



## SERVICE LETTER

Service Letter Number	Simplex Model	Issue Date	Revision	Revision Date
SL2010-006	R44III (244)	June 25, 2010	I/R	June 25, 2010

**Approved By:**  
Tim Pyle  
Sustaining Engineering and QA Manager**Subject:** Spray system engine wiring harness modification**Applicability:** This service letter is applicable to Simplex Manufacturing Model R44III spray systems serial numbers 244/0001 thru 244/0007.**Summary:** During test operations it was discovered that the spray system wiring harness was incorrect and when installed on the aircraft the engine would not run because the engine stop switch was mistakenly grounded to aircraft ground. This **does not** create a safety of flight issue but did cause a functionality issue.**Purpose:** This service letter provides instruction to make a wiring modification to the spray system wiring harness to allow for proper operation of the spray system engine.**Compliance:** Required for proper spray system engine operation**Weight and Balance:**

No effect.

**Electrical Loads:**

No effect.

**Equipment:**

1. Soldering iron
2. Side cutting style pliers

**Consumables:**

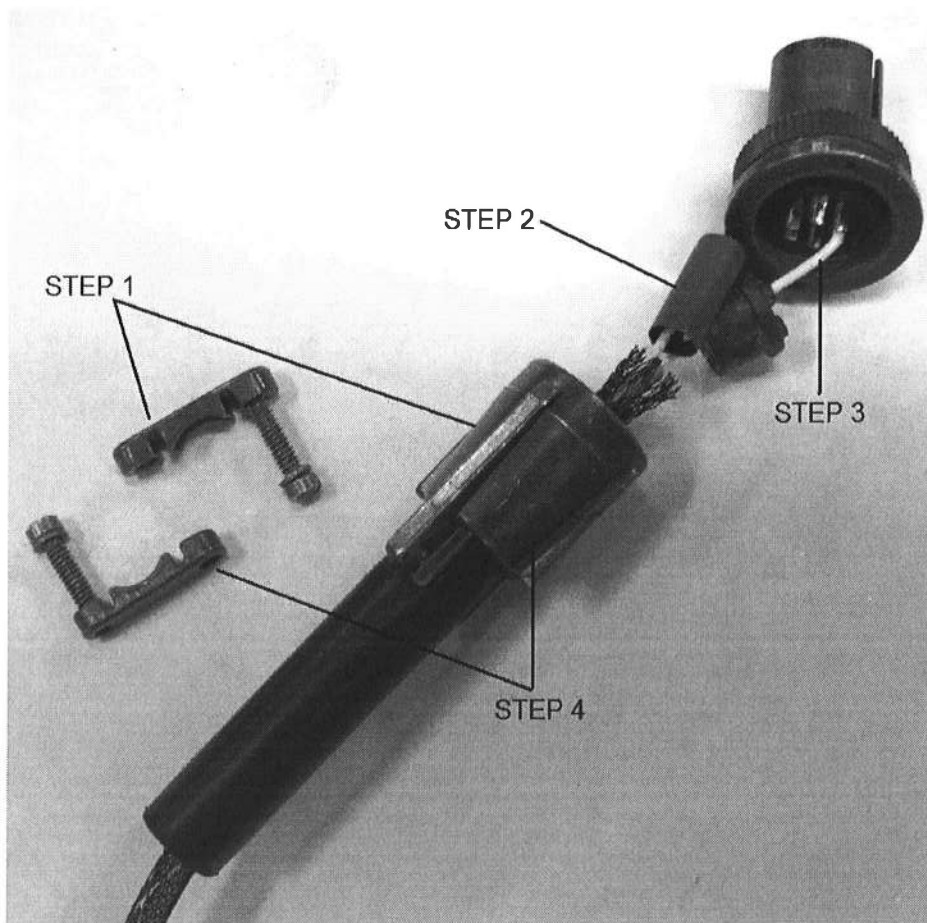
1. Solder
2. Heat shrink tubing





**Procedure:**

1. Remove back shell clamps and slide back shell and strain relief away from connector (Figure 1)
2. Terminate wire number SS105C20. Cover terminated wire using heat shrink tubing (Figure 1)
3. Un-solder wire number SS119B20 from connection terminal 'B' and re-solder into terminal 'A' (Figure 1). Reference Figure 2 for wiring schematic pre and post modification.
4. Re-connect back shell and clamps(Figure 1)
5. Modification is complete.



**Figure 1**



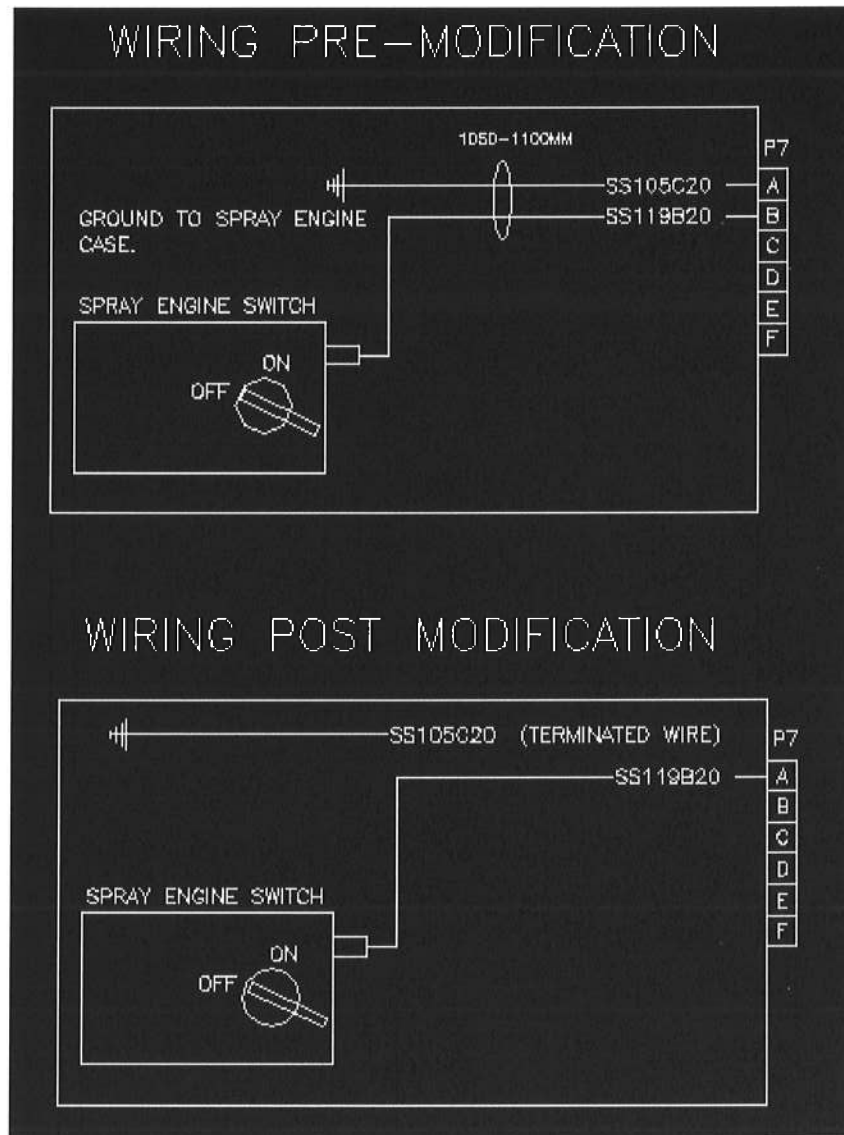


Figure 2

