D4T EIS Modification for SKSNGNG204D4T, SKSNG166D4T, SKSNG447D4T

Instructions for modification of non-Keyless Go DAS4 EIS (electronic ignition cylinder) for the following SKUs SKSNG166D4T, SKSNG204D4T, SKSNG447D4T

Written By: Eric Masek

INTRODUCTION

Use this guide for the EIS jumper modification for the following SKUs:

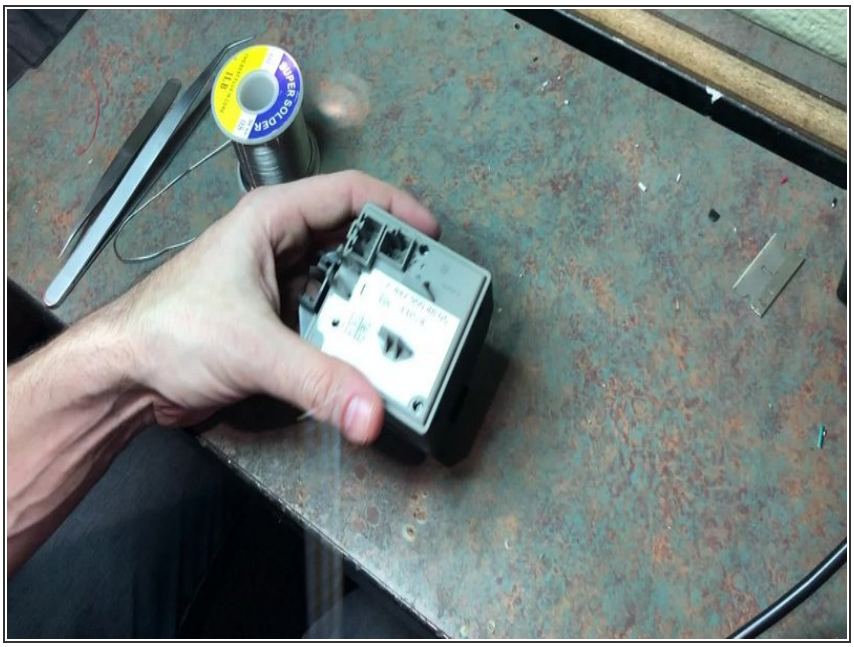
-SKSNG166D4T

-SKSNG204D4T

-SKSNG447D4T

This modification is required for the above SKUs. Professional installation is and substantial board-level soldering experience is required. If needed, Mid City Engineering or a distributor will perform the modification. Please contact Mid City Engineering at 312-421-1114 for more information.

