Installation Instructions

PinPoint™ III ENVELOP on AGCO/Fendt

Parts List

Part Number	Parts Drawing Description	Qty
116301-014	PRESSURE TRANSDUCER ASSY l00PSI	1
118640-040	KEY FOB PP WITH KEY CHAIN	1
123000-013	MOUNTING PLATE, PPIII	1
123000-150	ASSY, POWER HUB PPIII	1
123000-210	OP MANUAL PPIII	1
123100-065	HARNESS, CHASSIS, FENDT, PPIII	1
705725-140	FUSE BOLT-DOWN 100A 32V	1
706530-325	CONNECTOR RECEPTACLE 4-PIN	1
706530-346	PLUG CAVITY 16-18GA DEUTSCH	4
706530-348	DUST PLUG 6-PIN DEUTSCH DT	9
706530-352	DUST PLUG 4-PIN DEUTSCH DT	1
708000-051	TAPE TEFLON	1
710100-533	SQ U-BOLT 5/ 16-18 X 1-3/4 X 3	2
716008-314	TEE 1/4" FPT SS	1
716008-315	FITTING 1/4 MPT X 1/4 MPT X	1

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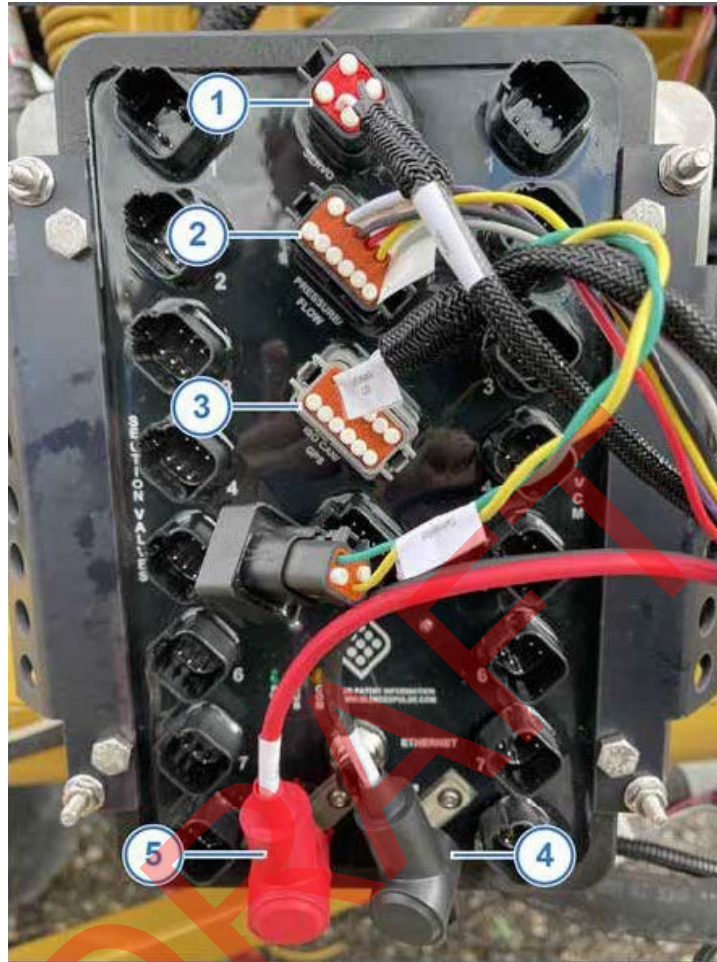CapstanAG.com | CapstanAG.ca

Kit Installation

Figure 1 — Envelop Hub Mounting Location

1. *Figure 1:* Identify Envelop Hub mounting location (1) –at bottom of main boom frame just left of center.

