

729182 PDM Harness Tech Bulletin

Description of problem: Lift Manifold connectors on the 729182 PDM Harness do not have enough flexibility after the branch to allow for easy installation of the connectors to the pressure sensor and lift valve solenoid.

Affected Harnesses: Any 729182 harness that was shipped between Oct 15, 2019 and Feb. 7, 2020 could be affected (see notes on identifying affected harnesses below). This includes harnesses shipped as part of the 729180 Power Distribution Module or the 729210 SRM Base Kit.

Cause: Harness manufacturer used adhesive lined heat shrink on the back side of the lift valve and pressure sensor connectors that may not allow the flexibility required for the harness to reach both connectors without imparting a side load on the connectors.

Results: Side load can cause damage to connectors (see photos below).



How to identify if you have an affected harness:

The 729182 PDM harness is located inside the PDM. The branch that goes to the lift manifold comes out from the bottom of the PDM and has a 2-pin and 4-pin connector.

Find the **Date Code Label** located on end of the harness which has the 12-pin connector, if installed in the PDM it is the end plugged into the SRM inside the PDM. Verify if the date code falls within the following dates:

Start Date Code	End Date Code
9/20/19 1Y	10/15/19 1Y



Location of Date Code Label

729182 PDM Harness Tech Bulletin

Affected harnesses can also be identified visually using the following criteria:

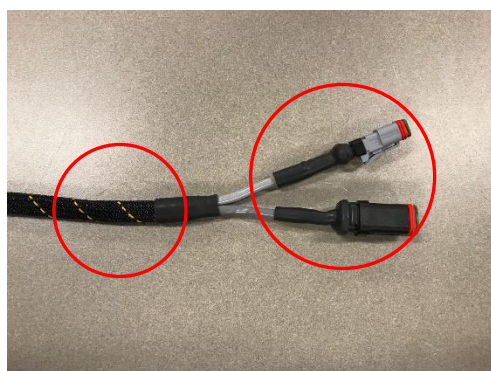
The problematic harnesses have **ALL** of the following:

- Single yellow strand in the braided looming of the harness
- Heat shrink at the back of the connector with adhesive visible at the end of the heat shrink.

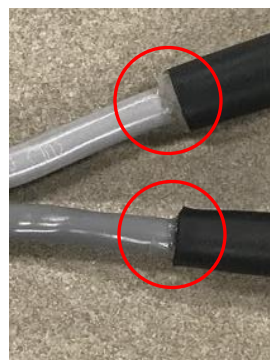
Good harnesses include:

- Any harness with 2 green strands in the braided looming of the harness
- Any harness with Single yellow strand in the braided looming and no heat shrink outside of the date range on page 1.

Problematic Harness:



Yellow strand in braided looming with heat shrink installed at back of connector.

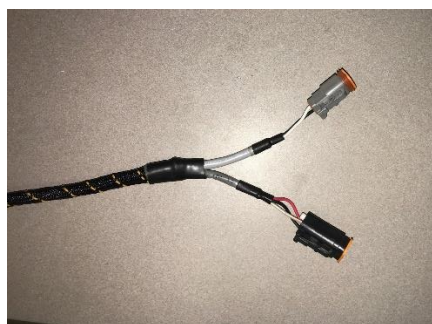


Adhesive visible under heat shrink

Good Harnesses:



No yellow strand in braided looming, heat shrink is present but with no adhesive, making it pliable.



Yellow strand is present in braided looming but no heat shrink on connectors.

729182 PDM Harness Tech Bulletin

Resolution:

Precision Planting will be sending **729699 Solenoid Extension** to any dealer that was shipped the 729182, 729180, or 729210 between the affected dates. 729699 is a 12" extension for the 2 pin connector that connects to the Lift Valve Solenoid. This will allow more length between the 2 connectors and alleviates any strain on the connectors.

Installation of Extension Harness:

1. Remove cap from 2-pin connector on 729182 Harness:



2. Connect the 12" extension to the 2-pin connector, proceed with Delta Force installation if applicable, if not installing Delta Force, replace cap at end of the 12" extension for future use:



Harness installed with 12" extension:

