

SS 1033222 TBB Stop arm flashes when Headlamps/ Defrost fan on low

This Service Solution does not imply any special warranty coverage. Standard warranty guidelines and coverage apply. This Service Solution is provided to assist Dealers/Customers in resolving the issue of stop arm lights flashes if the headlights are on and the small 6 inch defrost fan on low.

Applicable Vehicles

C2 2017

Symptoms

Stop arm lights flashes if the headlights are on and the small 6 inch defrost fan on low

Issue

The New Stop arm does not take as much amp load to operate

Solution:

Adding a resistor to the Stop arm circuit, attach procedure

Service Solution

Work Instructions

Subject: Adding resistors to remove possibility of Stop sign energizing

Models Affected: Specific Thomas Built Buses Saf-T-Liner C2

Subject: Adding Resistors

Stop arm may move either open or close without activation. This instruction will add resistance to the circuit to eliminate the issue.

Repair Procedure:

- 1) Chock wheels, set parking brake, make sure shifter is in Park or Neutral, and the ignition switch is off. Put Keys in pocket.
- 2) Remove panel above second row of passenger seats.
- 3) Locate splice pack J478 (Stop Arm SPL) on main harness and make accessible. **Figure 1**



Figure 1: Locate J478 and make accessible

- 4) Locate tan wire 489A in position A and cut about 10 inches back from splice pack.
- 5) Create a "Y" using sealing butt connectors and two resistors. **Figure 2**

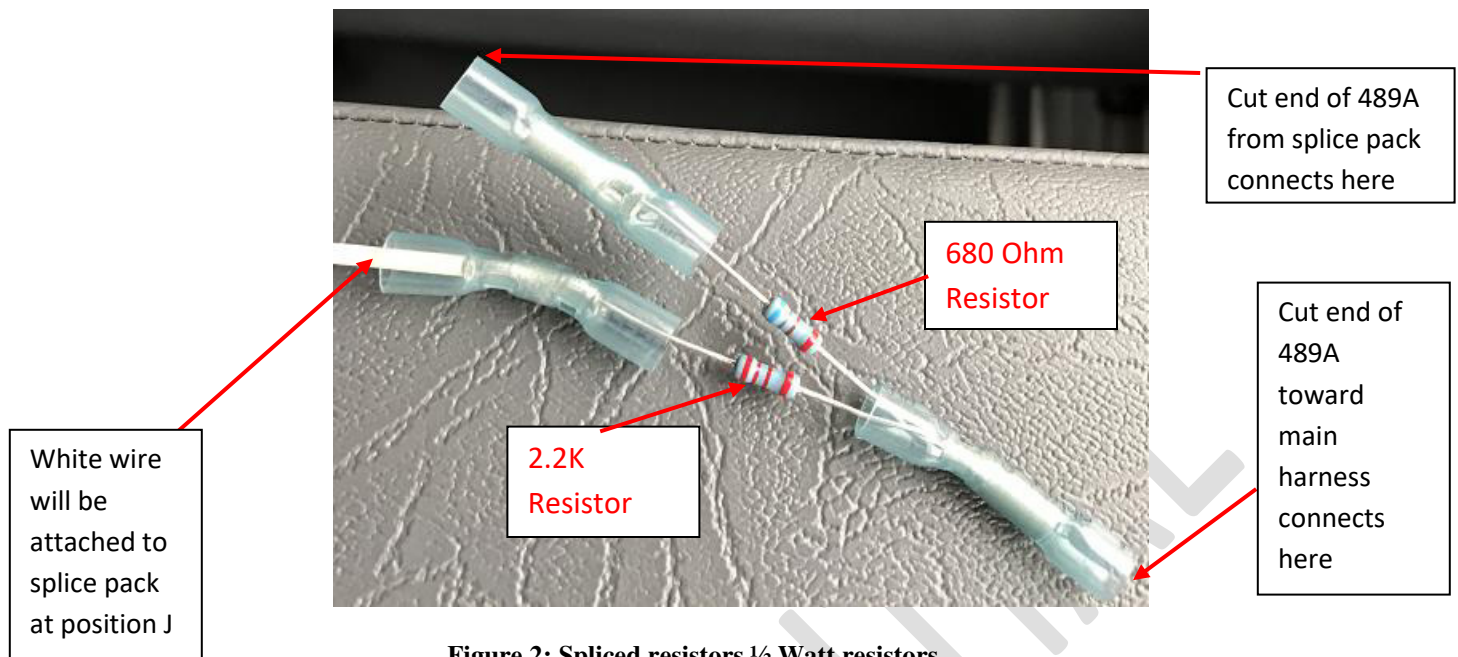


Figure 2: Spliced resistors $\frac{1}{2}$ Watt resistors

- 6) Slide pieces of heat shrink up on each leg of jumper to be sealed after wires are connected.
- 7) Connect wire 489A ends (Which was cut earlier) on each side of the 680 ohm resistor as show in **Figure 2**
- 8) Add a white wire from the remaining butt spice (coming off the 2.2K resistor) that will reach the splice pack. **Figure 2**
- 9) Seal each butt connector and then seal the heat shrink.
- 10) White wire is to attach to splice pack in position "J" with appropriate terminal and seals.
- 11) Verify operation of stop arm(s).
- 12) Tie splice pack to main harness with tape and wire ties.
- 13) Reinstall cover.