2. Remove any zip ties that may interfere with mounting hub or routing harnesses.

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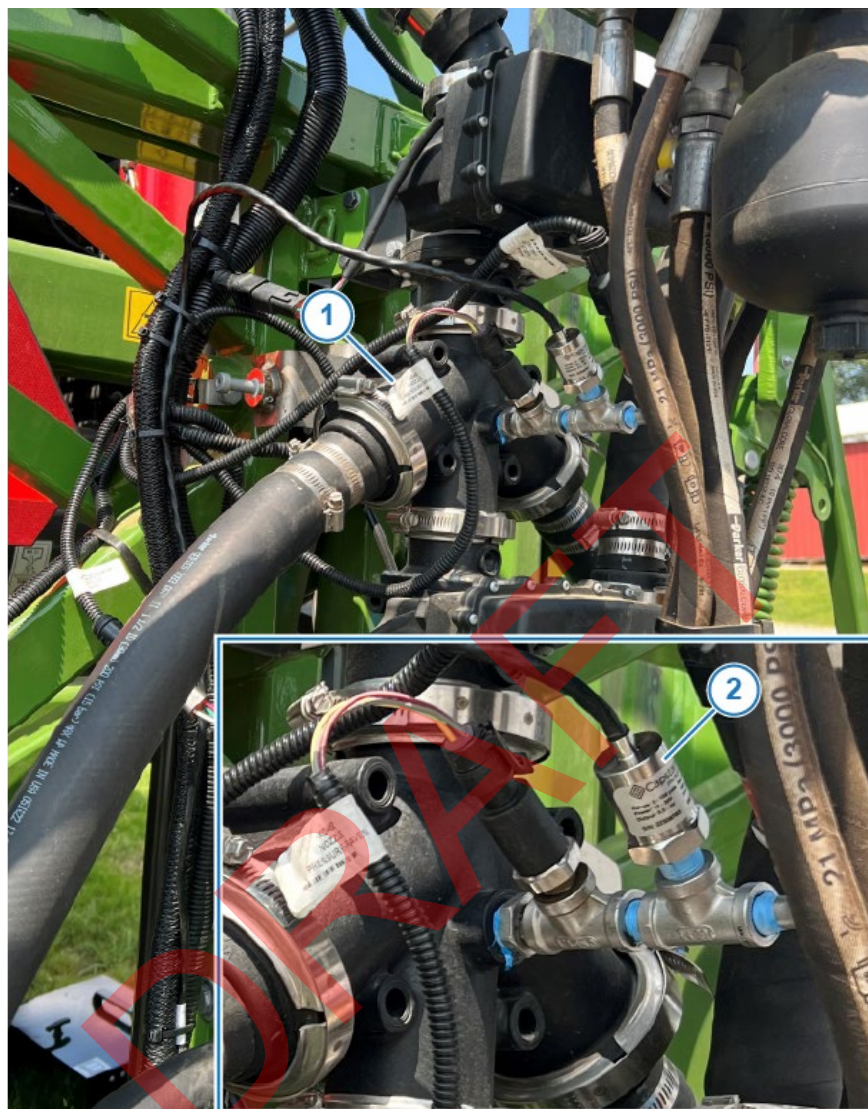CapstanAG.com | CapstanAG.ca

Figure 2 — Envelop Hub Installation

3. *Figure 2:* Install mounting bracket 123000-013 (1) with supplied U-bolt and hardware 710100-533 (2) to frame (3).

