## ECU Mounting Bracket Installation

### List of Components

<table>
<thead>
<tr>
<th>Item</th>
<th>Component Description</th>
<th>Part Number</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bracket, ECU Mounting</td>
<td>202-0481-08</td>
<td>1</td>
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<td>2.</td>
<td>Instruction Guide</td>
<td>602-0359-02</td>
<td>1</td>
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<tr>
<td>3.</td>
<td>Screw, 8-32 x 1/2&quot; Hex</td>
<td>514-0151-01</td>
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<td>4.</td>
<td>Bolt, M6 x 1 x 25mm Hex</td>
<td>513-0039-01</td>
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<tr>
<td>5.</td>
<td>Washer, M6 Flat Large OD</td>
<td>517-0032-01</td>
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<tr>
<td>6.</td>
<td>Washer, 5/16&quot; x 7/8&quot; Steel</td>
<td>516-0059-01</td>
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Overview

These instructions provide the suggested location and procedure for installing the ECU Mounting Bracket on qualified vehicles for the easiest installation and best performance. The ECU Mounting Bracket can be used to mount various types of ECU devices such as the GeoSteer Control Unit (GCU) or ECU4. Use these instructions for the basic explanation of how and where to mount the ECU Mounting Bracket and then attach the required ECU as needed.

Note: The installer can mount the ECU in alternative locations than the one suggested by the manufacturer so long as the mounting point is firmly attached to the frame of the vehicle, square with the direction of travel of the vehicle at all axes, located where it will not interfere the driver or normal operation of the vehicle, and protected from being damaged. If the ECU is mounted in an alternative location, verify the proper orientation is selected in the AutoSteer setup steps when required.

Note: Always refer to your AutoSteer system documentation to ensure this ECU Mounting Bracket Kit meets the mounting requirements (ex. orientation, ECU device) for your device and use case.

Supported Vehicles

The following models have been confirmed to be compatible with this ECU Mounting Bracket Kit:

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<td>Miller Nitro 5215, 5240, 5275, 5333, 5345, 5365, and 5400 (2012 -)</td>
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</table>
1. These sprayers may come with optional panels that cover the bottom of the machine. If it does, open all the doors to gain access to the entire bottom of the machine.

2. Locate the loading intake on the right side and the chemical induction tank on the left side under the front end of the sprayer. These will need to be lowered to gain access to the Orbitrol area.

3. Pull the safety pin out on the loading intake.

4. Release the latch holding the loading intake up and lower the assembly down.

Note: Be sure to have a firm grip on the loading intake when you lower it. It is heavy.
5. Look up at the cab floor just in front of the front frame cross beam and locate the ECU mounting point.

6. Remove the screw holding the air conditioning duct in place on the left side of the machine with a T-30 Torx driver.

7. Place the spacer (included in ECU mounting kit) above the right side ECU Mounting Bracket hole (left side of photo).

8. Attach the ECU Mounting Bracket to the existing threaded holes with two M6 x 1 x 25mm hex bolt and four M6 flat washers.

   **Note:** Use two flat washers with each bolt for more strength.

   **Note:** Verify that the spacer is held by the bolt after it is attached.

9. Tighten the bolts with a 10mm socket and ratchet.
10. Attach the ECU device to the mounting bracket with four 8-32 x 1/2” Hex Screws using a 1/4” nut driver. Do not over tighten.

**Note:** The connectors should face the right side of the vehicle.

11. Attach the required cables and harness to the ECU device to complete this portion of the installation.

**Note:** GeoSteer Control Unit showed installed for reference.
Custom Installations on Non-Supported Vehicles

This ECU Mounting Bracket can be modified as necessary to fit other vehicles not covered in this manual or mounted in alternative locations on the vehicle. The ECU Mounting Bracket can be modified by drilling new mounting holes in the bracket to match hole patterns on the machine. When installing the ECU Mounting Bracket in a custom location always keep in mind the following requirements:

• Confirm that the ECU device is mounted square in all directions (horizontally, vertically, and front to back) to the direction of travel of the vehicle after it is installed. The ECU device must be mounted within 2 degrees of square in all angles for best vehicle performance.
• If mounted by the seat, confirm that there is sufficient clearance around the seat to accommodate the ECU Mounting Bracket and ECU device as the seat suspension moves up-and-down even with the seat at its lowest level (ex. all the air removed). Also confirm that there is sufficient clearance to allow the seat to rotate at all heights without interfering with the ECU Mounting Bracket and ECU device.
• If mounted outside the cab, confirm that the ECU Mounting Bracket and ECU device are protected from damage from crops while in operation.
• Confirm that the ECU Mounting Bracket and ECU device do not interfere with any of the vehicle’s control levers, knobs or other components.
• Confirm that the ECU Mounting Bracket and ECU device do not interfere with the operator’s visibility while operating the vehicle.
• Confirm that the ECU Device, when mounted, will not be damaged by falling objects or placed where other material can be piled on top of it.
• Confirm that the ECU Mounting Bracket is firmly secured to the vehicle.