

## **ANGLE SENSOR & EXTENSION SENSOR KIT**

**GREER PART NUMBER S240601**

### **Replacing the Angle and Extension Sensor Assembly**

The Angle and Extension Sensor Assembly, located under the cover of the Extension Reel, includes the angle and extension sensor potentiometers.

### **Required Tools**

Medium Phillips screwdriver

Small slotted screwdriver

5/32" Allen wrench

### **Removing the Angle and Extension Sensor Assembly**

1. Remove the aluminum cover on the Extension Reel.
2. Unscrew the 2 screws holding the slip ring on the base-plate of the Sensor Assembly.
3. Disconnect the brown and black wires.
4. Disconnect the wires on the base-plate Terminal Block.
5. Using the 5/32" Allen wrench, loosen the set-screw that holds the base-plate on the shaft.
6. Remove the Sensor Assembly.

### **Installing the Angle and Extension Sensor Assembly**

Place the boom in a horizontal position when installing this Sensor Assembly.

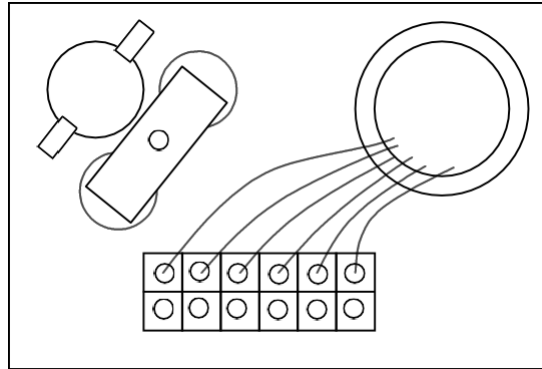
1. Feed the wires coming out of the main shaft through the hole in the base-plate of the Sensor Assembly.
2. Hold the gears, which are spring-loaded, away from the spline.
3. Slide the Sensor Assembly onto the shaft and align the top edge of the assembly parallel with the boom.
4. Tighten the set-screw.

*Continued on next page*

## ANGLE SENSOR & EXTENSION SENSOR KIT

GREER PART NUMBER S240601

5. Route the wires to the Terminal Block and hook up the wires, as indicated below.



TB1-1	BLUE	GROUND
TB1-2	GREEN	ANGLE
TB1-3	WHITE	EXTENSION
TB1-4	RED	+VP
TB1-5	BROWN	ATB-SIGNAL
TB1-6	BLACK	ATB-FEED

6. Tuck the unconnected remaining yellow and orange wires down into the shaft.
7. Screw the Slip Ring Assembly to the base-plate of the Sensor Assembly.
8. Connect the brown wire on the Slip Ring Assembly to TB1-5; connect the black wire to TB1-6. Strip wires, if not already stripped.

**Note:** Ensure that the wires lay flat and toward the terminal connectors, as shown above. Ensure that there will be enough space to clear the wires when the arm of the slip ring rotates.

**Note:** RECALIBRATE THE SYSTEM WITH THE NEW ANGLE AND EXTENSION SENSOR ASSEMBLY.

9. Screw on the cover of the Extension Reel; reinstall the Extension Reel on the boom.