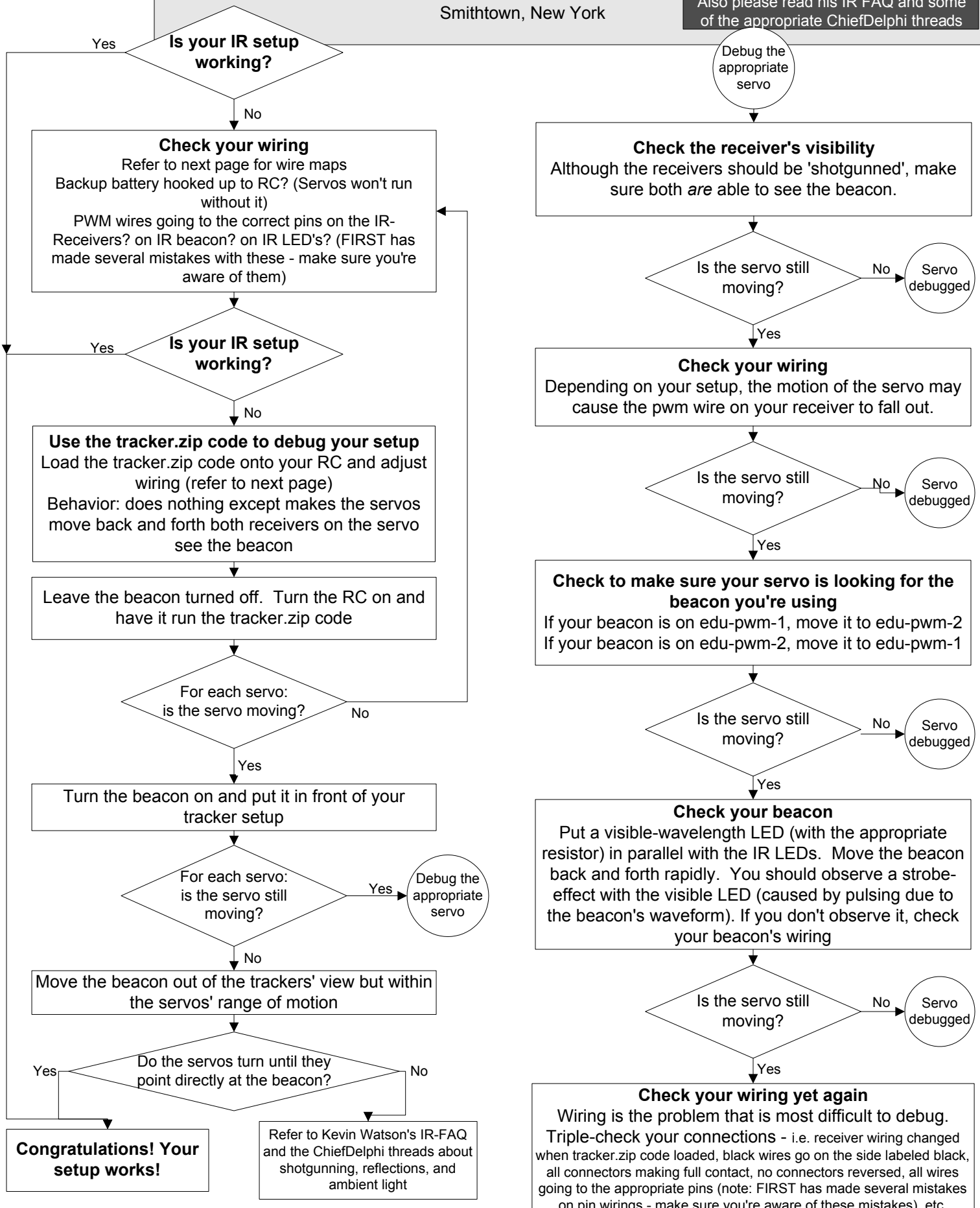


DEBUGGING YOUR 2004 FRC IR-TRACKER SETUP

by Dan Lopuch (dlopuch@optonline.net) -- v1.1 Feb 1 2004
Team 810 - The Mechanical Bulls
Smithtown, New York

NOTE: The *tracker.zip* code can be downloaded from Kevin Watson's webpage at <http://www.kevin.org/frc/>. Also please read his IR FAQ and some of the appropriate ChiefDelphi threads



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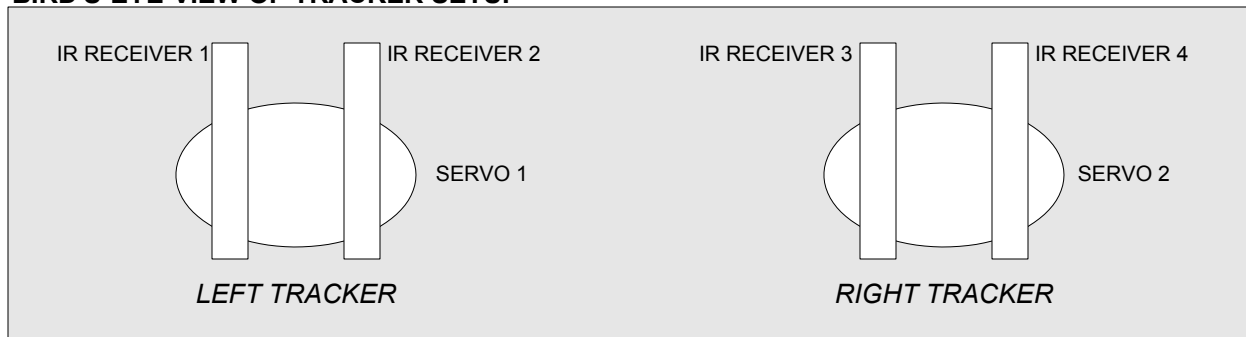
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PHYSICAL LAYOUT AND NAMING

The default code uses 4 IR sensors, two mounted on one servo (see <http://kevin.org/frc/tracker/> for pictures of a sample setup)

Naming of the servos and IR sensors in the code follows the left-to-right, lowest-to-highest rule - IR receiver 1 is the left-most receiver

BIRD'S-EYE-VIEW OF TRACKER SETUP



WIRING THE SENSORS

	navigate.zip	tracker.zip
IR RECEIVER 1	DIGI 1	DIGI 3
IR RECEIVER 2	DIGI 2	DIGI 4
IR RECEIVER 3	DIGI 4	DIGI 5
IR RECEIVER 4	DIGI 5	DIGI 6
SERVO 1	PWM OUT 1	PWM OUT 1
SERVO 2	PWM OUT 2	PWM OUT 2