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PPIII Envelop Installation Instructions MY 2013–2017 Miller/New Holland

Table 1: Parts List

Part Number	Description	Qty
123000-013	MOUNTING PLATE, PPIII	1
118640-108	BRACKET MOUNTING UNIVERSAL PP SSRS	1
123100-069	2014-2017 MILLER CHASSIS HARNESS	1
123100-040	POWER HARNESS 40' PPIII	1
123000-150	ASSY, POWER HUB PPIII	1
116301-014	PRESSURE TRANSDUCER ASSY	1
708000-051	TAPE, TEFLON	1
716008-314	TEE, 1/4" FPT, SS	1
716008-315	FITTING 1/4 MPT X 1/4 MPT X 7/8 SS	1

Requirements

- Model Year 2013–2016 New Holland Sprayers
- Model Year 2017 New Holland 7310 Series Sprayer
- Model Years 2013–2016 OR ANY sprayers using a Raven Viper Task Controller or factory Intelliview display require Control Module CNH 21.51327 to be installed for PPIII to work properly.

IMPORTANT: Always disconnect machine battery or open main power breaker before working on machine electronic systems.

IMPORTANT: Always wear appropriate Personal Protective Equipment for work being performed.

Control Module Verification

Figure 1: CNH Control Module

1. Before installation on Model Year 2013–2016 Miller New Holland sprayers, verify that CNH Control Module P/N: 21.51327 has been installed under the arm rest in the machine cab (See Figure 2).

   Note: Module is required if machine is equipped with Intelliview or Viper Task Controller in the sprayer cab. If any other aftermarket system is installed (e.g. AgLeader, Trimble, etc.), module should already be installed.

