



# FR40200S

# MICROSTEER SPEED SENSOR

## MECHANICAL INSTALLATION

The speed sensor should be mounted so that the sensor face is positioned approximately 1-2mm (0.04" - 0.08") from the rotating target.

The target can be any ferrous metal (e.g... a bolt head) on the propeller (drive) shaft that will change speed with the vehicle. See installation examples below:



SENSOR MOUNTED ON PROPELLER SHAFT



SENSOR MOUNTED ON BRAKE DISC

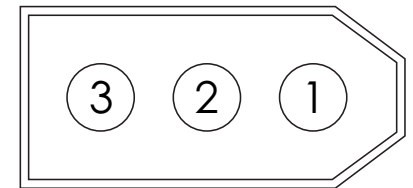
## ELECTRICAL INSTALLATION

When installing the Flaming River FR40200S Speed Sensor, you will have to take the 3 pin connector out of the FR40200 Microsteer Kit (provided in a separate bag with an empty male connector and three pins) and strip the wires on the speed sensor, then install them as pictured in the image below. The sensor should be connected to the Microsteer wiring harness (using the connector provided in the kit) and wired as follows:

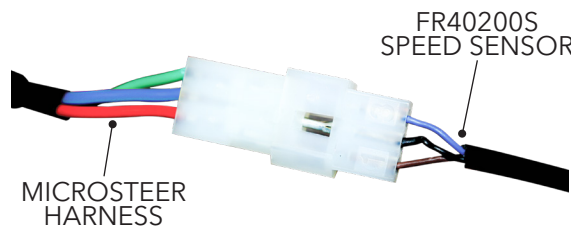
On the Microsteer main wiring harness, the 3 pin connector has a green, yellow and red wire. These are pre-pinned from the main kit harness. When installing the connector on the new FR40200S speed sensor, you need to make sure it is wired in this way:

PIN NO.	HARNESS SIDE WIRE COLOR	REFERENCE	SENSOR SIDE WIRE COLOR
1	RED	12V	BROWN
2	BLUE	SIGNAL	BLACK
3	GREEN	GROUND	BLUE

CONNECTOR PINOUT



The numbers are printed on the cable entry side of the connector - 1 being at the "pointed" end. The speed sensor has a red led built into the end of the sensor near the cable exit. When installation is complete, plug the sensor into the Microsteer harness and apply power. Rotate the target. Every time the target passes the sensor the led should flash. If not, try moving the sensor closer to the target. Once the led flashes, lock off the nuts on the sensor so they cannot move. The speed sensor installation is now complete.



SPEED SENSOR



SENSOR DIMENSIONS

