

FM100 Float Module

CLAAS REEL HEIGHT RESISTOR KIT (MD #295710)

INSTALLATION INSTRUCTIONS

When you install a CLAAS-configured MacDon FM100 Float Module in a D65 Draper Header or an FD75 FlexDraper[®] Header, the combine will display error messages indicating low sensor voltage on the reel height sensor. This is because there is no reel height sensor on D65 and FD75 headers.

Installing the CLAAS Reel Height Resistor kit (MD #295710) eliminates these error messages. The kit includes a voltage regulator that provides a constant 1.4V signal to the combine, convincing it that the reel height sensor is present and always in a single position.

This document explains how to install the kit. A list of parts included in the kit is provided.

NOTE: Keep your MacDon publications up-to-date. The most current version of this instruction can be downloaded from our Dealer-only site (<https://portal.macdon.com>) (login required).

NOTE: This document is available in English only.

Installation Time

Installation time for this kit is approximately 20 minutes.

Conventions

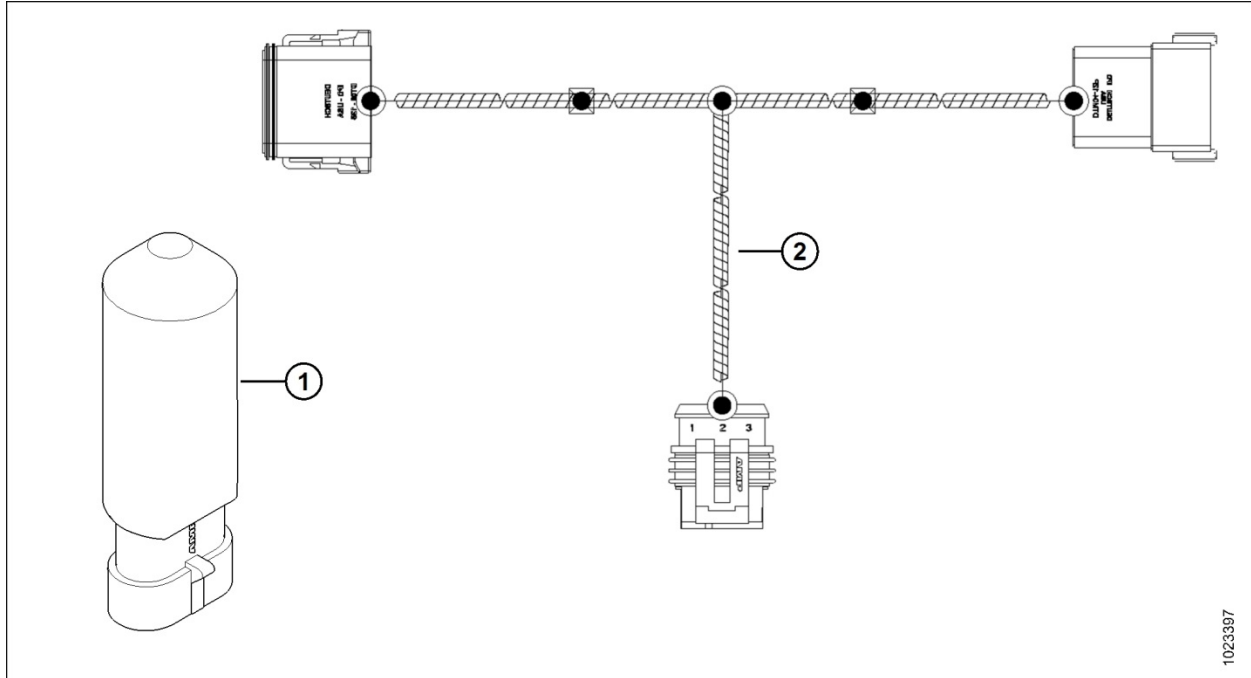
The following conventions are used in this document:

- Right and left are determined from the operator's position. The front of the float module and header is the side that faces the crop; the back is the side that connects to the combine.
- Unless otherwise noted, use the standard torque values provided in the header operator's manual and technical manual.

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Parts List

This kit includes the following parts:



Ref	Part Number	Description	Quantity
1	133683	REGULATOR – VOLTAGE	1
2	301104	HARNESS – CLAAS REEL HEIGHT VOLTAGE REGULATOR	1

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To install the CLAAS Reel Height Resistor kit, follow these steps:



CAUTION

To avoid bodily injury or death from unexpected startup of machine, always stop engine and remove key from ignition before leaving operator's seat for any reason.

