

PPII to PPIII Envelop Upgrade Installation Instructions 2017–2022 Case 3000–4000 Series

Table 1: Parts List

Part Number	Description	Qty
118606-819	SIGNAL HARNESS, PC2 REPLACEMENT	1
118606-827	SHUTOFF HARN, PC2 REPLACEMENT,	1
118640-038	PPIII, HUB MOUNT	2
118640-040	KEY FOB PP WITH KEY CHAIN	1
122100-010	INSTALLATION KIT PINPOINT	1
123000-013	MOUNTING PLATE, PPIII	1
123000-150	ASSY, POWER HUB PPIII	1
123000-210	OP MANUAL PPIII ENVELOP	1
123000-218	INSTALLATION CASE PPII-PPIII	1
123000-227	INSTALLATION, CASE IH, PPIII	1
123000-228	INTEGRATION, CASE IH, PPIII	1
620137-001	BOLT FLANGE 3/8"-16 X 1" GR8	4
706530-348	DUST PLUG 6-PIN DEUTSCH DT	2
713501-517	SCREW 3/8"X16X3/4" HEX HEAD	4
713501-530	NUT, HEX FLANGE 3/8-16	4
713501-905	NUT 3/8"-16 HEX W/K-LOCK	4
713600-003	WASHER FLAT 3/8	4
715005-145	TERMINAL RING 8GA 1/4" INS	2

Requirements

- 2017–2022 Case IH Sprayer
- Fully functioning PinPoint II system with no faults/errors
- VCM Compatibility: A14 Style
- ISOBUS Compatible Controller - Confirm Maximum Task Control Section Capabilities with Controller Manufacturer

Note: If the machine is running a Pro 700 Task Controller, refer to 123000-231, Case IH Pro 700 TC GPS PP3 Installation for installation of the GPS adapter harness.