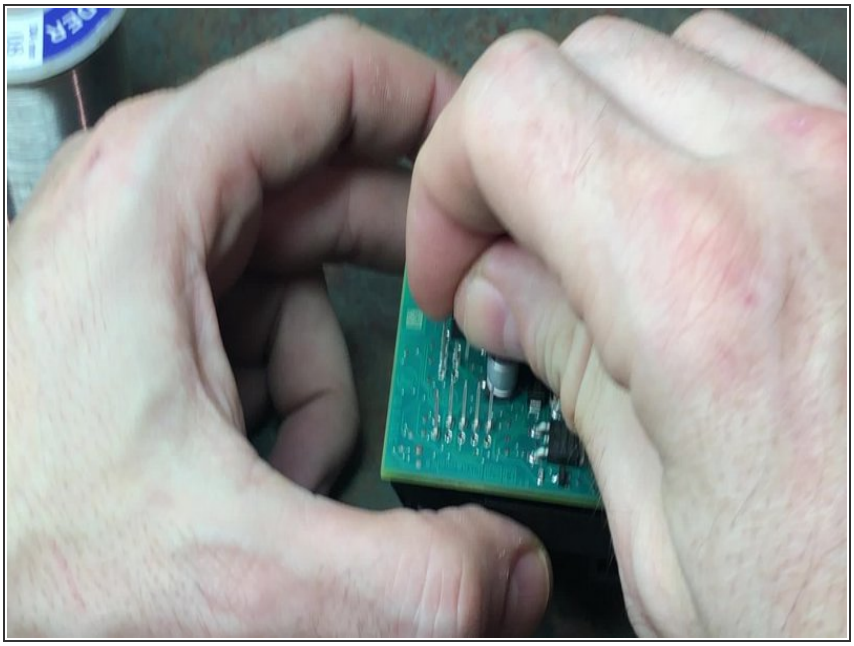
Step 1 — Open EIS



- Remove 2 screws on back of EIS housing
- Carefully open EIS housing

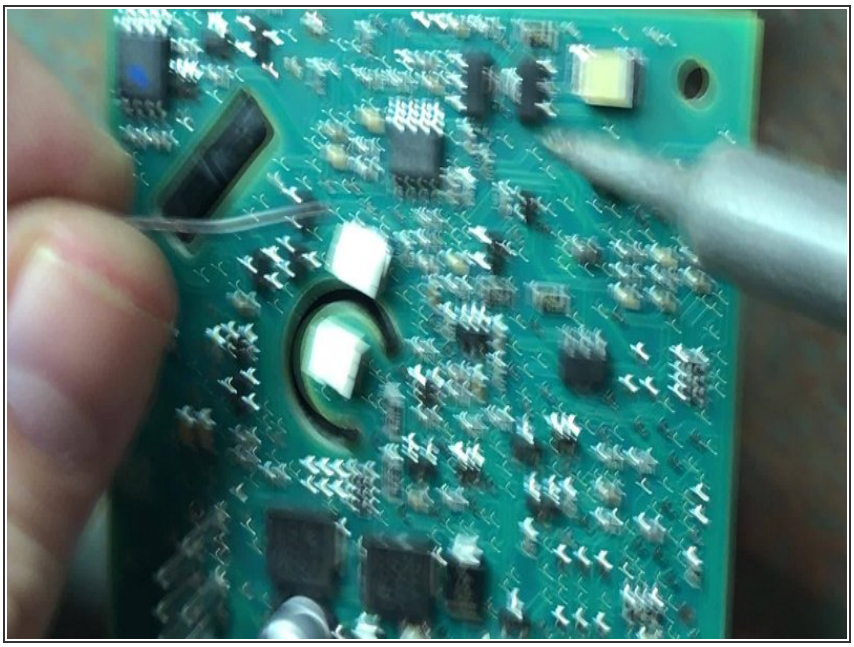
⚠ Before beginning this modification, be sure that you are using a temp. controlled soldering iron and have substantial board-level soldering. This procedure deals with sensitive components.

