# ECU Mounting Bracket Installation

## Components List

<table>
<thead>
<tr>
<th>Item</th>
<th>Component</th>
<th>Part Number</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bracket, ECU Mounting</td>
<td>202-0481-05</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Nut Coupling, M8 x 19mm</td>
<td>519-0032-01</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Bolt, Hex M8 x 16mm</td>
<td>513-0049-01</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>Washer, Flat M8</td>
<td>517-0002-01</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>Install Guide</td>
<td>602-0335-01</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Screw 8-32 x 1/2”</td>
<td>514-0151-01</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>Bolt, Allen Head M8x1.25x30mm</td>
<td>515-0121-02</td>
<td>2</td>
</tr>
</tbody>
</table>
Overview

These instructions provide the suggestion 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.

Note: Always verify that the ECU bracket and ECU device do not interfere with the seat (including when deflated or at lowest position) and/or other equipment in the cab.

Note: Additional hardware is provided with this kit that may not be used on all installations. The additional hardware is provided to allow for custom installations or additional model support.

Supported Vehicles

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

<table>
<thead>
<tr>
<th>Supported Make, Models, and Year Model was First Released</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custom Installations on Non-Supported Vehicles</td>
<td>6</td>
</tr>
<tr>
<td>Fendt Vario COM3 714, 716, 718, 720, 722, and 724 (2011 -) Option 1 Seat Mount</td>
<td>3</td>
</tr>
</tbody>
</table>
1. Locate the two bolts on the left side of the seat that holds it to the floor.

   **Note:** You may need to pull the rubber protector up from the seat base to see and access the bolts.

2. Remove the two nuts holding the seat to the floor with a 13mm deep well socket and ratchet.

3. Attach two M8x19mm Coupling Nuts to the studs to hold the seat. Tighten the Coupling Nuts with a 16mm socket and ratchet.

4. Place the ECU Mounting Bracket over the Coupling Nuts and attach with two M8 x 16mm bolts and M8 flat washers. Tighten with a 13mm socket and ratchet.
5. 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 rear of the vehicle.

6. 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.
1. Locate the two Allen head bolts on the left side that hold the seat to the floor bracket.  

**Note:** You may need to pull the rubber protector up from the seat base to see and access the bolts.

2. Remove the two bolts holding the seat to the bracket with a 6mm Allen wrench and 13mm wrench.

3. Place the ECU Mounting Bracket to the seat using two M8 x 30mm Allen head bolts, M8 flat washers, and M8 nuts removed in the previous step. Tighten with a 6mm Allen wrench and 13mm wrench.

4. 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 rear of the vehicle.

5. 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 that may have the same or even different seat hardware configurations. The ECU Mounting Bracket can be modified by drilling new mounting holes in the bracket to match the hole pattern of the machine. When installing the ECU Mounting Bracket in a custom installation always keep in mind the following requirements:

- 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).
- Confirm that there is sufficient clearance to allow the seat to rotate without interfering with the ECU Mounting Bracket and ECU device.
- Confirm that the ECU Mounting Bracket and ECU device do not interfere with any of the vehicle’s seat or other control levers and knobs.
- 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.
- 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.