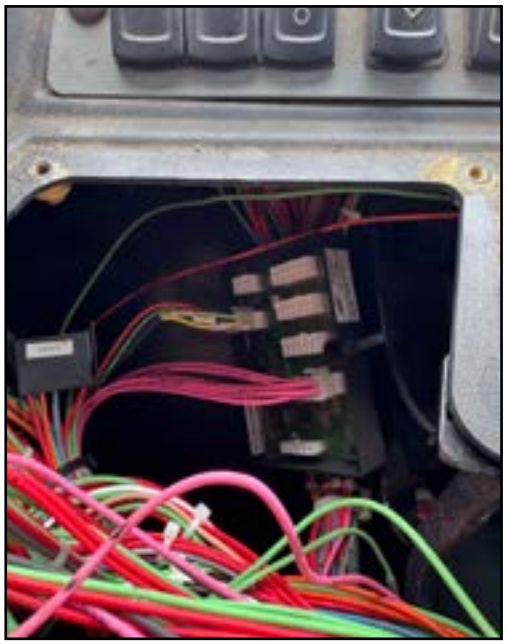

Figure 2: CNH Control Module Installed Under Arm Rest Panel

Envelop Hub Installation

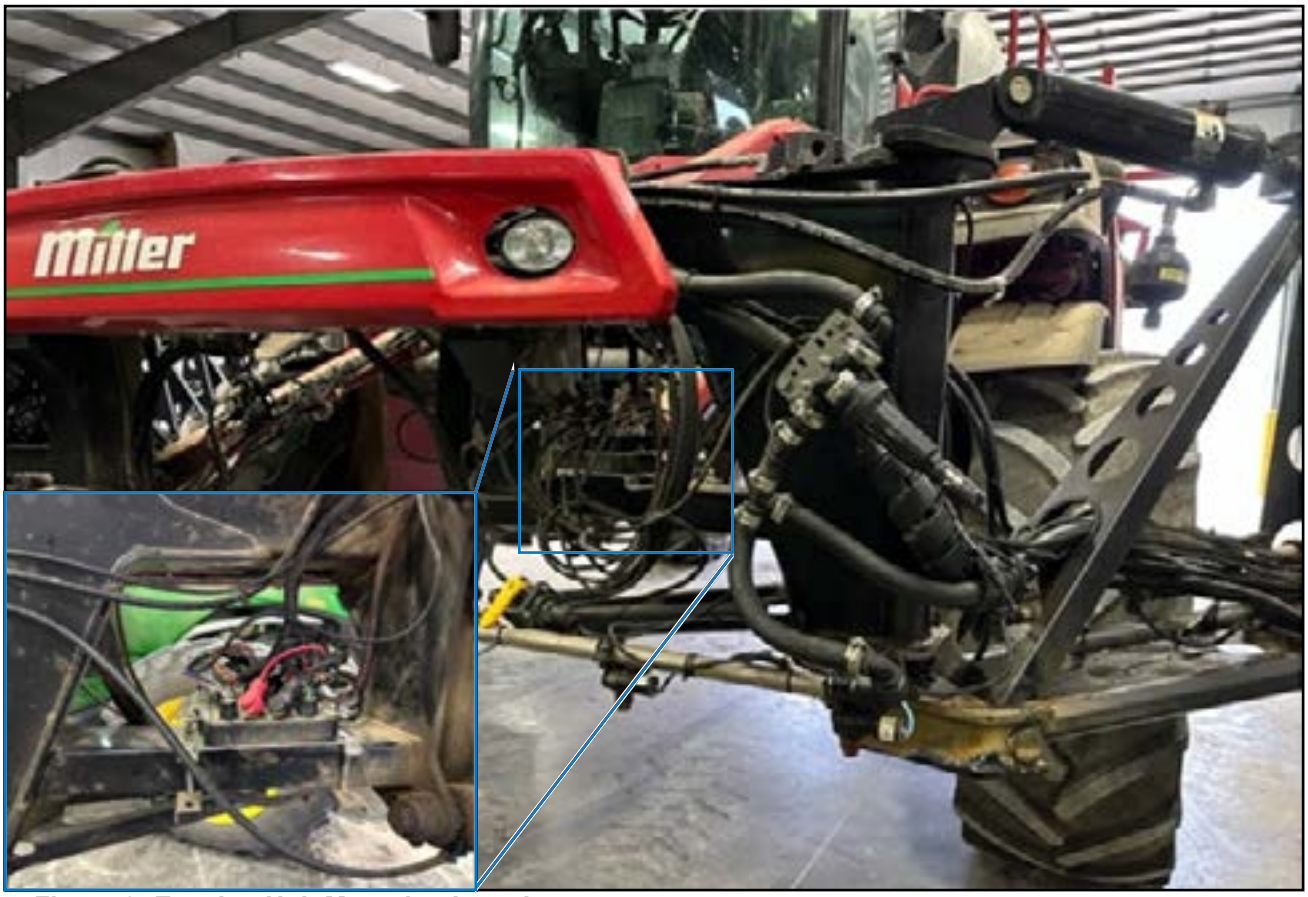

Figure 3: Envelop Hub Mounting Location

2. Locate the left front corner of the transom and mount the hub in the flat spot to the right of the pivot tube. Use the 123000-013 mounting bracket and hardware from the 118640-108 bracket mounting.

