



• Front Shell

- (A) Front Shell / Thorax

• Back Shell Assembly

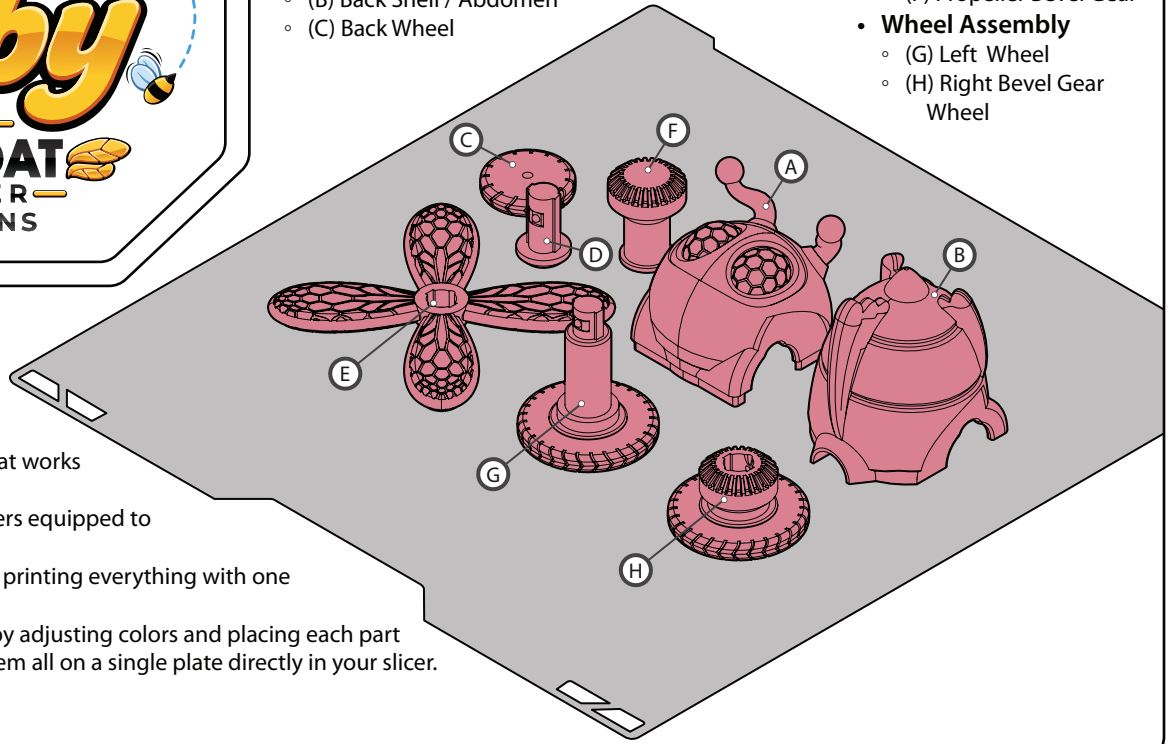
- (B) Back Shell / Abdomen
- (C) Back Wheel

