

3 December 2004

for pricing and additional information, call Martens Farms at 877.585.6761
123farmworks.com/ezsteer.htm

AgGPS EZ-Steer Assisted Steering System

What is AgGPS EZ-Steer system?

The Trimble® AgGPS® EZ-Steer™ assisted steering system is an affordable assisted steering upgrade for the AgGPS EZ-Guide® Plus lightbar guidance system. It consists of a small friction wheel mounted to the vehicle steering column. It turns the steering wheel to keep the vehicle on line as a driver would.

What vehicles can the EZ-Steer system be installed on?

The EZ-Steer system can be installed on any approved agricultural vehicle with power steering. This includes tractors, articulated tractors, combines, and sprayers. Contact your local EZ-Steer Reseller or check www.EZ-Steer.com to see if your vehicle is approved for use with the EZ-Steer system.

Who are the target customers?

Anybody with an approved agricultural vehicle with power steering can use the EZ-Steer system. It is particularly good for operators who have an older tractor, for example, a John Deere series 4000 tractor, and would like a low-cost assisted steering device which is more accurate than foam markers.

Why use the EZ-Steer system?

The EZ-Steer system is ideal for reducing the stress of manually keeping the vehicle on line while being slightly more accurate. The driver can also spend more time and pay better attention to implements, spray booms or other controllers in the cab (for example, checking that there are no blocked nozzles and the correct material is being applied at the correct rate) and ensure the most efficient use of time in the field.

The EZ-Steer system can be used on any approved agricultural vehicle with power steering and is very simple to install. It is therefore suitable for older vehicles that may not be supported by the AgGPS Autopilot™ system.

How is the EZ-Steer system different from the Autopilot system?

The EZ-Steer system is an assisted steering upgrade for EZ-Guide Plus lightbar guidance system. It uses an electric motor to turn the steering wheel. It mounts on the steering column of the agricultural vehicle. The electric motor turns to keep the farm vehicle on-line as determined by the EZ-Guide Plus lightbar.

In contrast, the AgGPS Autopilot system is a fully featured automated steering system which interfaces to the hydraulic system of the vehicle. It uses a 6-axis inertial measurement unit (IMU) for tilt compensation and steering angle sensors to provide very accurate vehicle control.

The AgGPS Autopilot system is ideal for row crop planting on any terrain, while the EZ-Steer system is more suited to spreading and spraying applications on broadacre crops where extremely accurate positions are not required.

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Will the EZ-Steer system void my tractor warranty?

The EZ-Steer system does not require any changes to hydraulics and does not void your vehicle warranty. You can remove the EZ-Steer system from a vehicle in a few minutes and never know it was fitted.

How does the EZ-Steer system mount for my tractor?

There are a wide range of brackets available for installation of the EZ-Steer system into a wide range of agricultural vehicles.

How accurate is the EZ-Steer system?

The EZ-Steer system will give 6-12 inch pass-to-pass accuracy 95% of the time¹.

Will the EZ-Steer system give 4" pass-to-pass accuracy?

Yes. If you want 4" pass-to-pass accuracy you can use the EZ-Steer system with the EZ-Guide 252 system and OmniSTAR HP corrections.

Will the EZ-Steer system give 1" pass-to-pass accuracy?

No. If you want 1" pass-to-pass accuracy you must use the AgGPS Autopilot RTK automated steering system. The Autopilot system is more accurate than the EZ-Steer system due to extremely accurate tilt compensation and additional sensors that enable the overall system performance to reach levels as good as 1" pass-to-pass.

How long does the EZ-Steer system take to install?

The EZ-Steer system can typically be installed into most vehicles in less than 30 minutes.

How do I configure the EZ-Steer system?

The EZ-Steer system needs very little configuration. You simply use the EZ-Guide Plus lightbar to enter the vehicle measurements and you are ready to go. If you need to adjust the steering sensitivity, you can easily do this using the EZ-Guide Plus lightbar. You do not need any other computers or devices in the field to adjust the system.

Can I move the EZ-Steer motor controller out of the way?

If you are doing a lot of work for which you do not need the EZ-Steer system, you can latch the motor a few inches away from the wheel. Alternatively you can quickly remove it from the vehicle by unscrewing two screws but leave the bracket attached for quick installation again.

However, you do not need to remove the EZ-Steer motor during turns or short-term manual steering. The soft foam rubber wheel on the edge of the steering wheel is pressing only hard enough to provide firm non-slipping traction. Your fingers can easily pass under the drive wheel with no discomfort.

Alternatively, you can attach a spinner knob to mount to the inner part of the steering wheel so that you can steer the tractor without the need to touch the outer rim.

¹ Cross track error over 15 minutes, 95% of the time, in US Midwest with at least 5 satellites, PDOP \leq 6, SNR \geq 6, Elev Mask = 8 using WAAS differential corrections. WAAS is a free service available in the US.