

Heli-Max™ NOVUS™ CX

TECHNICAL NOTICE



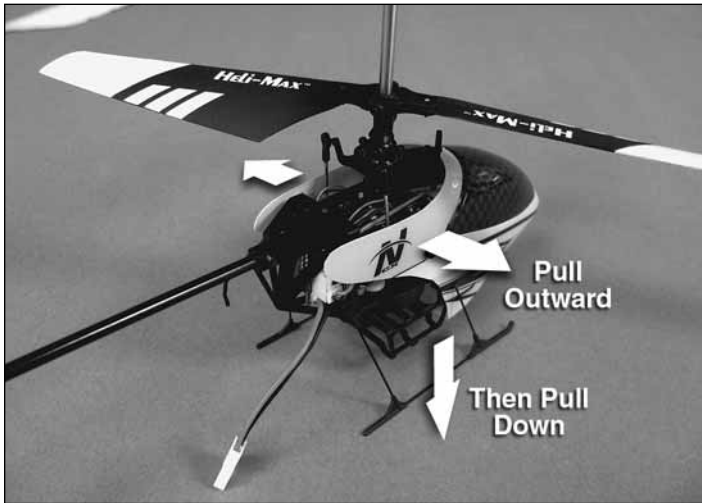
5'IN1 CONTROL BOARD REPLACEMENT

Tools Required

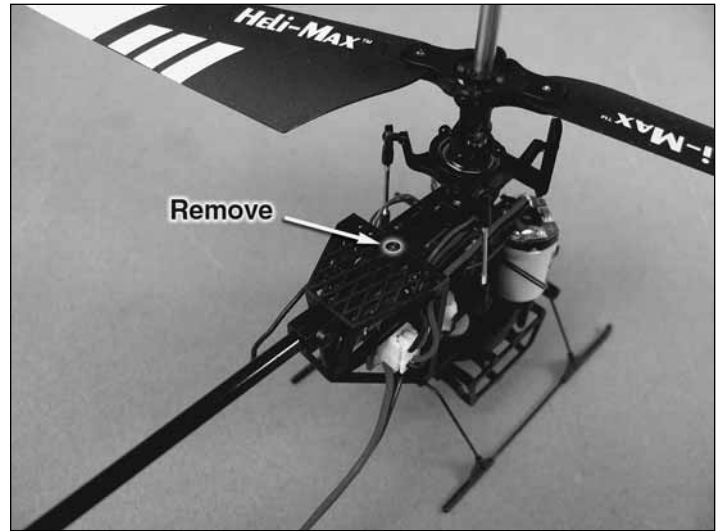
- DuraTrax® Precision Phillips Screwdriver 00×75mm (DTXR0170)

Replacing the 5 'in 1 board used within the Heli-Max Novus CX will require a small phillips screwdriver. The DuraTrax Precision Phillips Screwdriver 00×75mm (DTXR0170) is ideal for the small phillips screws used on the Novus CX.

