PPII to PPIII Envelop Upgrade Installation Instructions 2018–2021 Hagie

Table 1: Parts List

Part Number	Description	Qty
706530-348	DUST PLUG 6-PIN DEUTSCH DT	11
123000-150	ASSY, POWER HUB PPIII	1
118640-048	HARNESS,CAN, Y	2
123100-020	HARNESS, PPIII HAGIE ADAPTER	1
123100-021	HARNESS, PPIII HAGIE ADAPTER	1
123000-225	INSTALLATION, HAGIE, PPIII	1
122100-010	INSTALLATION KIT PINPOINT	1
123000-226	INTEGRATION, HAGIE, PPIII	1
118640-132	KIT, PINPOINT HUB MOUNT HAGIE	1
123000-013	MOUNTING PLATE, PPIII	1
123000-210	OP MANUAL PPIII ENVELOP	1
715005-136	TERMINAL RING, 8GA, 1/ 4"	2
708000-160	TUBE SHRINK 3/8 X 1.25 BLACK	2

Requirements

- 2018–2021 Hagie Sprayer
- Fully functioning PinPoint II system with no faults/errors
- ISOBUS Compatible Controller - Confirm Maximum Task Control Section Capabilities with Controller Manufacturer

PPII to PPIII Retrofit Procedure

1. Prepare the machine for PPIII installation.

    - 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 1–9 from the Gateway hub.

    - Disconnect the PPII Chassis harness from the Gateway hub.

    - Remove the PPII chassis harness from the machine.

      — Reconnect the Hagie flowmeter harness into the flowmeter.

      — Reconnect the Hagie PWM harness into the PWM Valve.

    - Remove the harness for the CapView II display.

    - Remove the CapView II, key switch power cable if needed, and GPS Harness from the sprayer cab.

    - Remove the Gateway hub and mounting from center rack.

3. Install the PPIII Envelop system in accordance with Hagie Install instructions (PN 123000-225).

    - Connect PPII power harness to the PPIII Gateway hub.

    - Install CAN-Y cables (PN 118640-048) in VCM Ports 3 and 5.

    - Plug the machine VCM extension harnesses into the Gateway Hub as shown in Table 2.

Table 2: Gateway Hub VCM Port Connections

Gateway Hub Port	Machine Harness Connection
VCM Port 1	VCM 1 (Boom 1) extension harness
VCM Port 2	VCM 2 (Boom 2) extension harness
VCM Port 3 (CAN-Y cable installed)	VCM 3 (Boom 3) extension harness (via CAN-Y cable PN 118640-048)
	VCM 4 (Boom 4) extension harness (via CAN-Y cable PN 118640-048)
VCM Port 4	VCM 5 (Boom 5) extension harness
VCM Port 5 (CAN-Y cable installed)	VCM 6 (Boom 6) extension harness (via CAN-Y cable PN 118640-048)
	VCM 7 (Boom 7) extension harness (via CAN-Y cable PN 118640-048)
VCM Port 6	VCM 8 (Boom 8) extension harness
VCM Port 7	VCM 9 (Boom 9) extension harness

    - Close the breaker at the battery.

4. After installation is complete, set up the system in accordance with integration instructions (PN 123000-226) Hagie PP3 Integration.