Figure 4: Alternate Envelop Hub Mounting Location

Power Harness Installation

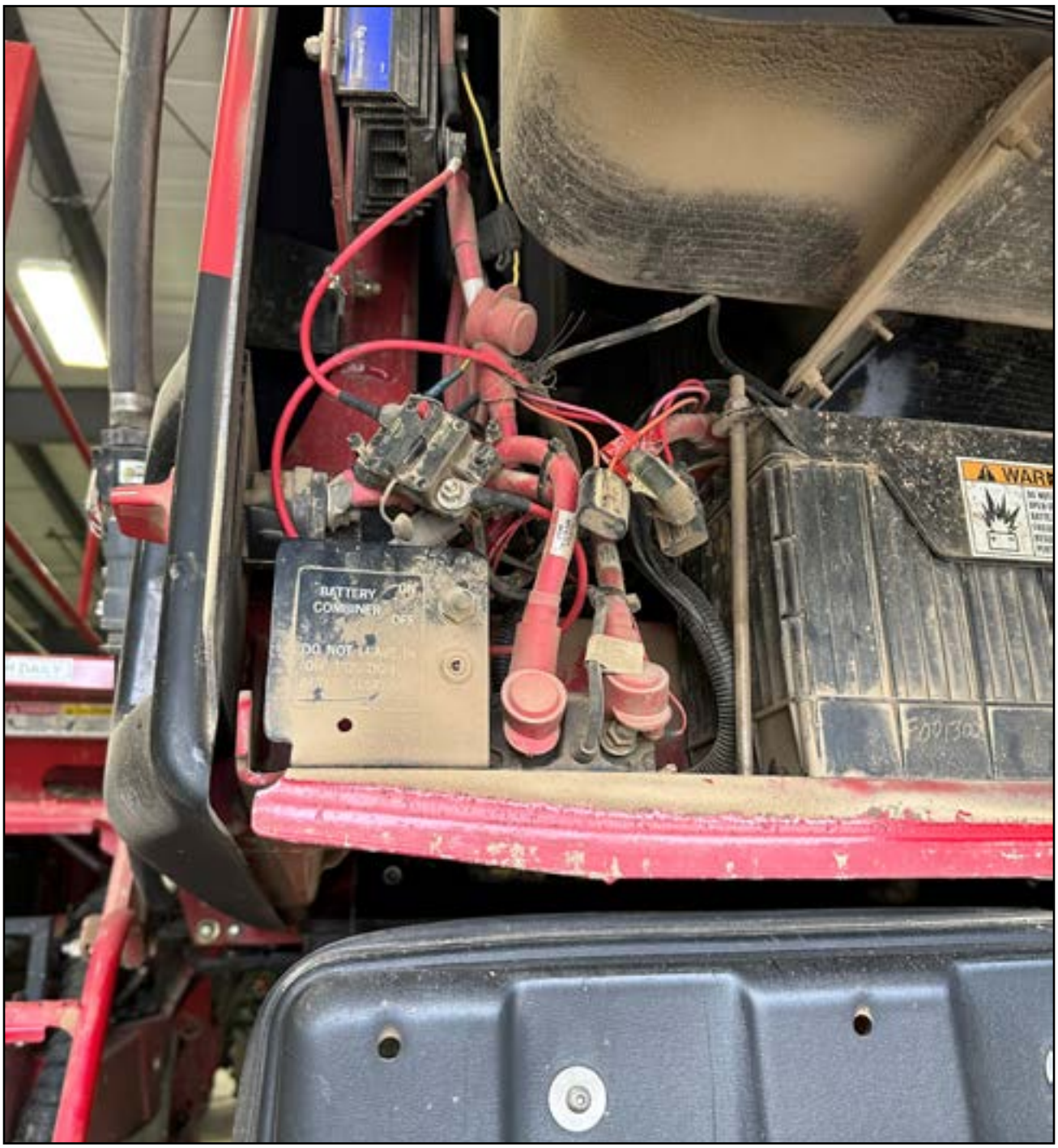

Figure 5: Power Harness

3. Locate the batteries in the back of the machine.
4. Route the power wire from the battery location to the hub.

   It is suggested to follow the left frame rail up and run the power cable along the bottom lift arm to the Gateway Hub.

Chassis Harness Installation

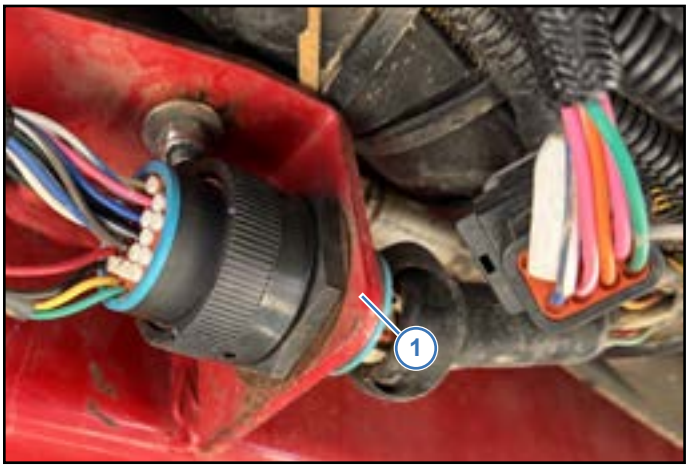

Figure 6: ISO Chassis Harness Connection

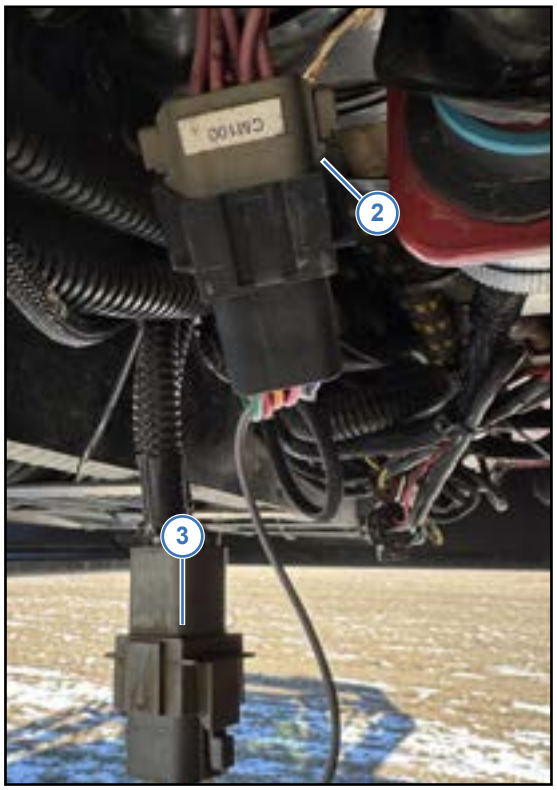

Figure 7: CM100 Chassis Harness Connection

5. Locate the connections under the cab on the right side above the front fill hinge point.
6. Connect the chassis harness into the round connection labeled ISO (Figure 6, Item 1), CM100 (Figure 7, Item 2) and the 8-Pin Connector labeled Auto Steer (Figure 7, Item 3).