Step 2 — Add pin to EIS board



- Add pin

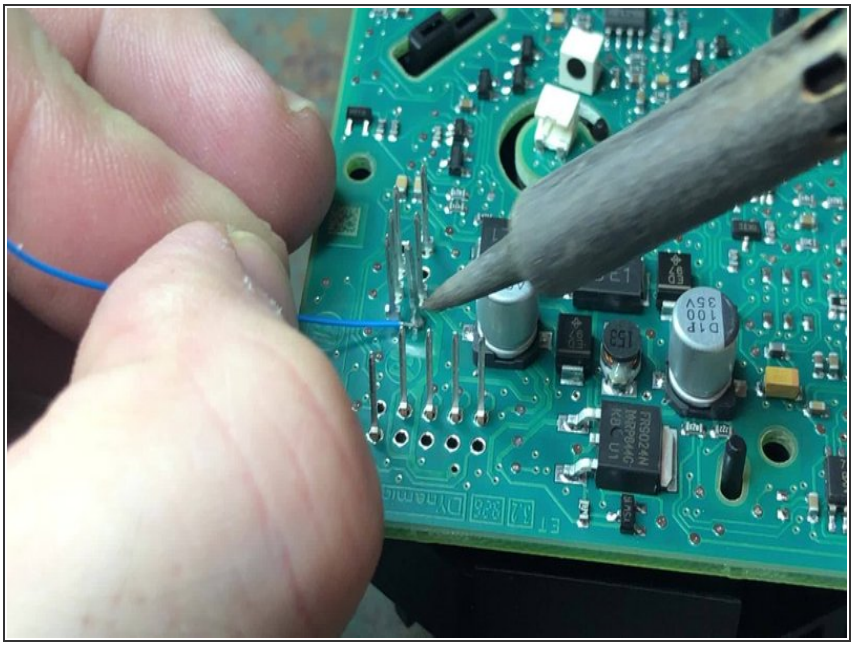
Step 3 — Add solder to board



- Add solder to contact near optical sensor

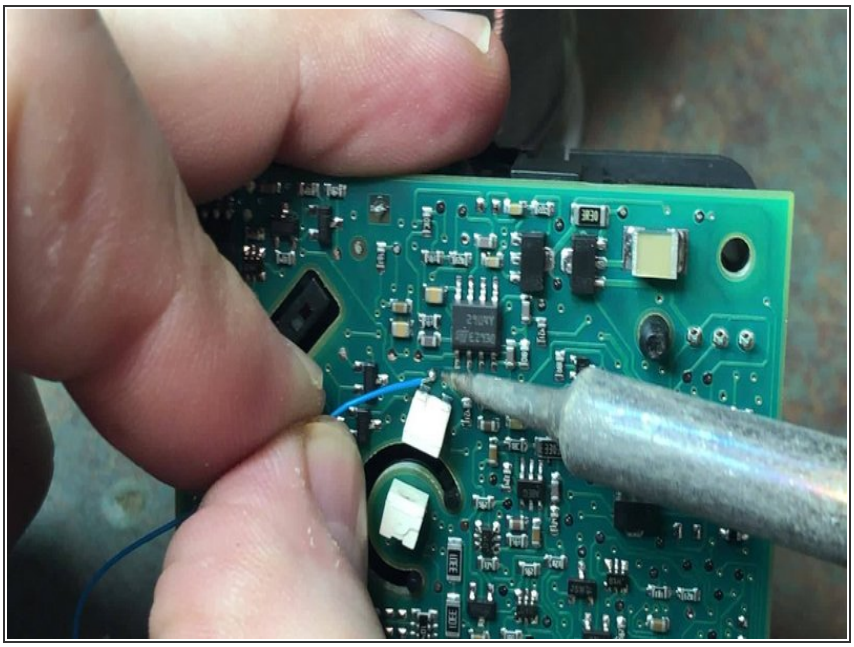
⚠ Do not overheat. Damage to optical sensor and other components is risked.

Step 4 — Connect wire to pin



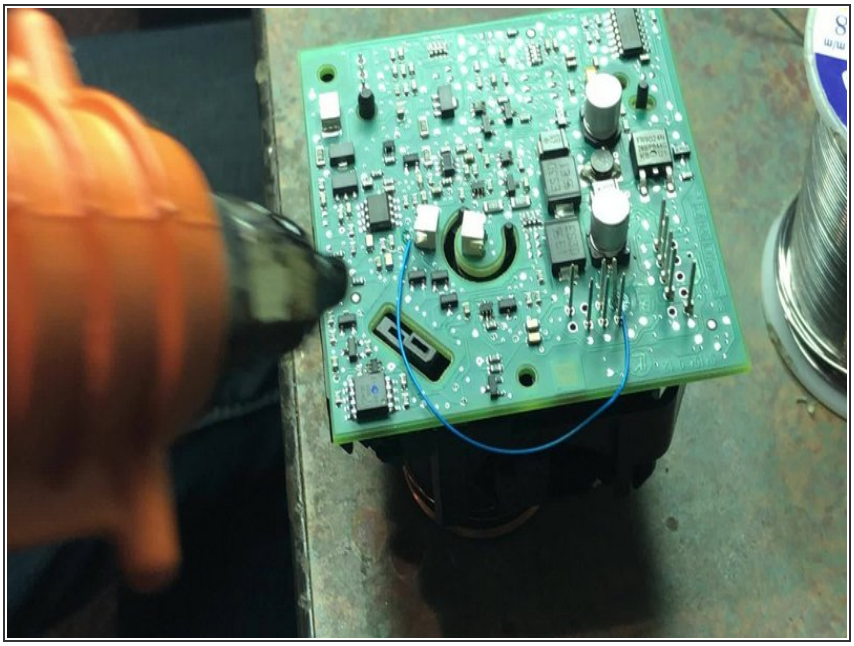
- Attach wire to pin that was inserted in last step

Step 5 — Connect wire to contact



- Solder other end of wire to contact where solder was added near optical sensor in step 3