• Propeller Assembly

- (D) Propeller Cap
- (E) Propeller
- (F) Propeller Bevel Gear

• Wheel Assembly

- (G) Left Wheel
- (H) Right Bevel Gear Wheel

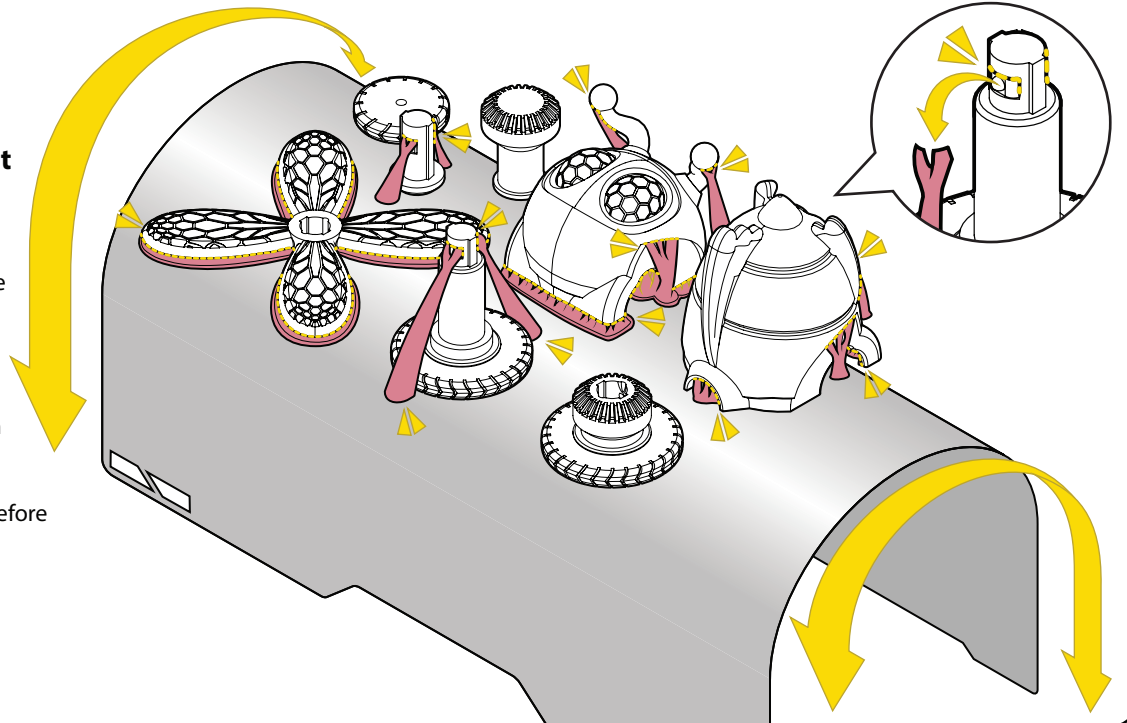


1 Print Your Parts

- Print all parts using your 3D printer.
- Choose the color version that works best for your printer setup:
 - **6-color version:** for printers equipped to print six filament colors.
 - **Single-color version:** for printing everything with one filament color.
- You can further customize by adjusting colors and placing each part on its own plate, or keep them all on a single plate directly in your slicer.

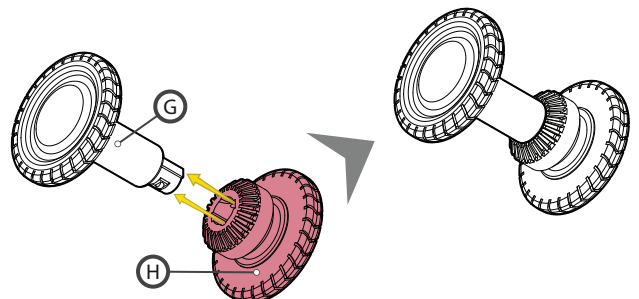
2 Remove Parts off the Print Bed & Supports

- Allow the build plate to cool completely.
- Remove the flexible build plate and gently flex it to release the printed parts.
- Carefully break away the pink-highlighted supports.
- Use needle-nose pliers or flush cutters for stubborn or hard-to-reach supports.
- Remove all support material before assembly.



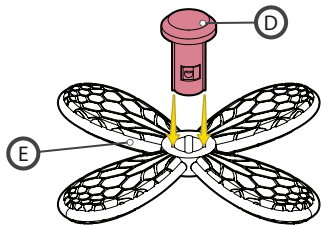
3 Assemble the Drive Wheels

- Locate parts *Left Wheel (G)* and *Right Bevel Gear Wheel (H)*.
- Align the shaped axle on *Left Wheel (G)* with the matching opening in *Right Bevel Gear Wheel (H)*.
- Press the two halves together firmly until they lock into place.
- Set the completed *Wheel Assembly (G + H)* aside.



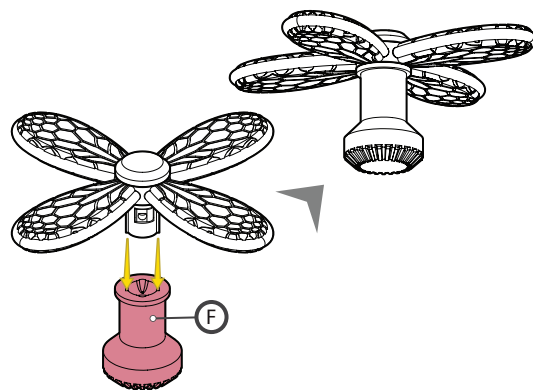
4 Begin the Propeller Assembly

- Locate the *Propeller Cap (D)* and *Propeller (E)*.
- Insert *Propeller Cap (D)* through the center opening of *Propeller (E)*.



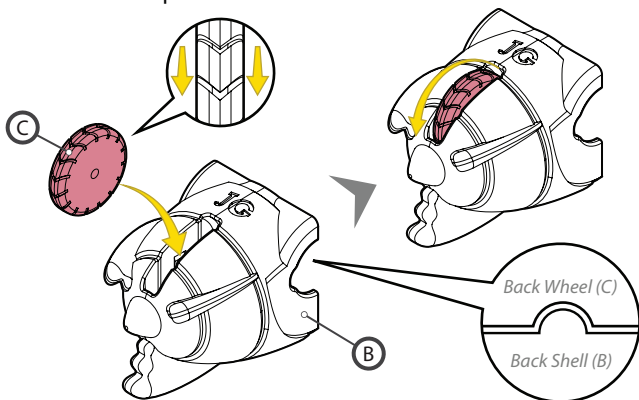
5 Complete the Propeller Assembly

- Locate the *Propeller Bevel Gear (F)*.
- Align the *Propeller Assembly (D + E)* with the opening in *Propeller Bevel Gear (F)* and press the parts together firmly.
- Set the completed *Propeller Assembly (D + E + F)* aside.