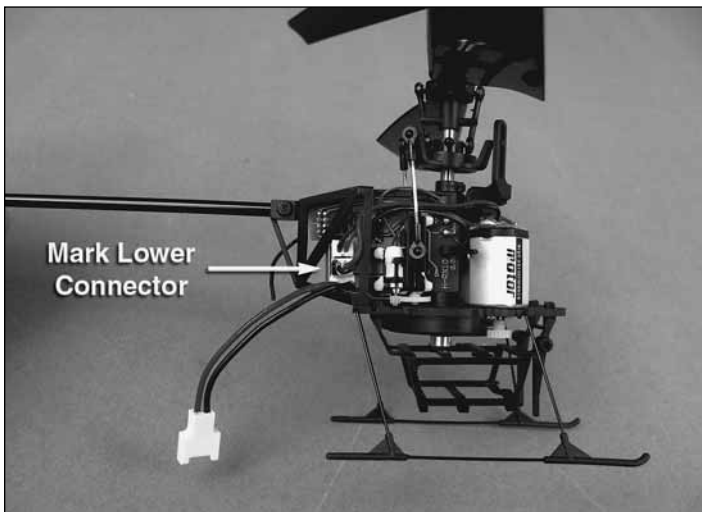
Procedure



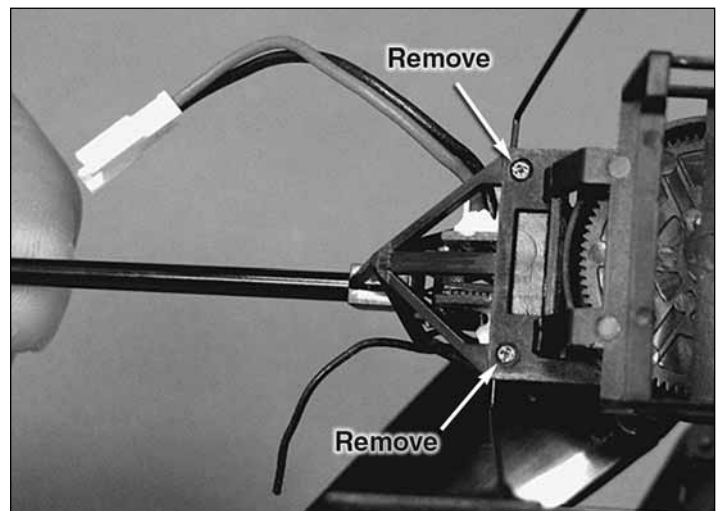
Carefully pull outward and slide the canopy grommets off of the upper canopy mount. Pull the front of the canopy downward (off of the lower canopy mount) and then pull forward, to remove the canopy.



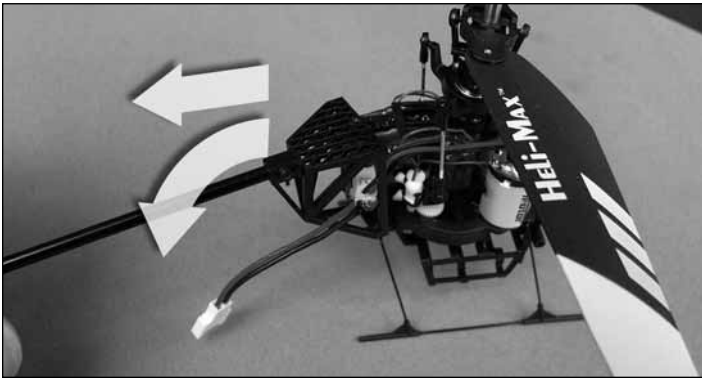
Remove the upper tail boom mount screw.



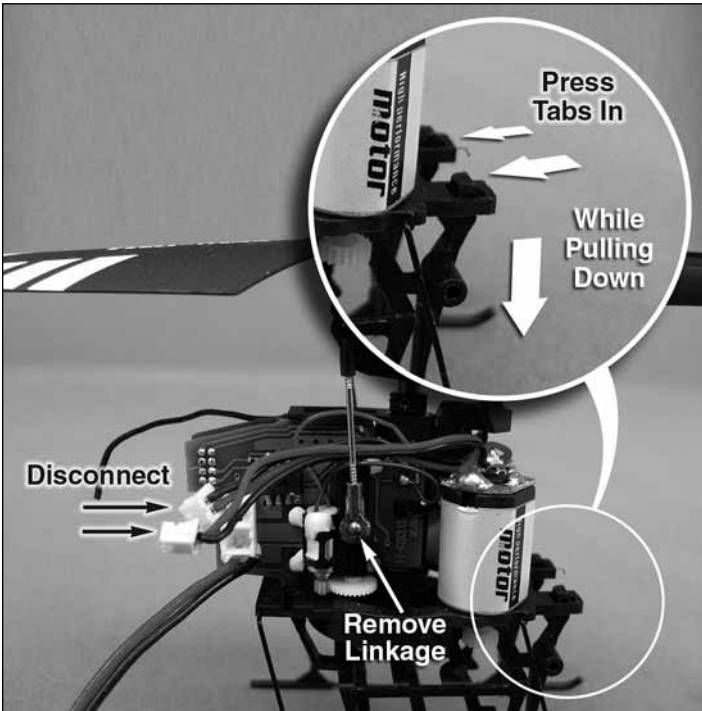
Place a mark on the lower motor connector with a permanent marker. This will help to ensure the connector is placed back into the correct slot during reassembly.