Step 6 — Secure wire

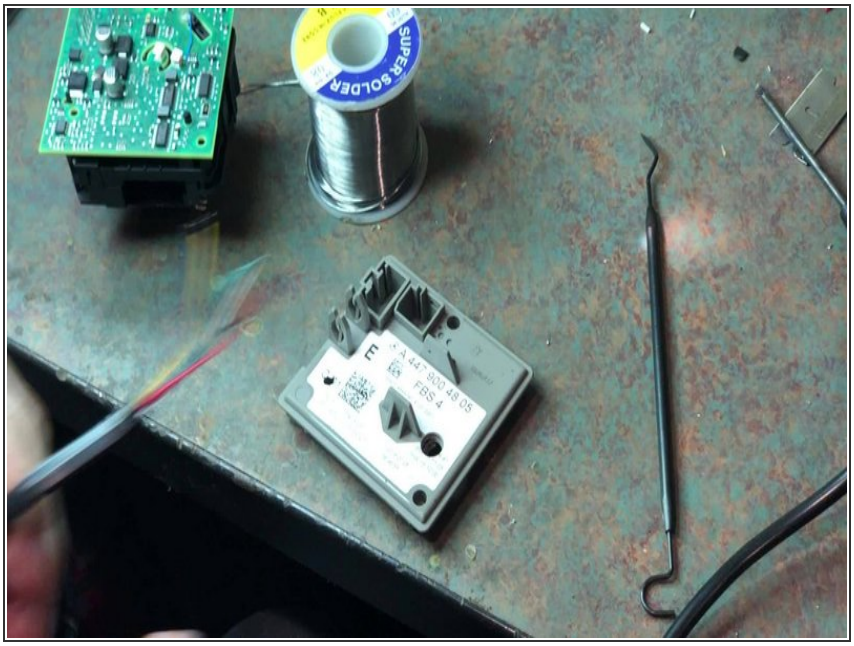


- Use hot glue to secure wire in place

Step 7 — Add hole in rear of EIS

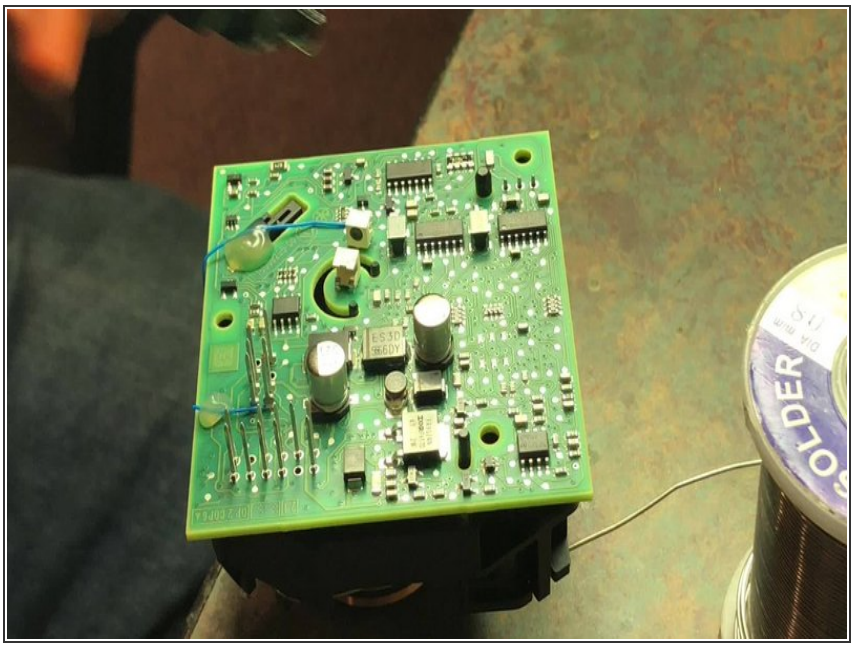
- Drill hole in rear cover of EIS to route cable

Step 8 — Insert cable



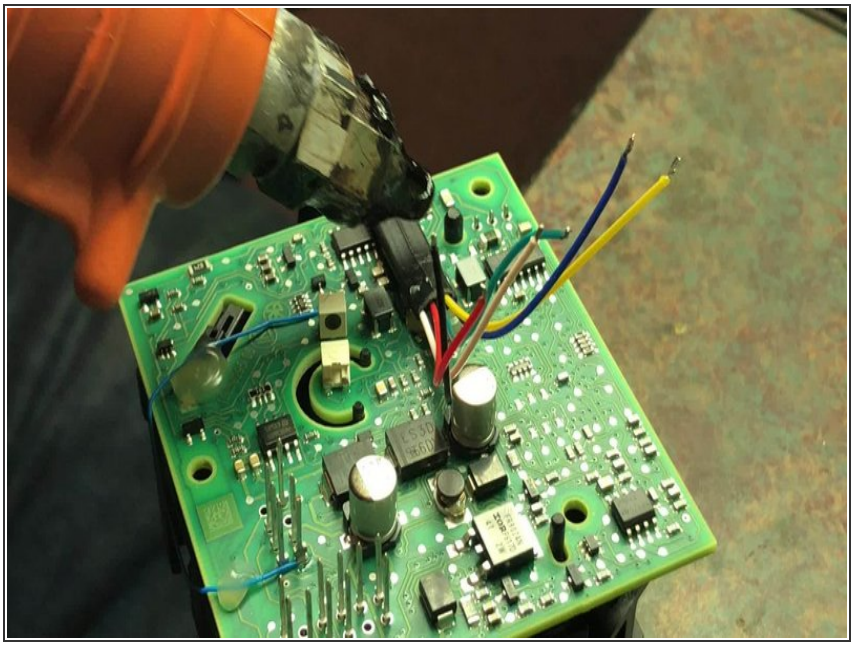
- Route bare end of cable through hole drilled in previous step. The bare wires will be connected to board