Figure 8: Chassis Harness Routing Example

7. Continue routing the chassis harness and power harness along the underside left frame rail.

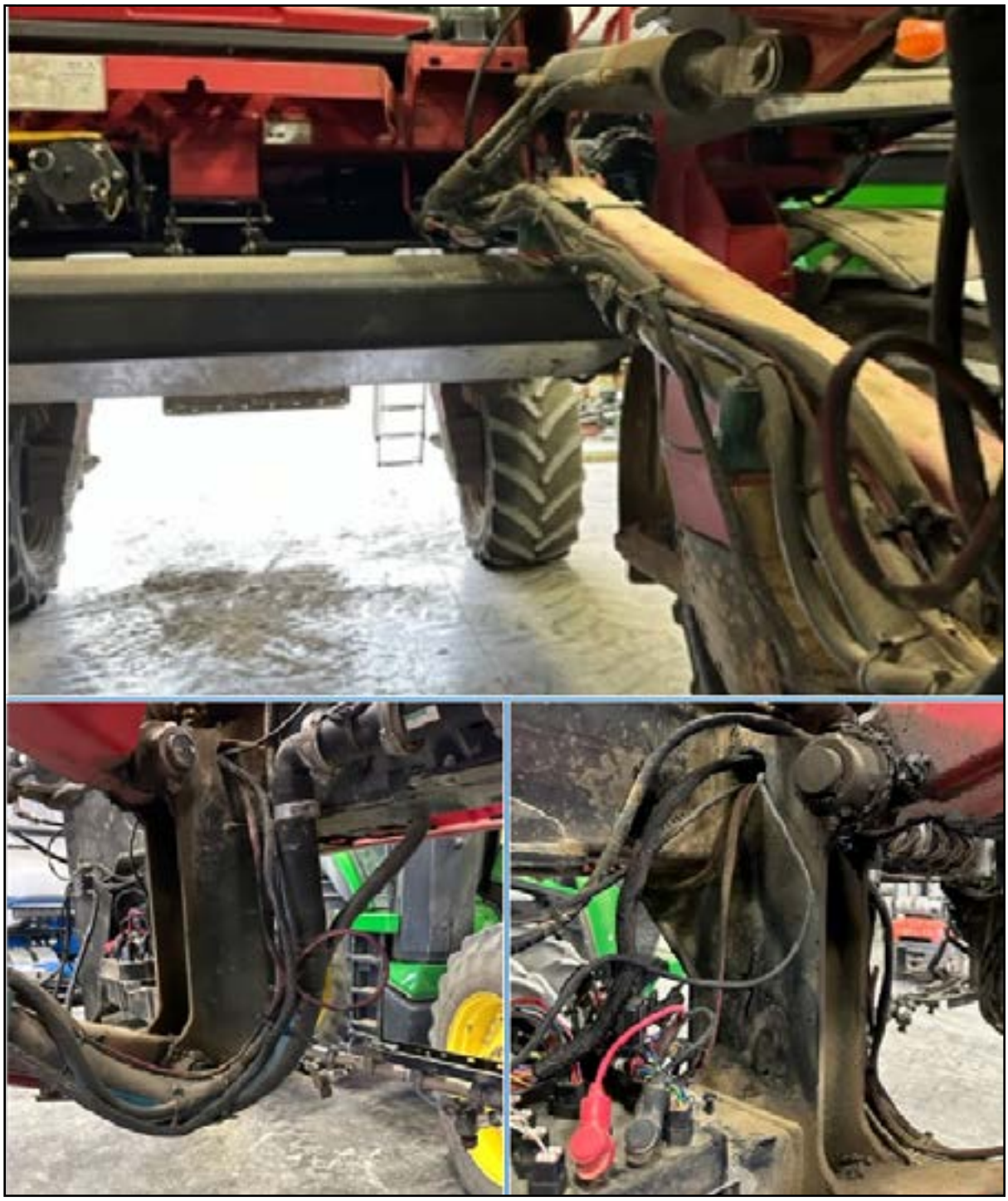

Figure 9: Harness Routing

8. Route chassis harness with the power harness along the left lower lift arm and through the hole in the transom to the hub.