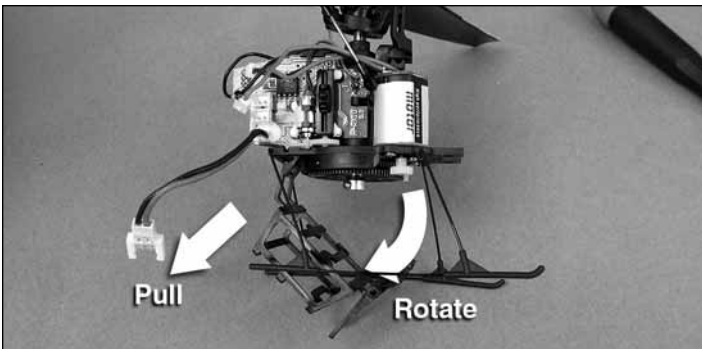
Remove the two lower tail boom mount screws.



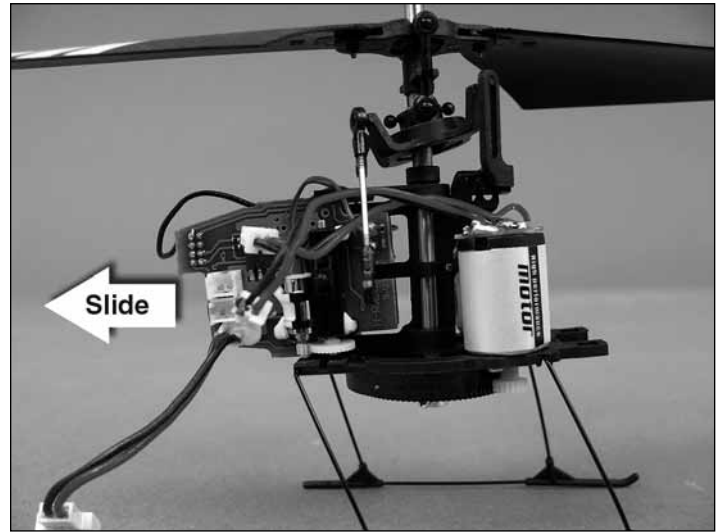
To remove the tail boom assembly, carefully rotate and pull the tail boom assembly away from the mechanics.



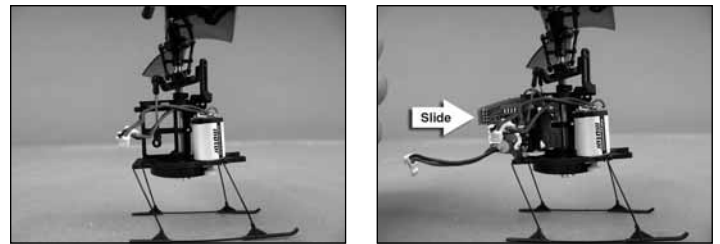
Disconnect the two motor connectors from the 5 'in 1 board. Pull outward on the control linkage to remove it from the servo arm. Repeat this step for the other control linkage. Next, the battery tray must be removed by pressing back on the tabs, using a small screwdriver, while pulling downward on the battery tray.



