INSTALLATION INSTRUCTIONS

Follow these instructions to install the ECU bracket kit PN 200-0651-02 in the vehicle cab. The bracket will fit the existing factory hardware designed for the factory steering controller. The bracket will fit most CNH tractors, sprayers and combine harvesters that are factory AccuGuide-ready or IntelliSteer-ready. The exact bracket position and mounting hardware can vary depending on the vehicle model. If your vehicle model is not listed in this manual, refer to your vehicle manual or contact your dealer to determine the mounting location for the steering controller.

200-0651-02 Kit Parts List

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>202-0268-04</td>
<td>BRACKET ADAPTER CNH</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>514-0151-01</td>
<td>SCREW 8-32 x ½ HEX WASHER SLOT SS</td>
<td>04</td>
</tr>
<tr>
<td>3</td>
<td>519-0009-01</td>
<td>NUT M6 HEX STEEL</td>
<td>04</td>
</tr>
<tr>
<td>4</td>
<td>517-0014-01</td>
<td>WASHER FLAT M6 STEEL</td>
<td>04</td>
</tr>
<tr>
<td>5</td>
<td>602-0324-01</td>
<td>INSTRUCTIONS BRACKET CNH ACCUGUIDE</td>
<td>01</td>
</tr>
</tbody>
</table>

Follow the instructions on the following pages to install the bracket on CNH vehicle models that are listed at the top of each page.
Application:  
CASE MX-210, 230, 255, 285  
CASE MX-215, 245, 275, 305, 335  
NEW HOLLAND TG-210, 230, 255, 285  
NEW HOLLAND TG-215, 245, 275, 305  
NEW HOLLAND T8010, T8020, T8030, T8040, T8050  
CASE MAGNUM 180, 190, 210, 225, 235, 260, 290, 315, 340  
NEW HOLLAND T8.275, T8.300, T8.360, T8.390  
CASE SPX-3320, 3330

1. Locate the factory steering controller mounting threads behind the panel cover under the rear cab window.

2. Loosen the four wing nuts and remove the cover.

3. Identify the four threaded studs and the two factory cable connectors. Only the 40-pin connector will be used to connect the GCU to the machine steering system.

Note: A small 4-pin CAN connector may be provided with your ECU harness. This CAN connector will not be used and must not be connected to the vehicle harness unless instructed otherwise in another manual.
3. Install the GCU on the supplied bracket.
4. Secure to the bracket using the four screws provided. Tighten using a ¼” nut driver.

5. Connect all necessary cables to the ECU that may include a main harness, vehicle harness and RF coax cables.
8. Connect the 40-pin connector from the ECU harness to the 40 pin connector on the factory harness.
7. Install the ECU with its bracket onto the four vehicle mounting studs with the two main ECU connectors pointing towards your left side (this corresponds to having the two connectors pointing towards the right side of the machine from the driver seat perspective looking forward).

8. Close the ECU compartment with the original cover plate and secure with the four factory wing nuts.

Note: You may choose to leave the cover open until the ECU unit is powered up for the first time so that you can see the diagnostics LEDs for troubleshooting purposes.
Application:  

CASE STX 280, 330, 380, 430, 480, 530  (2006-2010)
STEIGER 350, 400, 450, 500, 550, 600  (2011- )
NEW HOLLAND T9020, T9030, T9040, T9050, T9060  (2006-2010)
CASE SPX 4420, 4430
CASE TITAN 4030, 4530, 4040, 4540

1. Locate the training seat on the left side of the cab. The ECU will be installed on the factory mounting hardware located under the fuse compartment that is under this seat.

**CAUTION:** To avoid possible shorts and electrical fire hazard when working around the fuse panel, disconnect the vehicle battery before proceeding with this installation.

2. Tilt the seat forward and remove the plastic storage compartment.

3. For better access to the fuse box you can remove the seat by loosening the two seat hinge bolts shown on left using a 10mm wrench.
<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Remove the two screws and two nuts that secure the fuse panel. Use a 10mm deep socket and ratchet.</td>
<td><img src="image1.png" alt="Fuse Panel Diagram" /></td>
</tr>
<tr>
<td>5</td>
<td>Lift the front of the fuse panel upwards as shown to gain access to the ECU mounting location. You can secure the fuse panel in this position with a cable tie if necessary.</td>
<td><img src="image2.png" alt="Fuse Panel Diagram" /></td>
</tr>
<tr>
<td></td>
<td>Mount the flat ECU bracket to the four factory mounting studs on the floor. Use four M6 nuts and flat washers. Use a 10mm socket and ratchet.</td>
<td><img src="image3.png" alt="ECU Bracket Diagram" /></td>
</tr>
</tbody>
</table>
6. Locate the factory 40-pin connector. Remove the yellow plastic cover. The smaller factory connector will not be used for this installation.

7. Connect the ECU vehicle harness to the factory 40-pin connector. Tighten with a 5/32" Allen wrench.

Note: A small 4-pin CAN connector may be provided with your ECU harness. This CAN connector will not be used and must not be connected to the vehicle harness unless instructed otherwise in another manual.