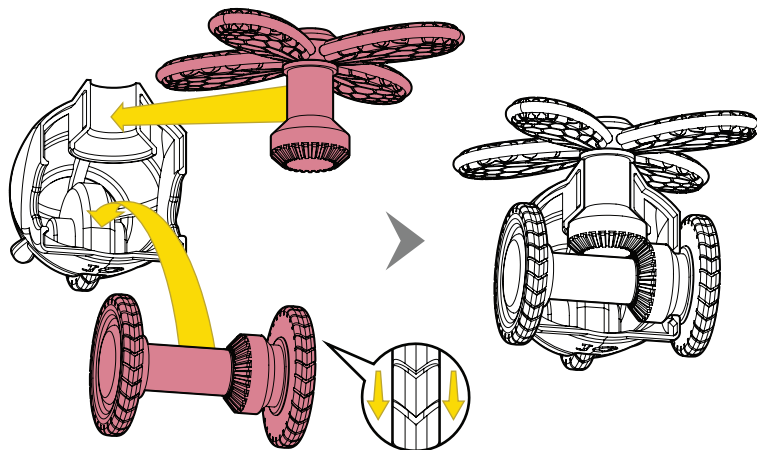
6 Install the Back Wheel

- Locate the *Back Shell (B)* and *Back Wheel (C)*.
- Align *Back Wheel (C)* with the arrow-shaped wheel tread points downward with the wheel opening in *Back Shell (B)*.
- Press the wheel into the opening until it seats securely. You may hear a "POP" as it locks into place.
- Check that the *Back Wheel (C)* spins freely.
- Keep the completed *Back Shell Assembly (B + C)* nearby for the next step.



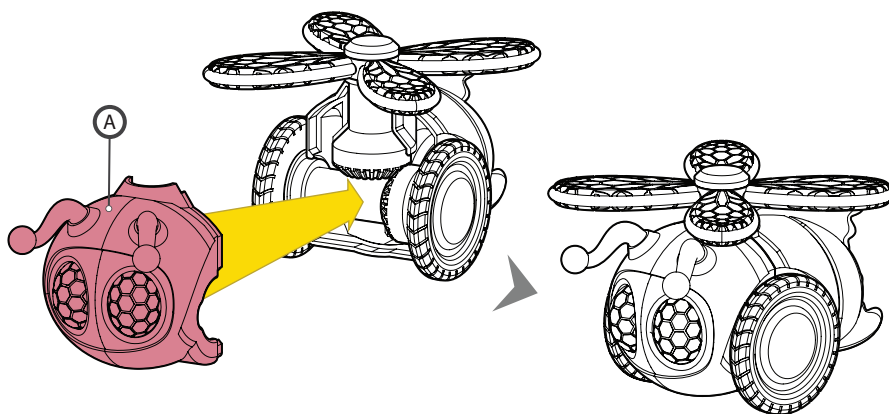
7 Install the Wheel & Propeller Assemblies

- Place the *Wheel Assembly (G + H)* and *Propeller Assembly (D + E + F)* into the recesses inside the *Back Shell Assembly (B + C)*.
- Make sure both assemblies are positioned in the recesses so the *Wheel Assembly (G + H)* arrow-shaped wheel tread points downward having the *Right Bevel Gear Wheel (H)* on the right side of the shell.



8 Close the Body

- Locate the *Front Shell / Thorax (A)*.
- Keep the *Wheel Assembly (G + H)* and *Propeller Assembly (D + E + F)* seated inside the *Back Shell Assembly (B + C)*.
- Align the *Front Shell (A)* with the *Back Shell Assembly (B + C)*.
- Press the shells together until fully connected, ensuring the internal assemblies remain properly seated.
- Check that the wheels and propeller rotate freely.



9 Bixby Is Ready!

- You've finished assembling **Bixby the Honeycoat Helicopter**!
- To play, gently pinch the rear tail fin to hold Bixby.
- Place the wheels on a flat surface and push Bixby forward.
- As the wheels turn, the internal bevel gears transfer their rotation upward and make Bixby's wing-shaped propeller spin.
- **Push. Roll. Spin.**

