FIG. 82: Although the figure shown is of the Front Steer Sensor screen, the Rear Steer Sensor Screen is identical with the exception of the top heading, which reads "Rear Angle Object".

21. Enter the three Values Determined from step #15 into their corresponding blocks. Neutral Voltage (1). Cal. Zone Min. (2), Cal. Zone Max. (3).

NOTE: Make certain values entered are in milivolts

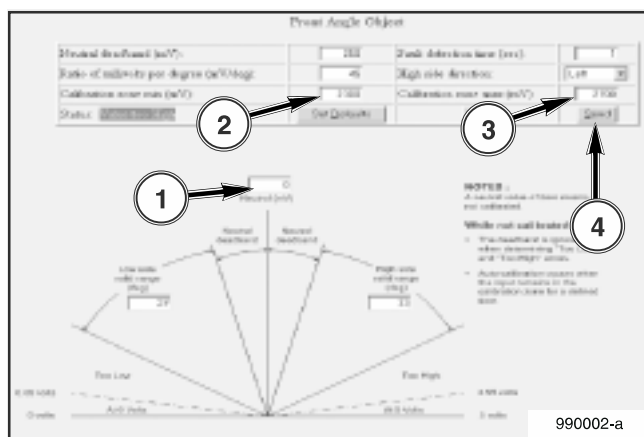22. Click on Send (4) to update the controller with the new values.

FIG. 82

FIG. 83:

23. Reinstall and tighten the long bolts (1), and resinstall the sensor hold-down bolts (2), leaving them loose for adjustment. The bolts will be tightened in the next two steps.
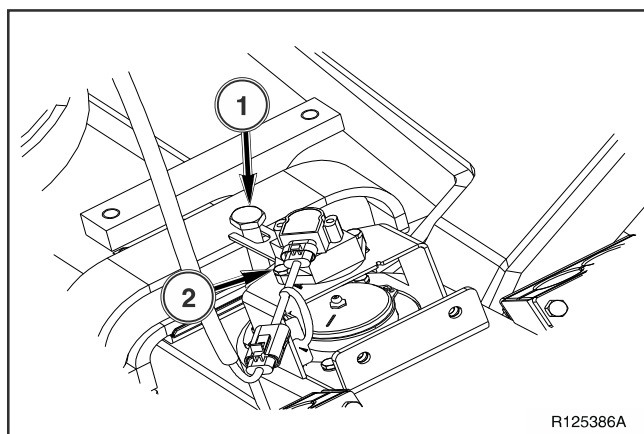

FIG. 83

Aligning the Front Steering Sensor

FIG. 84: Example of the WebGPI Table of Contents

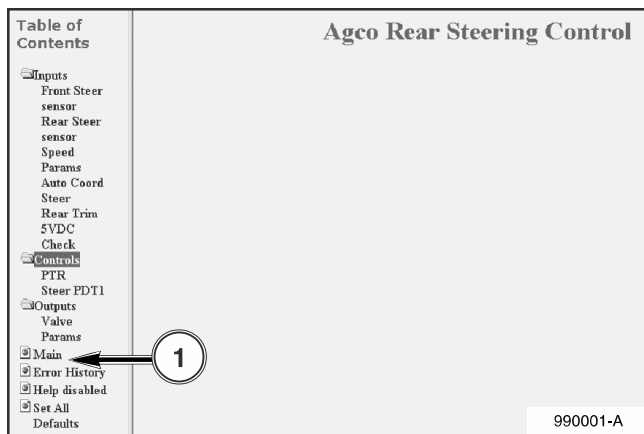24. Click on the Main tab (1) in the Table of Contents.