4. Install Envelop hub 123000-150 (4) to mounting bracket (1) with supplied hardware (5).

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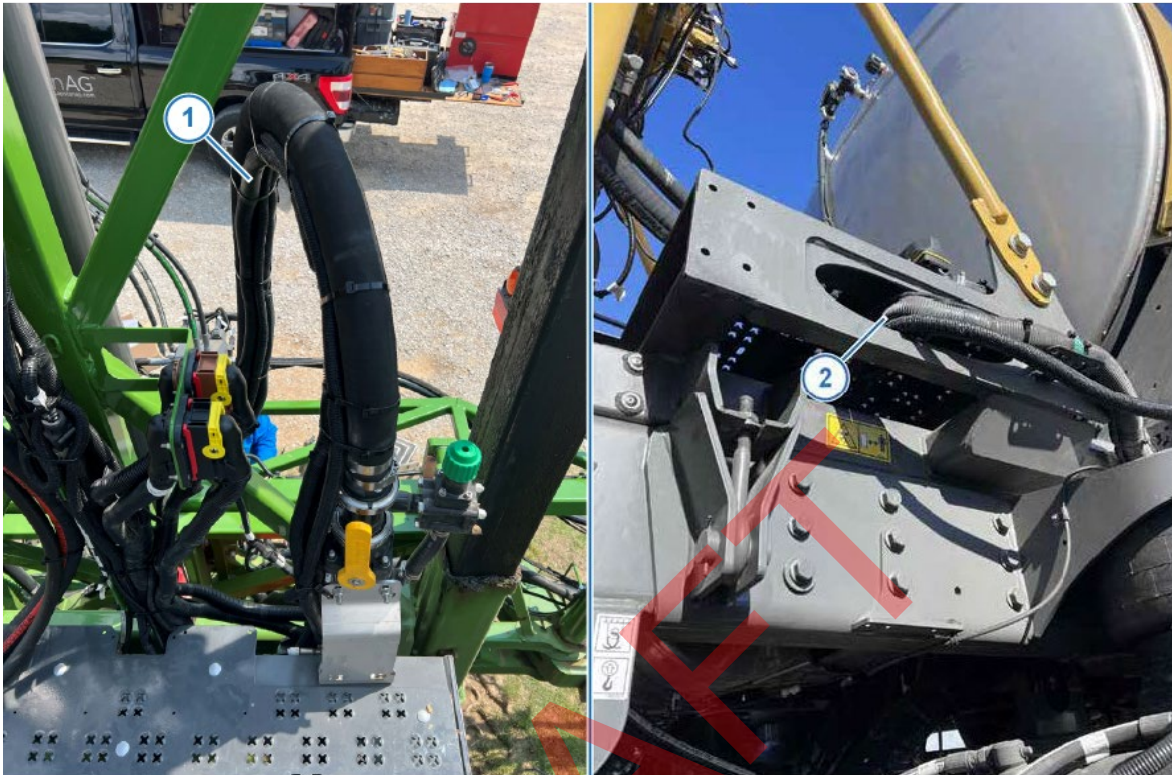CapstanAG.com | CapstanAG.ca

Figure 3 — PinPoint III Chassis Harness Connections

5. *Figure 3:* Connect PinPoint III Chassis Harness connectors to Envelop Hub, but do not fully secure at this time.
   (1) Servo
   (2) Pressure/Flow
   (3) ISO CAN/GPS
   (4) Ground
   (5) Power

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Figure 4 — Pressure Sensor

6. *Figure 4:* Locate OEM pressure sensor(s) (there may be multiple sensors) on rear rack plumbing (1).

7. Disconnect electrical connector and remove OEM pressure sensor and 90-degree elbow.

8. Install ¼" pipe nipple (716008-315) and T-fitting (716008-314) in place of pressure sensor.

9. Install OEM pressure sensor and 90- degree elbow in one port of T-fitting and PinPoint III pressure sensor (116301-014) (2) in the other port.

10. Reconnect OEM pressure sensor electrical connector to OEM pressure sensor.

11. Connect pressure sensor connector of the PinPoint III Chassis Harness to PinPoint III pressure sensor and route with other harnesses back to Envelop Hub.

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Figure 5 — PinPoint III Chassis Harness Routing

12. *Figure 5:* From behind Envelop Hub, route PinPoint III Chassis Harness along product hose (1) and then back down center mass with other harnesses. Continue to route harness under frame (2) between boom mast and tank.

