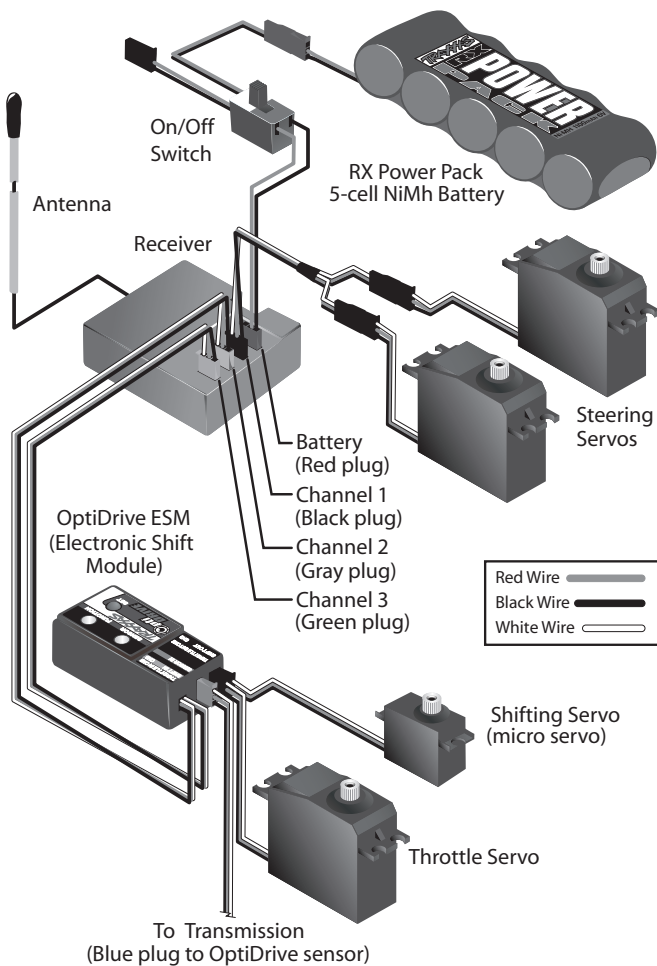## OptiDrive Wiring

Covers Parts #5397, 5398

Revo is equipped with two high-torque steering servos conected via a "Y" plug adapter (one input, two equal outputs). The TQ-3 works is conjunction with the OptiDrive Electronic Shift Module to monitor and control the input and output signals for the throttle and shifting servos (channels). The Optidrive monitors the voltage of the onboard RX Power Pack. The "Function" LED will flash red if the battery voltage is too low.

Antenna
On/Off Switch
RX Power Pack 5-cell NiMh Battery
Receiver
Battery (Red plug)
Channel 1 (Black plug)
Channel 2 (Gray plug)
Channel 3 (Green plug)
Steering Servos
OptiDrive ESM (Electronic Shift Module)

Red Wire
Black Wire
White Wire

Shifting Servo (micro servo)
Throttle Servo
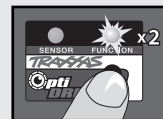To Transmission (Blue plug to OptiDrive sensor)

OptiDrive Programming

OptiDrive Programming Precautions
Ensure these conditions are met before programming:
- The engine is **OFF.**
- The transmitter is turned **ON** *and* has been adjusted as described above **(see *Transmitter Setup* section above).**
- The vehicle's power is **ON.**
- The OptiDrive is connected to the receiver.
- **Always program the OptiDrive when engine is not running.**

Programming the Optidrive
Press and hold the OptiDrive SET button (with the transmitter throttle at neutral) until the OptiDrive's function LED flashes green twice (about 2-3 seconds). Release the button immediately. You are now in programming mode. **If the set button is released before the function LED flashes green twice, the OptiDrive programming will have to be repeated.**

Pull the transmitter throttle trigger to the full throttle position. Hold it at full throttle until the function LED flashes green three times. Release the transmitter throttle trigger allowing it to return to neutral. **The throttle servo will not move during programming even if it is connected to the OptiDrive.**

The function LED will turn solid green, indicating that the shifting servo is OK to shift and the programming has been completed. **If you experience any problems during programming, turn off the receiver and repeat the programming steps.** The OptiDrive is now programmed and ready to go!

Note: Any time the transmitter settings are changed, the OptiDrive will have to be reprogrammed.

If you have questions or need technical assistance, call Traxxas at:

1-888-TRAXXAS
(1-888-872-9927) (U.S. residents only)