Pressure Sensor Installation

Figure 10: Pressure Sensor

9. Using supplied hardware and teflon tape, add the tee (Figure 10, Item 1) and 1/4" pipe nipple (Figure 10, Item 2) to install the pressure sensor (Figure 10, Item 3) into the line going to the manual gauge.
10. Route the harness from the sensor to the connection on the hub.

Envelop Hub Connections

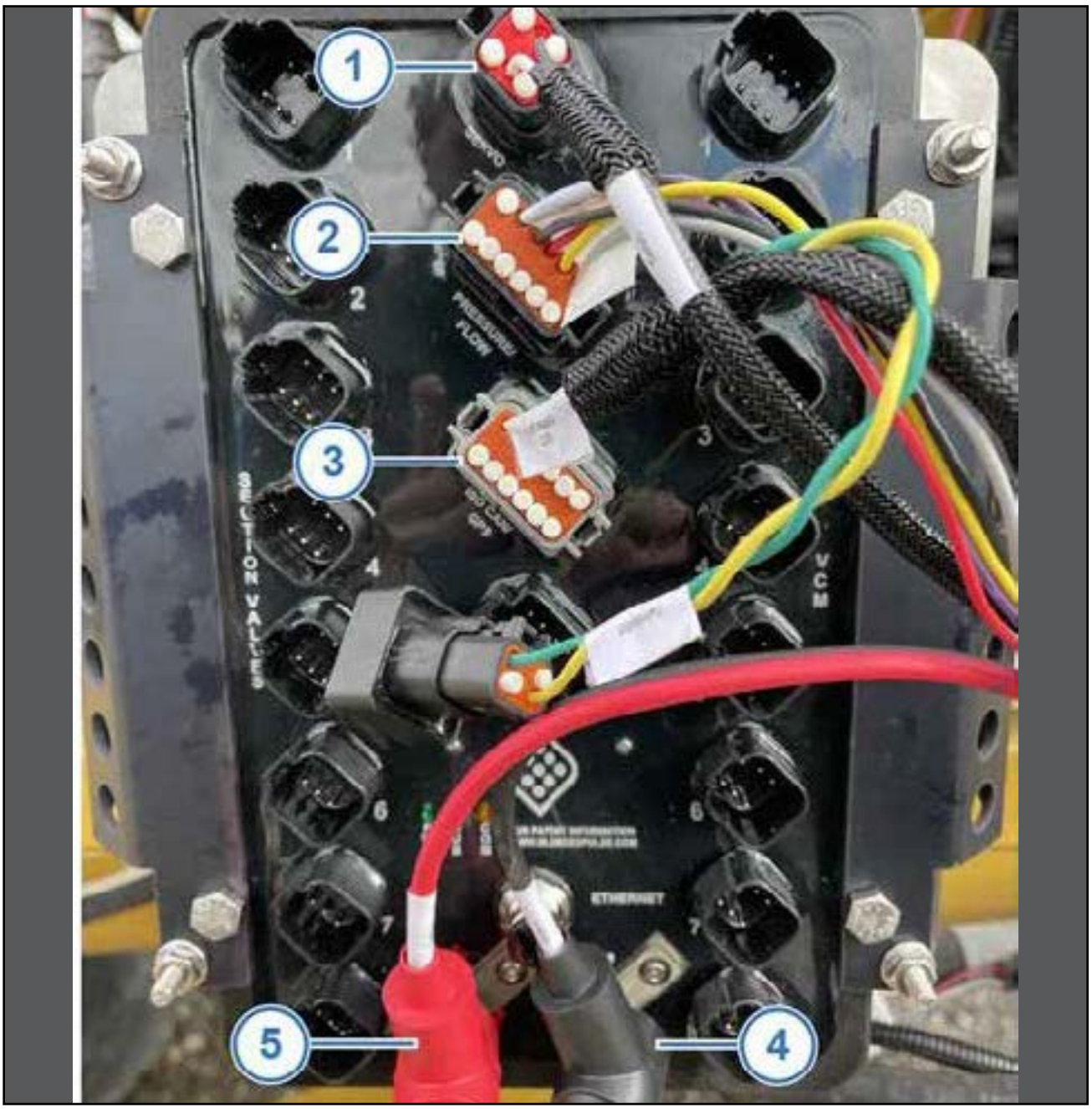

Figure 11: Chassis Harness Connections

11. 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