1. Lower header to the ground.
2. Turn off the combine engine and remove the key.
3. Remove the parts from the kit.
4. Connect the voltage regulator (A) (MD #133683) to plug P542 on the CLAAS reel height voltage regulator harness (MD #301104).

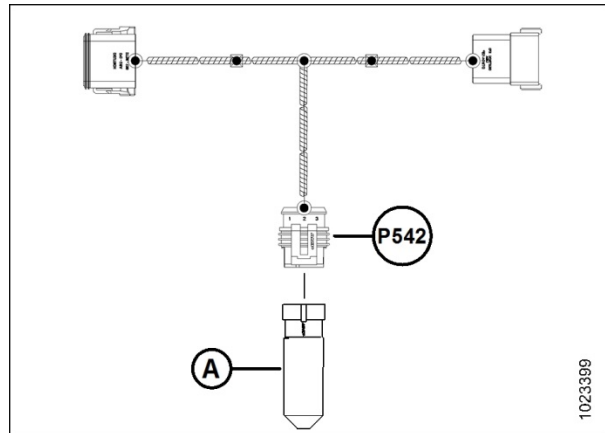


Figure 1: New Harness and Voltage Regulator

5. On rear side of float module, pull bottom of hydraulic compartment cover (A) up to open.

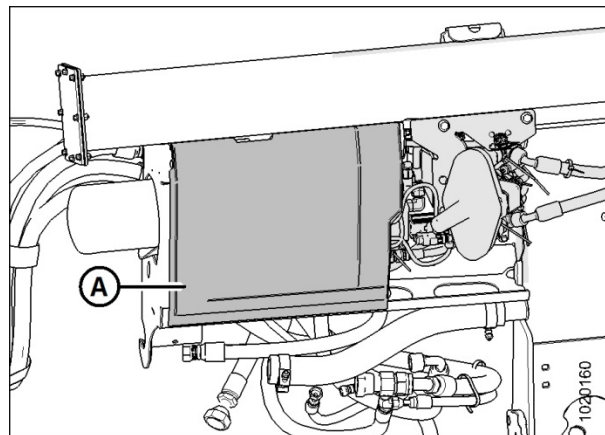


Figure 2: Hydraulic Compartment Cover

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6. At the top of the hydraulic compartment, behind the coupler support, disconnect CLAAS completion harness (A) from FM100 main harness (B).

NOTE: Coupler support has been removed from the illustration for clarity.

7. Plug connector C1AA on the new CLAAS reel height voltage regulator harness into connector C1A on FM100 main harness (B).
8. Plug connector C1BB on the new CLAAS reel height voltage regulator harness into connector C1B on CLAAS completion harness (A).

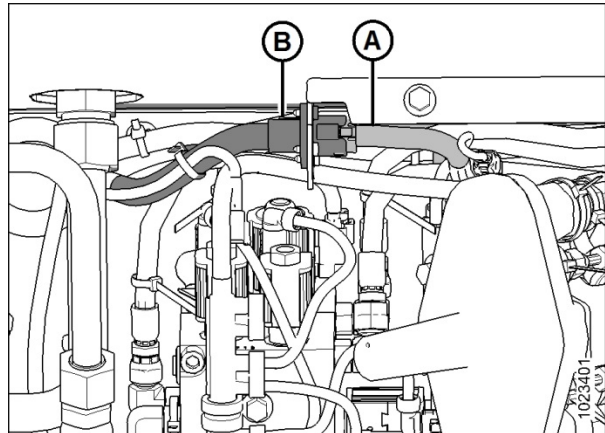


Figure 3: Electrical Connections inside Hydraulic Compartment

9. Close hydraulic compartment cover (A).

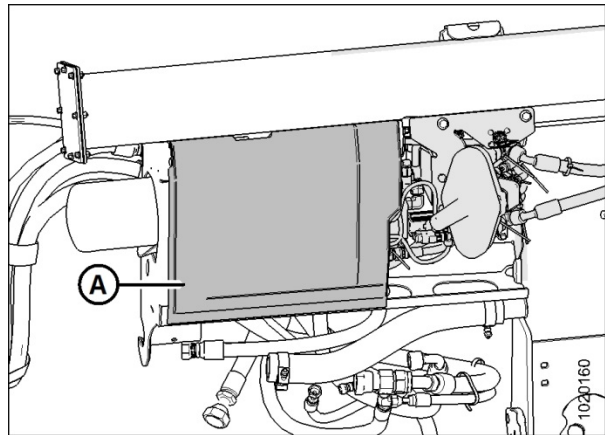


Figure 4: Hydraulic Compartment Cover