

# Nanchang CJ-6 Aircraft Tug Assembly Instructions



[Fig.1]

1. Carefully unpack contents of carton and locate the charger and battery. The battery may or may not be installed in the drill. Plug in the charger and charge the battery for at least one hour. You will need a 7/16" boxed-in wrench to assemble your tug.
2. **DEWALT DRILL:** Locate the 1/2" drive shaft and chuck the end with three flats into the Dewalt drill. Be sure the flats align with the jaws in the chuck and are seated on the jaw tips. Tighten by hand as hard as you can with the clutch in the **drill bit image** position, and in speed selector switch setting **1**. See Dewalt drill operation instructions.
3. See there is a foam drive shaft alignment insert installed 8" inside the handle tube end which inserts into the tug receiver. Loosen installed drill clamp. With drive shaft installed into drill, insert it into the expanded handle tube end and see that it slips through the foam alignment insert (A light source at the end of handle is helpful.) and insert drill into handle tube as far as it will go noting that it fits squarely to drill collar. Turn drill with forward/reverse switch facing up aligned with Minimax decal and tighten drill clamp securely.
4. Insert charged battery into drill and be sure it "snaps" into place.
5. Be sure the compression clamp [Fig.1] is fit onto the tug handle receiver approx. 1/8" from the top. Install the handle tube into the tug receiver fully 1-7/8" rotating as necessary to engage the square drive socket. You may have to "bump" the drill trigger to accomplish this. Tighten compression clamp securely with drill forward/reverse switch facing up. Install drill side handle into left or right side.
6. You must replace the hinge bolt on the nose gear sway bar assembly at the point it connects to the gear



- yoke with the this free replacement part provided which becomes the tug attach point. Consult your mechanic prior to installation. Please print and read this important document [Owner Produced Aircraft Parts](#) prior to installation should a field approval be required.
7. Loosen fork red locking knob and open assembly fully. Attach tug to your aircraft nose gear slipping the left fork hub onto left tow pin as you position the opened right fork hub onto the right tow pin. Close the fork and tighten locking knob securely. Reverse to remove. Push down on the tug handle and slowly pull the drill trigger all the way in to move aircraft. When stopping, slowly let off on the drill trigger until plane stops. Avoid sudden starts and stops as this can damage the chain and transmission gears in your tug. Keep chain and axel bushings lubricated per ["Use and Care Guide"](#).

**NEVER LEAVE TUG ATTACHED TO AIRCRAFT WHILE NOT IN USE!**

Practice makes perfect! Thank you for buying a Minimax Aircraft Tug!

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