## ECU Mounting Bracket

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<tr>
<th>Item</th>
<th>Component</th>
<th>Part Number</th>
<th>Qty</th>
</tr>
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<td>1.</td>
<td>ECU Mounting Bracket</td>
<td>202-0495-02</td>
<td>1</td>
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<tr>
<td>2.</td>
<td>Coupling Nut, M8 x 19mm</td>
<td>519-0032-01</td>
<td>2</td>
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<td>3.</td>
<td>Bolt, Hex M8 x 1.25 x 16mm</td>
<td>513-0049-01</td>
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<td>4.</td>
<td>Washer, Flat M8</td>
<td>517-0002-01</td>
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<td>5.</td>
<td>Instruction Guide</td>
<td>602-0336-01</td>
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<tr>
<td>6.</td>
<td>Screw, 8-32 x 1/2” Hex</td>
<td>514-0151-01</td>
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<td>7.</td>
<td>Screw, Socket Head M8 x 1.25 x 30mm</td>
<td>515-0121-02</td>
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<td>8.</td>
<td>Spacer, 5/16” x 3/4” x 3/8</td>
<td>521-0052-01</td>
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Overview

These instructions provide the procedure(s) for installing the ECU Mounting Bracket on qualified vehicles at the factory recommended location. The ECU Mounting Bracket can be used to mount various ECU devices such as the GeoSteer Control Unit (GCU) or ECU4 on various makes and models. This bracket has been qualified on the vehicle(s) listed below; however this bracket kit can also be used for custom installations to install on other vehicles not listed.

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, does not interfere with the driver or with the normal operation of the vehicle, and is protected from being damaged.

Note: If mounting next to the seat, always verify that the ECU bracket and ECU device do not interfere with the seat (including when deflated, at the lowest position, or while rotated) and/or other equipment in the cab after the final installation.

Supported Vehicles

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

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<th>Supported Make, Models, and Year Model was First Released</th>
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<td>• Custom Installations on Non-Supported Vehicles</td>
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<td>• John Deere S550, S660, S670, S680, and S690 (2012 -)</td>
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1. Locate the ECU Bracket mounting location between the driver and buddy seat.

2. Locate the two mounting bolts on the left side of the seat.

   **Note:** You will have to pull the rubber cover up to gain access to the bolts.

   **Note:** Depending on the seat option, the seat may be held to the vehicle by two M8 nuts or two M8 Allen screws. This kit has the parts to work with either option. Follow the instructions specific for the seat option encountered.

3. Depending on the seat option:
   a. Remove the two nuts with a 13mm socket and ratchet.
   b. Remove the two Allen screws with a 6mm Allen wrench.

4. Depending on the seat option:
   a. Attach the two M8 standoffs to the existing studs and tighten with a 14mm socket and ratchet
   b. Place the 3/4” spacers over the exiting mounting hole.
5. Depending on the seat option:
   a. Place a M8 flat washer over both of the standoffs and then start a M8 Hex bolt into each standoff.
   b. Place a M8 flat washer on top of each of the spacers and then start a M8 x 30mm Allen screw in both holes.

6. Slide the ECU Mounting Bracket under the M8 flat washer and above the spacers.

7. Depending on the seat option:
   a. Tighten with the M8 bolt with a 13mm socket and ratchet.
   b. Tighten the M8 Allen screw with a 6mm Allen wrench.

8. Attach the ECU device to the mounting bracket with four 8-32 x 1/2" Hex Screws.

9. Use a 1/4" nut driver to tighten. Do not over tighten

   **Note:** The ECU connectors should face the rear of the vehicle.
10. 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.