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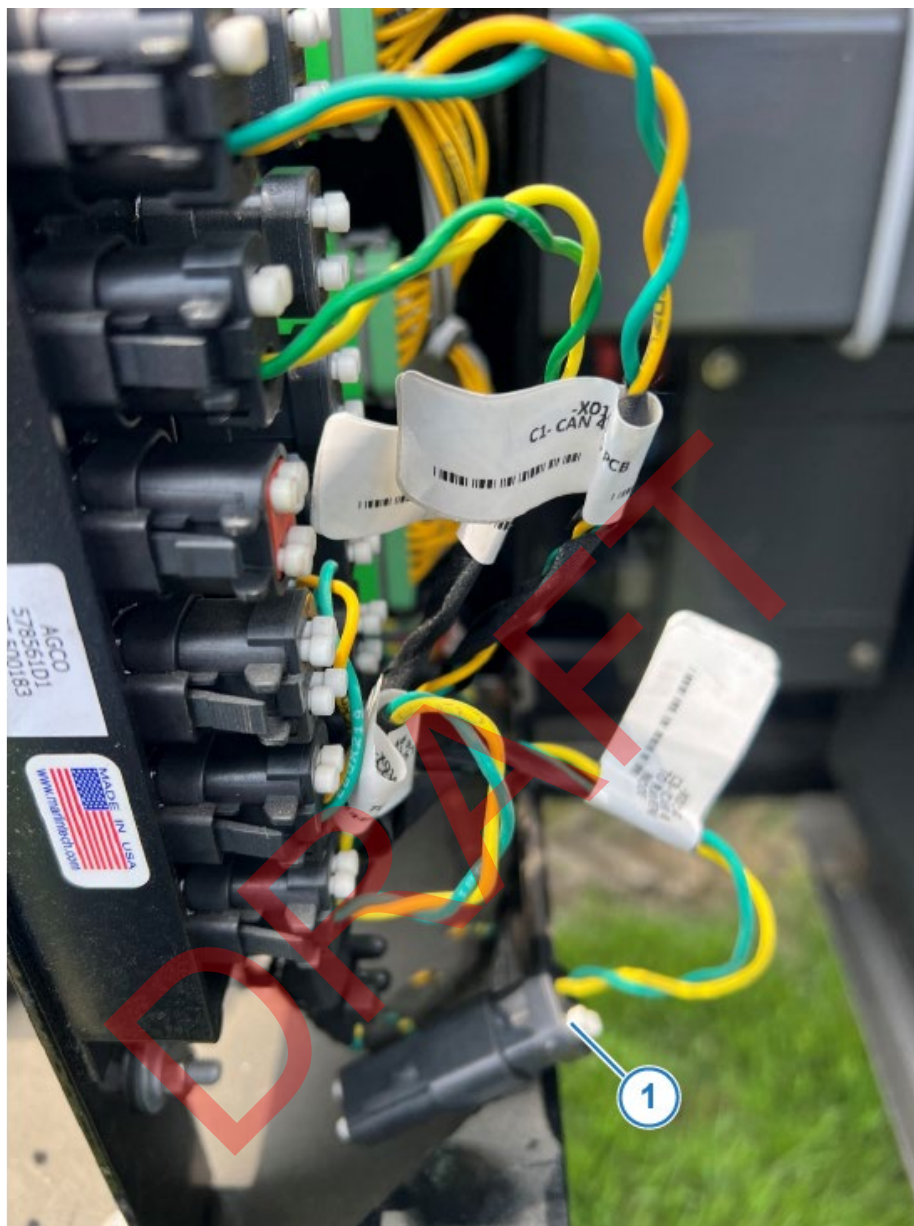
Figure 6 — PinPoint III Chassis Harness CAN Connection

13. *Figure 6:* Route the chassis harness upward following the product hose to the center rack power box and make the CAN connection.

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Figure 7 — 0775 Connection

14. *Figure 7:* Continue routing the X0775 harness forward to the machine E-Box on the right-hand side of the machine, following the existing harnessing.

15. Route the X0775 harness through the drain hole in the bottom of the E-Box.

16. Locate machine CNTRL SIGNAL X0775 connector.

17. Unplug the machine X0777 connection from machine X0775 connector and install a dust cap.

18. Plug the Chassis Harness X0775 connector into the machine X0775 connector.

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Figure 8 — Disconnect Raven RCM From CAN

19. *Figure 8:* Remove the Raven RCM from the CAN (located inside the E-Box) by disconnecting the C3 – CAN4 TO RAVEN NODE connector (1) and installing a dust plug

20. Use cable ties to secure chassis harness.

21. Make sure all connectors are installed and secured correctly at the Envelop Hub.

22. Install Envelop Hub cover with supplied hardware.