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AgGPS EZ-Steer Assisted Steering System: New Holland Genesis and Buhler Genesis II Tractor Installation Instructions

This document provides installation instructions and tips for installing the AgGPS[®] EZ-Steer[™] assisted steering system on a New Holland Genesis or Buhler Genesis II tractor.

For vehicle setup parameters, enter the values for your vehicle that are provided in the *Vehicle Measurements Support Note*. Go to www.ez-steer.com.

Procedure

1. Remove the plastic housings from the steering column
2. Modify the upper and lower plastic housings
3. Reinstall the plastic housings
4. Install the EZ-Steer platform kit
5. Install the EZ-Steer motor

Step 1: Remove the plastic housings from the steering column

1. Tilt the steering column fully forward.



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2. Telescope the steering wheel fully out and then lock the steering wheel in place.



3. Remove the top two screws from the plastic housings covering the steering column.



4. Remove the bottom two screws from the plastic housings covering the steering column.



5. Remove the two-prong connector from the ether switch.



6. Remove the lower housing from around the steering column.



7. Remove the ether switch from the lower housing.



8. Tilt the steering column fully down and remove the upper housing.



Step 2: Modify the upper and lower plastic housings

Note: The steps below show how to modify the upper housing. Apply the same steps to the lower housing.

1. Obtain a Dremel or equivalent rotary tool, a #561 cutting bit, and a #470 sanding band.



2. Mark a point 10.2 cm (4 inches) from the edge of the plastic cover.



3. Mark the cutting edge with masking tape



4. Set Dremel tool to 500 RPM and cut slowly. Follow the edge of the masking tape. Use the #561 cutting bit to cut the plastic and then the #470 sanding band to smooth the cut edge.



The following photos show the upper and lower covers (outside and inside view) with 10.2 cm (4 inches) removed.





Step 3: Reinstall the plastic housings

1. Tilt the steering column down and reinstall the upper plastic housing.



2. Tilt the steering column up and insert the ether switch into the lower housing.



3. Reinstall the lower plastic housing and then reattach the ether switch two-prong connector.



4. Reinstall the two lower screws in the plastic housings.



5. Wipe the housing joints with denatured alcohol. Clean the surface of dirt and grease.



6. Apply black or clear plastic tape to seal the joints.

Tip: Squeeze the housings together before applying the tape.

- a. Apply a 7.6 cm (3 inch) long strip of black or clear plastic tape to the left and right joints.



- b. Apply a 2.5 cm (1 inch) long strip of tape to the top joint.



Step 4: Install the EZ-Steer platform kit

1. Assemble the 53059-05 bracket above the top of plastic housings.



2. Squeeze the bracket clamps together. Use a ½ gear ratchet combination wrench to turn the nuts down against the clamp.

Warning: DO NOT TIGHTEN.



3. Rotate the bracket slotted arm to a 2 o'clock position. Ensure that the end of the bracket will not contact the dash.



4. Tighten the bracket bolts to 4.1 Nm (3 ft-lbs) torque Use a ½ inch deep socket.



Step 5: Install the EZ-Steer motor

1. Loosen the steering wheel and then telescope it downwards until there is 23.5 cm (9.25 inches) distance between the slotted arm and the center of the steering wheel ring.



2. Pivot the electric motor drive until it locks in the “away” position.



3. Install the motor drive onto the slotted arm bracket. Insert the carriage bolts and tighten the wing nuts that are included with the platform kit.



4. Adjust the motor position so there is approximately 2.5–3.2 cm (1-1.25 inches) between the motor drive wheel and the steering wheel ring.



5. Pull the motor release knob. The motor will spring against the steering wheel.



6. Make sure the center of the motor drive wheel is aligned with the center of the steering wheel outer ring.



More information

For more information on installing the EZ-Steer system, contact your local EZ-Steer reseller.