LAYMOR

SERVICE BULLETIN

SM300 Tail Light Installation
LAY-TSB-15-001

Date: February 26, 2015 **Model:** SM300

Product Issue:
Laymor has determined that there is an issue with the tail / turn signal lights on the 3 wheel sweepers. The tail light turn signal was wired backwards causing the turn signals to be unseen when the tail lights are on.

Units affected:
Potential SM300 units affected:

VIN 34900-35685

Parts kit:
Sealed butt/solder splices or mating blade/bullet connectors needed for repair option 2

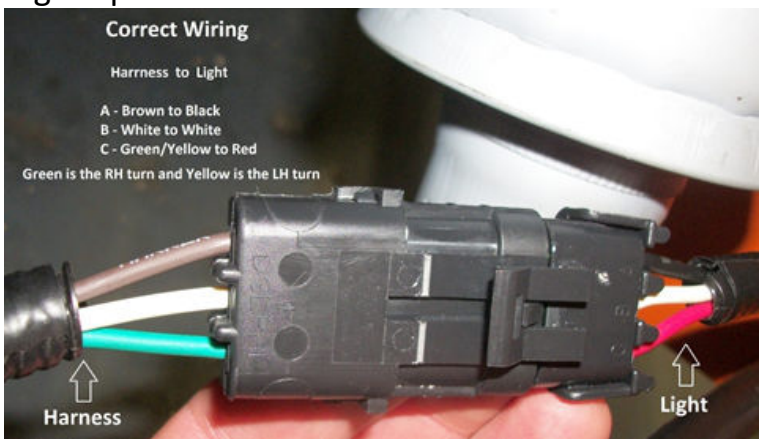
Overview:
Units involved in this are to follow the standard Laymor warranty procedure. Replacement parts will be shipped to the location for installation. See Illustrations below for an overview of the scope of the repair.

Tools needed:
Repair option 1: Delphi Packard Weatherpack Terminal Release Tool
Repair option 2: Wire cutters/strippers, Crimping pliers

Approved SRT:
The Laymor approved standard repair time for this service bulletin is .5 hours.

Instructions:

Pull unit into approved level work area. Turn the engine off and place it in park.

1. Find and disconnect tail light interconnects near tail light.
2. You will see that on the mail connector, attached to the tail light, the following wire colors in each connector 'position'
    a. Red
    b. White
    c. Black
3. The objective is to swap the wire/signals from position A to positon C and the wire/signals from pin C to pin A
4. This can be done in one of two ways detailed below
5. The end goal is to have the connector positions populated, with the wire/signals coming from the tail light, in the following order
    a. Black
    b. White
    c. Red
6. This image represents the ideal end result of rework using repair option 1
    a. 

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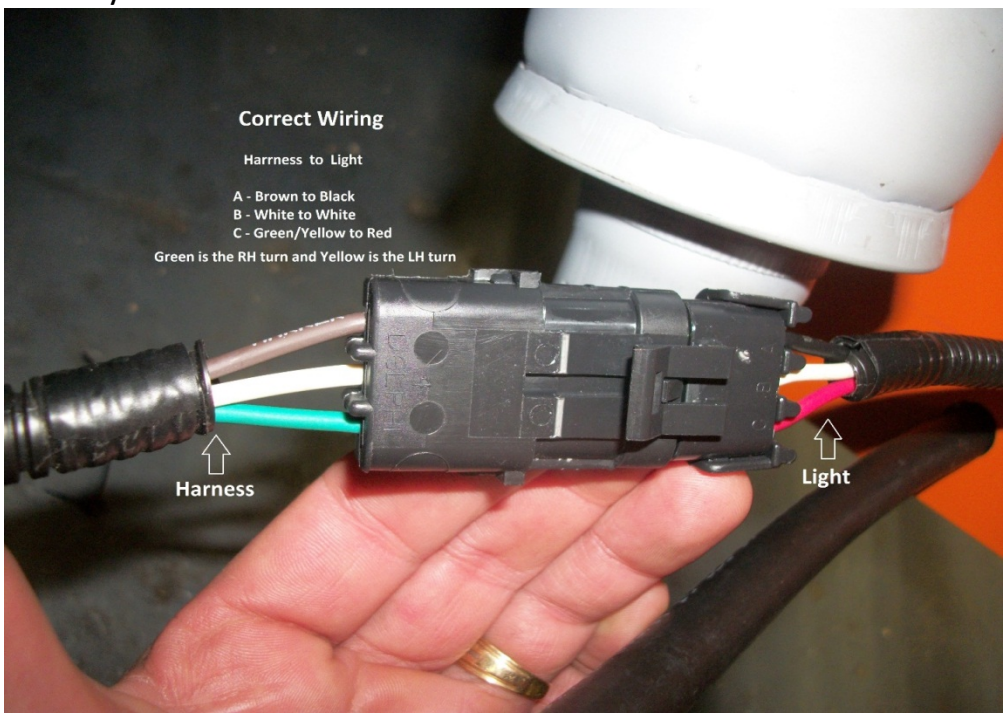
Repair Option 1

1. Using the Delphi Packard Weatherpack Terminal Release Tool release the pins in in position A and C of the connector
    a. Connector pictured below is for pin extraction reference only and is not the example of the connector you will see on the unit
    b. 

2. Reinstall the pins switching their position so that the terminal and wire that was in position C is now in position A, and vice versa.
3. Reconnect the mating connectors and secure to frame where possible
    a. Below you can see the end result of the rework.



Repair Option 2

1. Using wire cutters cut the red and black wires leading to the connector on the tail light assembly
    a. Be sure to leave enough room to make a splice
2. Using the method of your choosing splice the red wire coming from the connector to the black wire coming from the harness and splice the black wire coming from the connector to the red wire coming from the harness
    a. Some possible splicing methods
        i. Sealed butt splices
        ii. Sealed solder splices
        iii. mating blade connectors
        iv. mating bullet connectors
3. Heat shrink or tape the splice points to ensure protection against elements.
4. Reconnect the mating connectors and secure to frame where possible

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REVISION HISTORY

REVISION	DATE	DESCRIPTION OF CHANGE
0	02-26-15	NEW PROCEDURE

APPROVALS :		**DATE:**
AUTHOR	Danals Dunavan	02-26-15
Electrical Engineer	Nicholas Beardsley	02-26-15
Director of Engineering	Jim Keough	02-26-15
Director of Quality	Barbara McCullough	02-26-15