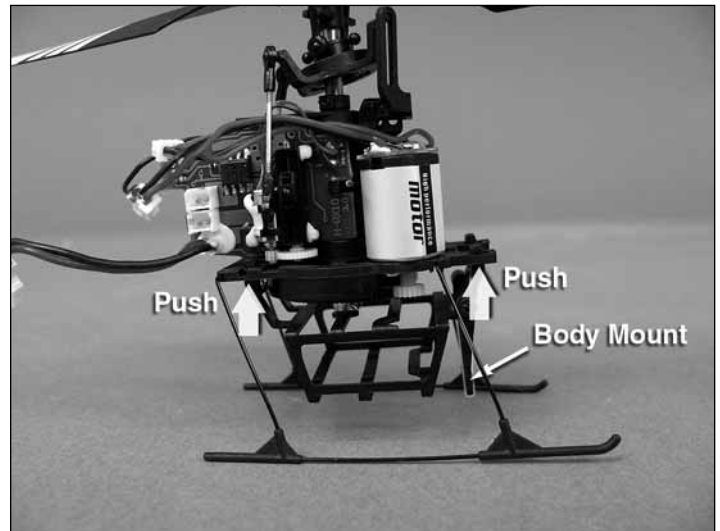
Remove the aft battery tray mounts by rotating the battery tray downward, while pulling the battery tray away from the frame.



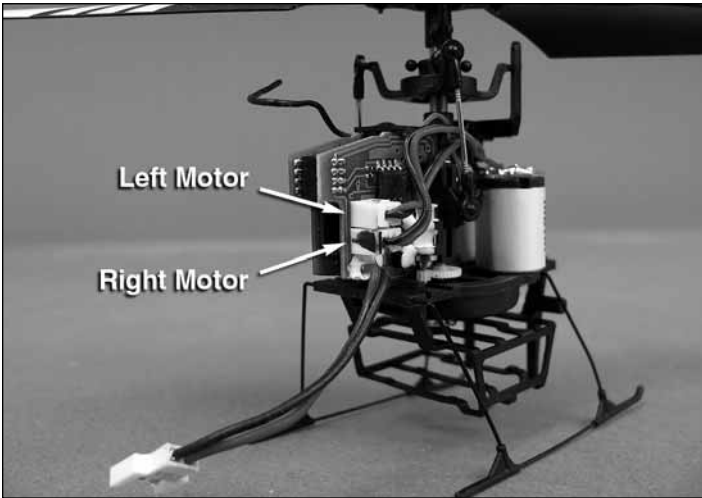
The 5'in1 board will now slide out of the helicopter.



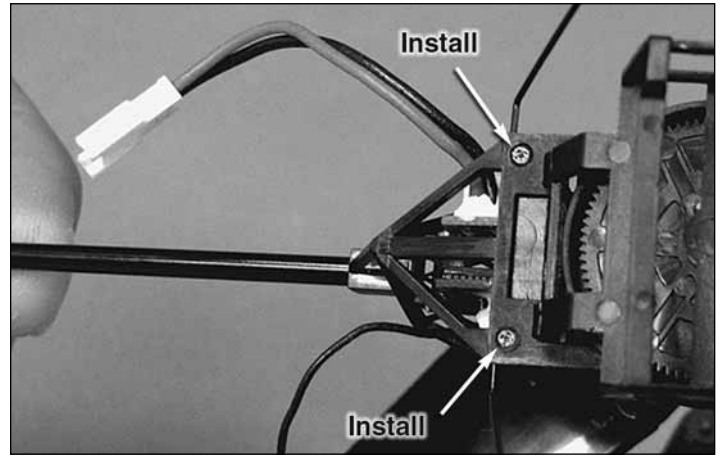
Align the board with the molded channels in the main frame and carefully slide the new 5 'in 1 board into the frame.



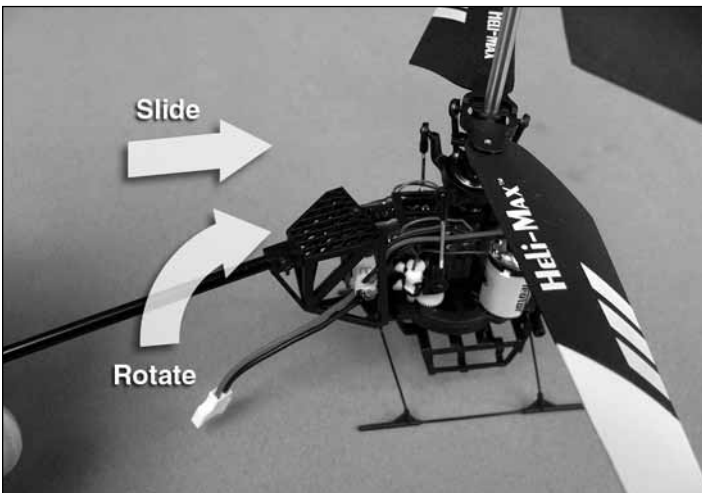
Place the battery holder as shown. Please note that the two body mounting posts must be in front of the drive motors. Push the tabs up through the frame and they will snap into place. After installation, pull downward on the battery tray at each tab position to ensure the tabs have properly engaged the main frame.