FIG. 84

FIG. 85: Example of the WebGPI Main Screen

25. Observe the Front Position value (1) while rotating the front sensor.

26. Tighten the sensor hold down bolts when the Front Position value (1) equals the Neutral Voltage value entered in step 18. (Reference Fig.49)

NOTE: The Neutral Voltage obtained from the Excel worksheet is displayed in milivolts and will need to be converted to volts before alignment. Move the decimal three places to the left to convert. (for example 2257 milivolts = 2.257 volts)

27. The block labeled Front Direction (2) should read "Neutral".

FIG. 86: View of Wheel Position Sensor, mounting bolts and long-bolt

28. Ensure the sensor shaft (1) is centered over the king pin (2) and tighten front sensor mounting bolts(3).
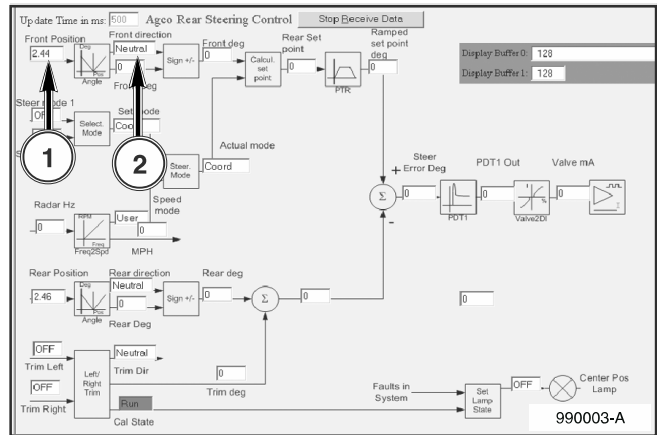
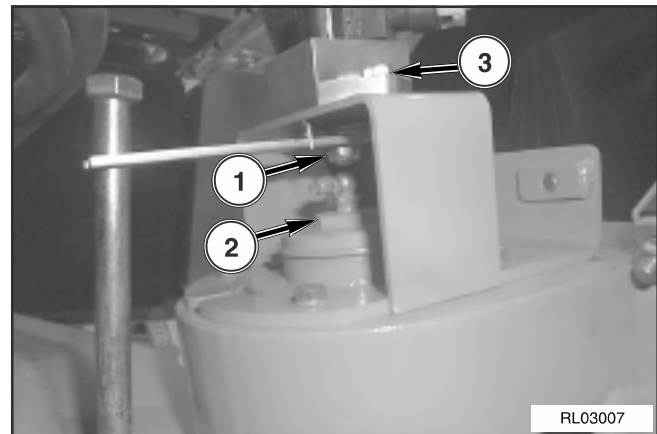## Aligning the Rear Steering Sensor

29. Click on the Main from the table of contents (Reference Fig.53)

FIG. 87: Example of the WebGPI Main Screen

30. Observe the Rear Postion value (1) while rotating the rear sensor

31. Tighten the sensor hold down bolts when the Rear Postion value (1) equals the Neutral Voltage value entered in step 21.

NOTE: The Neutral Voltage obtained from the Excel worksheet is displayed in milivolts and will need to be converted to volts before alignment. Move the decimal three places to the left to convert. (for example 2257 milivolts = 2.257 volts)

32. The block labeled Rear Direction (2) should read "Neutral".

33. Ensure the sensor shaft is centered over the king pin and tighten rear sensor mounting bolts.(Reference Fig.55)
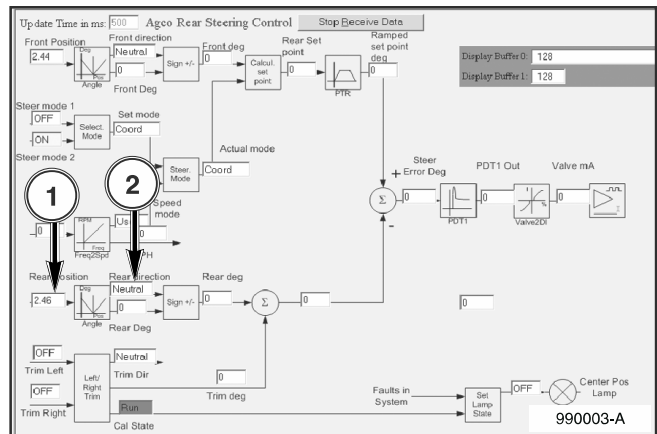

FIG. 85

FIG. 86

FIG. 87