 Saturn Motor #2 Saturn Motor #1 Motor Strap

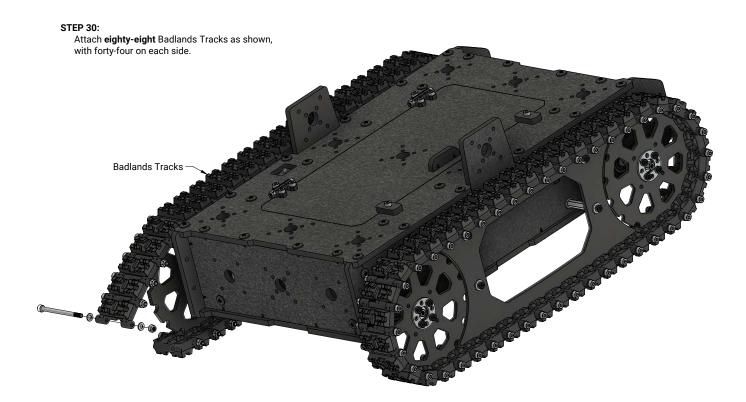
Page 13 of 17



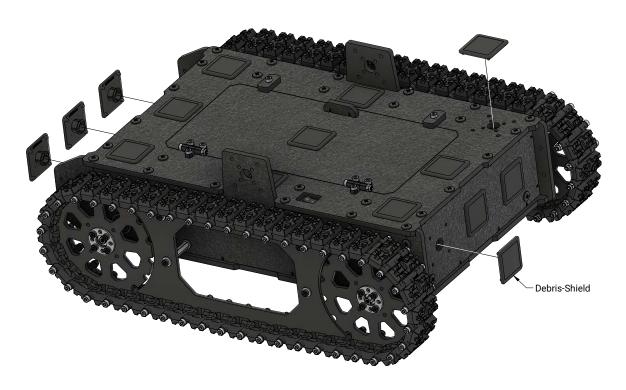
Page 14 of 17 goBILDA.com







STEP 31:
Press fifteen Debris-Shields into place as shown.



Page 16 of 17

#### STEP 32:

Pair the Element-6 Transmitter with the Overlander Chassis Kit:

- Start with the transmitter and receiver powered off.
- 2. Turn the chassis kit on. The receiver's orange LED will blink slowly.

  3. Press and release the Bind button on the receiver with a small screwdriver or pen. The receiver's orange LED will blink quickly.
- 4. Ensure the left gimbal on the transmitter is all the way down.
- Turn on the transmitter.
- The orange LED on the receiver will stop blinking and turn on solid when paired.
- 7. Ensure that the Element-6 Transmitter is configured as shown in FIGURE 32-A.







### **Congratulations!**

Your Overlander Chassis Kit is now assembled! Whether it's exploration, customization, or project ideas no one else had dreamed of before, your new chassis is ready for it all!