8. Install the ECU on the bracket with the two connectors pointing towards the front of the machine.

9. Rout all cables into the space around the ECU so that they do not interfere with the fuse panel.
<table>
<thead>
<tr>
<th>Step</th>
<th>Instructions</th>
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<tbody>
<tr>
<td>10.</td>
<td>Install the fuse panel in its original position. Confirm that the fuse panel is not pinching the ECU cables.</td>
</tr>
<tr>
<td>11.</td>
<td>Install and tighten all screws that were removed for this installation.</td>
</tr>
<tr>
<td>12.</td>
<td>Replace the plastic storage compartment and seat.</td>
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<tr>
<td>13.</td>
<td>Connect the vehicle battery.</td>
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<tr>
<td>14.</td>
<td>You may choose to power up your system before fully closing the fuse panel with fasteners in order to see the diagnostic LEDs on the ECU.</td>
</tr>
</tbody>
</table>
**Application:**

- CASE PUMA 130, 145, 160, 170  (2011-)
- CASE PUMA 185, 200, 215, 230  (2011-)
- NEW HOLLAND T7030, T7040, T7050, T7060, T7070  (2007-2010)
- NEW HOLLAND T7.170, T7.185, T7.200, T7.210  (2011-)

1. Locate the plastic cover on rear left corner of the cab.
2. Open this cover to gain access to the steering controller mounting bracket.

3. Locate the factory 40-pin connector under the factory mounting plate. If necessary, the factory mounting plate can be removed after loosening three screws that are reached using a socket wrench through the holes in the plate.

4. Mount the flat ECU bracket provided over the four threaded studs.
5. Secure the ECU bracket using four nuts and flat washers provided.
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<tr>
<td>3.</td>
<td>Install the ECU over the bracket and secure using the four screws provided.</td>
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<tr>
<td>4.</td>
<td>Tighten using a ¼” nut driver.</td>
</tr>
<tr>
<td>5.</td>
<td>Rout the ECU main harness and vehicle harness through the slot and under the factory mounting plate.</td>
</tr>
<tr>
<td>6.</td>
<td>Connect the ECU harness to the 40-pin connector on the vehicle.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>A small 4-pin CAN connector may be provided with your ECU harness. This CAN connector will not be used and must not be connected to the vehicle harness unless instructed otherwise in another manual.</td>
</tr>
<tr>
<td>6.</td>
<td>Replace and tighten the top cover.</td>
</tr>
</tbody>
</table>
Application: CNH Combines AccuGuide or IntelliSteer-ready as listed below
AFX-7010, AFX-8010, AFX-7120, AFX-8120, AFX-9120
New Holland CX-9040, CX-9060, CX-9070, CX-9080

1. Locate the factory controller mounting spot on the cab floor to the right of the driver seat.
2. Relocate any electronic modules, cables or other accessories that may interfere with the bracket and ECU installation.
3. Remove the wing nuts and the sheet metal box to reach the four threaded spacers that will be used to mount the ECU bracket to the floor.
4. Place the flat bracket provided over the four threaded spacers in the position shown and secure with four M6 hex nuts and washers provided. You may also choose to use the original wing nuts to secure the bracket.
5. Tighten the four hex nuts.
6. The bracket should now be flat and firmly secured to the machine.
7. Install your ECU unit on top of the bracket with the connectors pointing towards the driver seat.
9. Secure the ECU to the bracket using the four screws provided. The bracket has mounting threads for both small and large ECU.
10. Tighten the screws using a ¼" nut driver.
11. Connect all necessary cables to the ECU and secure with cable ties.
12. Confirm that all screws are tight.
Application:  

CNH Combines AccuGuide-ready as listed below  

**CASE 5088, 6088, 7088**

1. Locate the factory steering controller mounting plate on the right side of the combine behind the cab. It is a flat vertical bracket with four mounting holes.

3. Install the ECU bracket over the four mounting holes on the machine and secure using the four M6 screws, washers & nuts provided.  
Note: The M6 washers are provided with the ECU bracket while the M6 screws and nuts are provided separately in the vehicle kit.

4. Tighten the four mounting screws.
5. The bracket should now be firmly secured to the machine.

5. Install your ECU unit on the bracket with the connectors pointing down.
6. Secure the ECU to the bracket using the four screws provided. The bracket has mounting threads for both small and large ECU.

7. Tighten the screws using a ¼” nut driver. Do not overtighten.
| 8. | Connect all the necessary cables to the ECU and secure with cable ties. |
| 9. | Tighten the two large connectors using a $\frac{1}{4}''$ nut driver. |
| 10. | Confirm that all screws and cables are tight. |
**Application:** Installations on non listed vehicles.

If your CNH vehicle is AccuGuide-ready or IntelliSteer-ready and is not listed in this manual, refer to your vehicle owner’s manual or contact your dealer to locate the factory steering controller mounting position. Once the mounting location has been identified, install the ECU bracket following the same general procedure described in this manual. Always confirm that the bracket is firmly secured to the vehicles and that all fasteners are tight. If necessary, adjust the ECU position and orientation in the application software to match the actual position and orientation as installed on your vehicle.