Confirm that the Pro 700 VT version compatibility is 35.2.0.0

Envelop VCM Compatibility

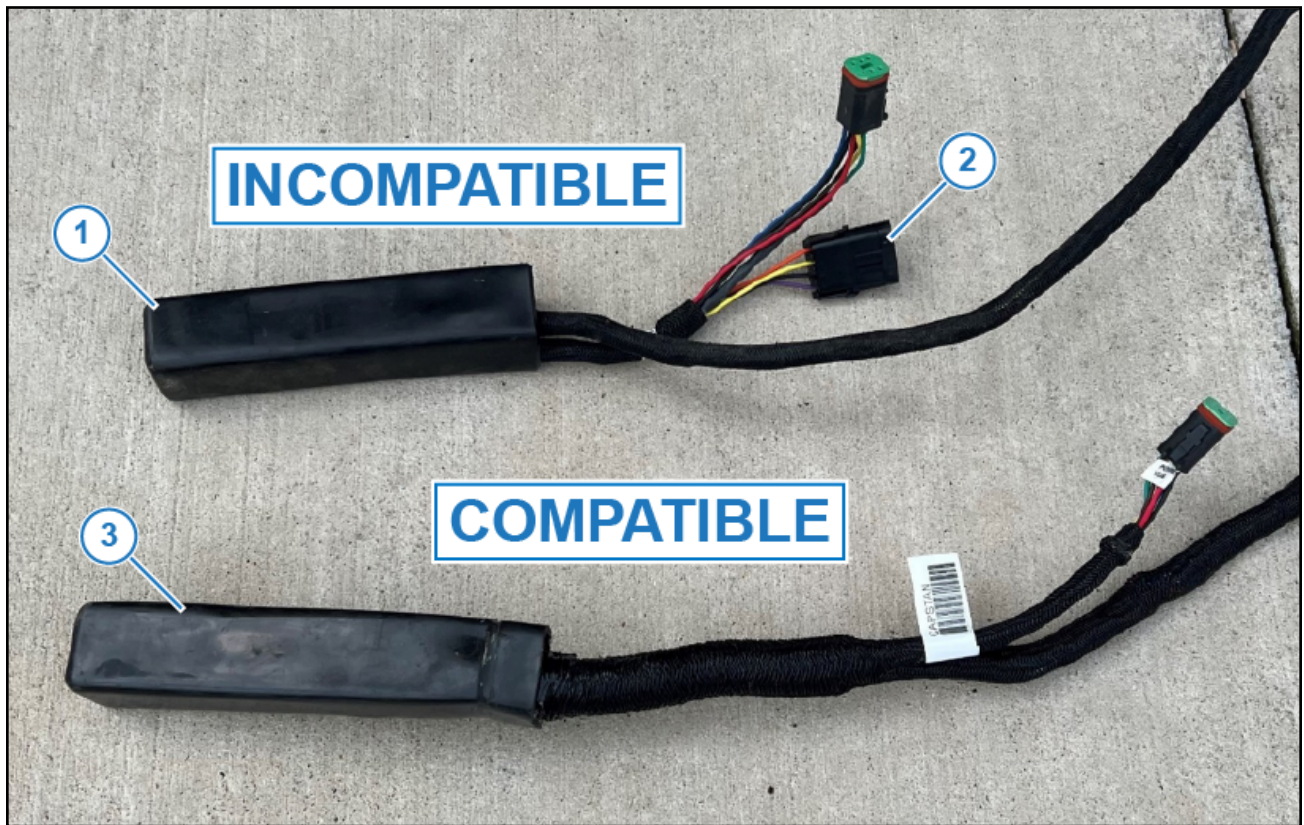


Figure 1: VCM Compatibility

- Incompatible VCM: A9 Style (Figure 1, Item 1) with 4-pin Weather Pack programming connector (Figure 1, Item 2).
- Compatible VCM: A14 Style (Figure 1, Item 3) without programming connector

PPII to PPIII Retrofit Procedure

1. Prepare the machine for PPIII installation.
 - Verify VCM compatibly, refer to [Figure 1](#).
 - Manually trip the circuit breaker at battery. Check for voltage across the **12+V** and **-GND** posts on the gateway hub if needed to verify that power has been disconnected.
 - Remove the PPII Gateway hub cover.
 - Cut off the existing ring terminals from the PPII power harness at the gateway hub side and replace them with supplied 1/4" terminals (PN 715005-045).
2. Remove PPII system components.
 - Label each VCM Extension harness by location on boom (Boom 1 = VCM ext 1, Boom 2= VCM ext 2, etc) and remove VCM Extension harnesses 1–7 from the Gateway hub.
 - Remove extension harness from the Boom 11 port.
 - Uninstall PSI Nav Commander.
 - Remove the harness for the CapView display from the Boom 12 port.
 - Remove the CapView II, key switch power cable if needed, and GPS Harness from the sprayer cab.
 - Remove rest of the PPII chassis harnessing from the Gateway hub.
 - Remove the Gateway hub and mounting from rear center rack.
 - Remove the PPII chassis harness from the machine all the way to the PC II Node.
3. Install the PPIII Envelop system in accordance with Case IH Install instructions (PN 123000-227).
 - Connect PPII power harness to the PPIII Gateway hub.
 - Plug each VCM extension harness labeled in Step 2 into the corresponding VCM port on the PPIII Gateway Hub. Boom 1 to VCM Port 1, etc.
 - Some machines may not use Booms 6 and 7.
 - If the sprayer uses an AFS 372 GPS receiver for GPS position, install (PN 123100-046).
 - Close the breaker at the battery.
4. After installation is complete, set up the system in accordance with integration instructions (PN 123000-228) Case IH PP3 Integration.