Ensure that the connector you marked earlier is placed into the bottom connector on the board. Reconnect the main motor connectors to the 5 in 1 control board. Snap the control links back onto the servo arms.



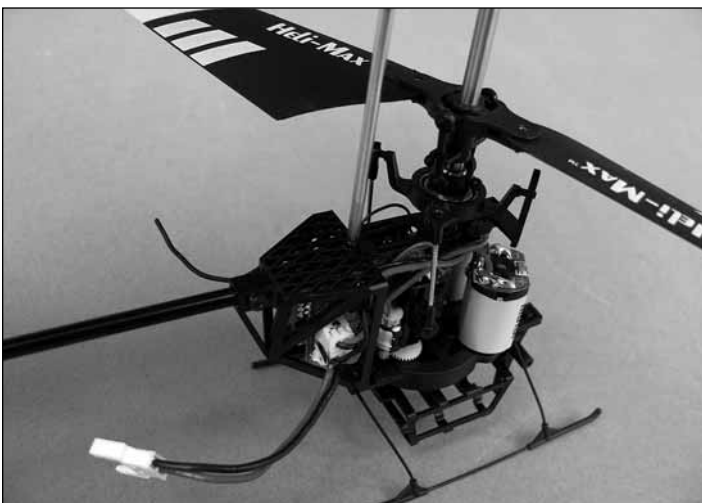
Align the lower tail boom assembly holes with the main frame holes and install the two lower tail boom assembly mounting screws.



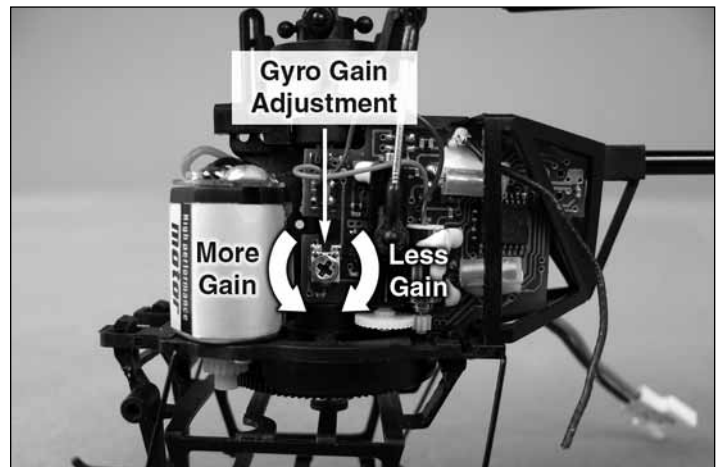
Carefully slide the lead and antenna wire through the tail boom assembly as shown. Place the tail boom assembly back onto the helicopter.



Place the body onto the lower canopy mounts and slide the canopy grommets onto the upper canopy mount.



Once you are certain that the holes are lined up properly between the tail boom assembly and the main frame, install the upper tail boom mount screw.



Gyro Gain Adjustment

- Counter Clockwise - Increase Gain
- Clockwise - Decrease Gain

Verify your work to ensure that everything has been assembled properly, all linkages have been installed and all wiring is clear of any rotating or moving parts. Your helicopter is ready for a test flight. Test fly and trim the model. If you

notice that the tail has a tendency to drift, try increasing the gyro gain by turning the gyro gain adjustment counter clockwise until the best performance has been achieved. If

the tail has a tendency to oscillate, try decreasing the gain by turning the gyro gain adjustment clockwise.