PPIII GPS Integration w/ Pro 700 Task Controller

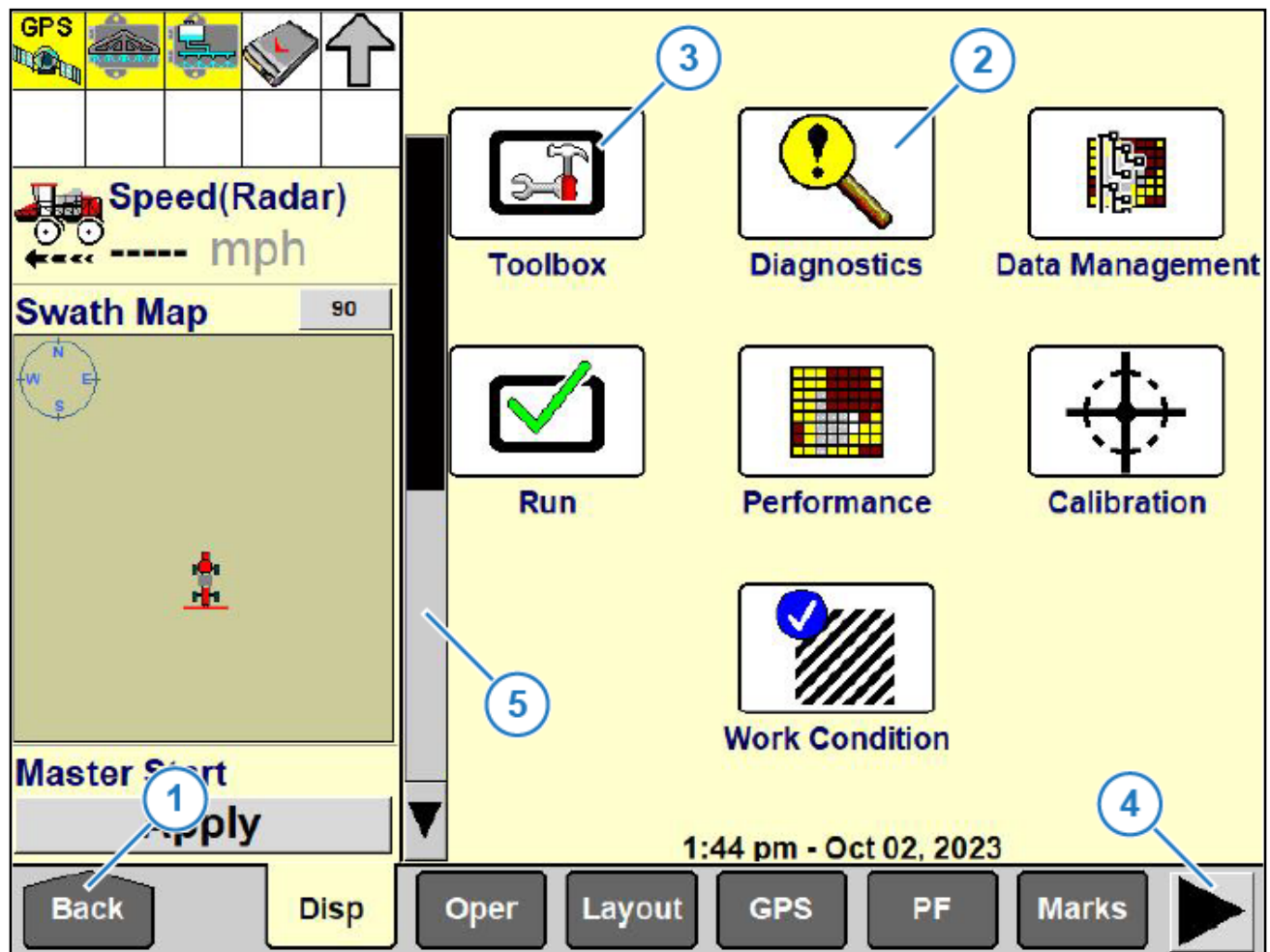


Figure 2: Pro 700 VT Screen

1. Tap the **Back** icon (Figure 2, Item 1) to display the Home screen on the Pro 700 if necessary.
2. Tap the **Diagnostics** icon (Figure 2, Item 2) and select the **Version** tab in the lower ribbon to display the VT software version information.
 Confirm that the Pro 700 VT version compatibility is at least 35.2.0.0 or more recent.
3. Tap the **Back** icon to return to the home screen and then tap the **Toolbox** Icon (Figure 2, Item 3).
4. Select the **Boom** icon from the lower ribbon and confirm that the **Implement** field matches the machine type and that the **Boom Configuration** is set to **Auto-Detect**.
5. Select **TC-Setup** from the lower ribbon, use the scroll icon (Figure 2, Item 4) to display more tabs if necessary.

6. Confirm the following settings in the TC Setup Screen, use the scroll bar (Figure 2, Item 5) to display more settings if necessary:
 - Task Controller: Installed
 - Auto Resume: Enabled
 - TC Operation Mode: Advanced
 - ISO Data Logging: Enabled
 - TC Task: Default Auto Task
7. Select The **VT** icon from the lower ribbon. Confirm the following settings in the VT Setups screen:
 - VT Enabled: Yes
 - VT Compatibility: Version 3
 - VT Number: 1
 - Send ISO Speed: No
 - Soft Keys: 6
8. Select the **TC PF** icon from the lower ribbon. Confirm the following settings in the TC PF Impl Values Screen match your machine's configuration:
 - Implement Width
 - Swath Width
 - Implement Offset