Step 9 — Secure cable on board



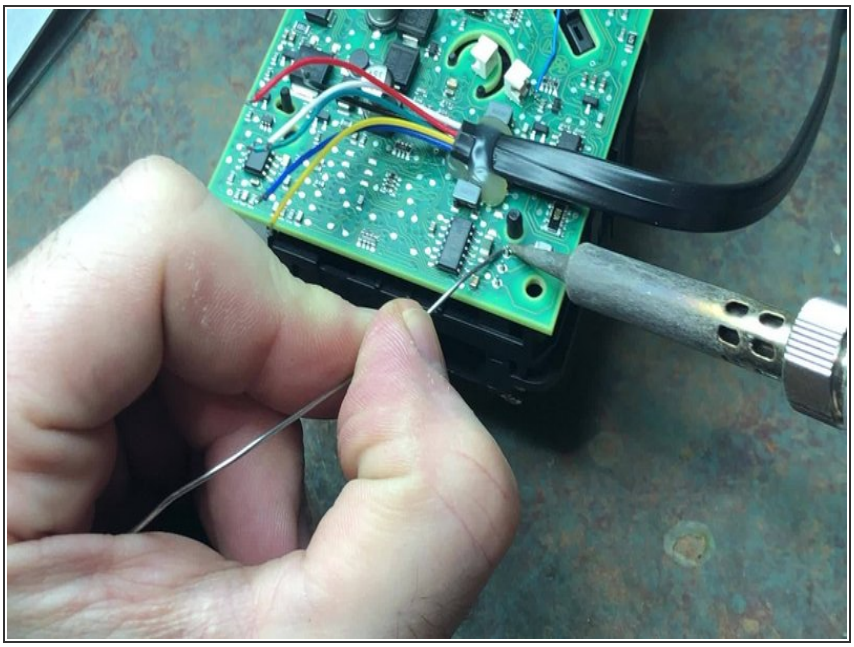
- Apply glue and adhere cable in place on board of EIS

Step 10 — Add more glue



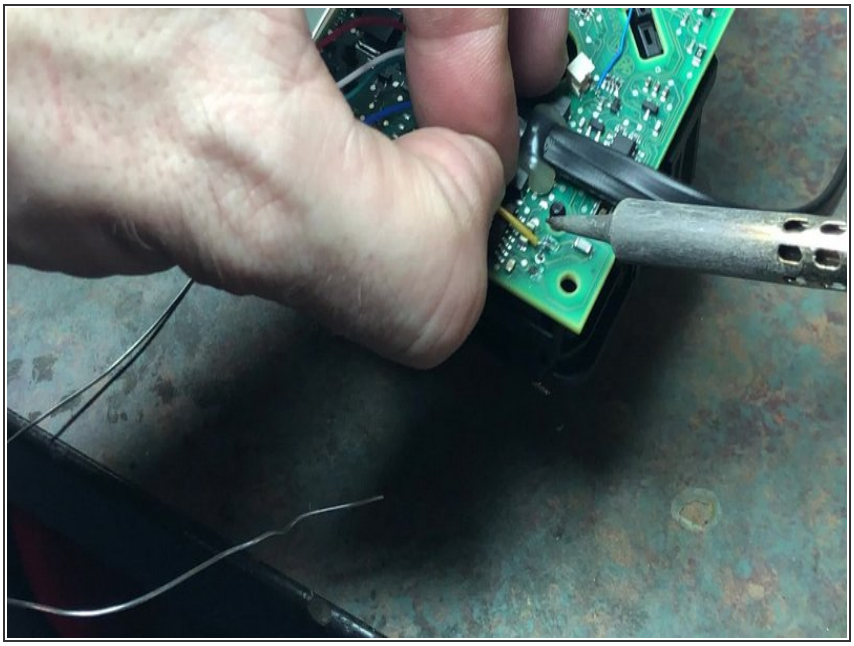
- Put additional glue on top of cable to further secure in place

Step 11 — Add solder



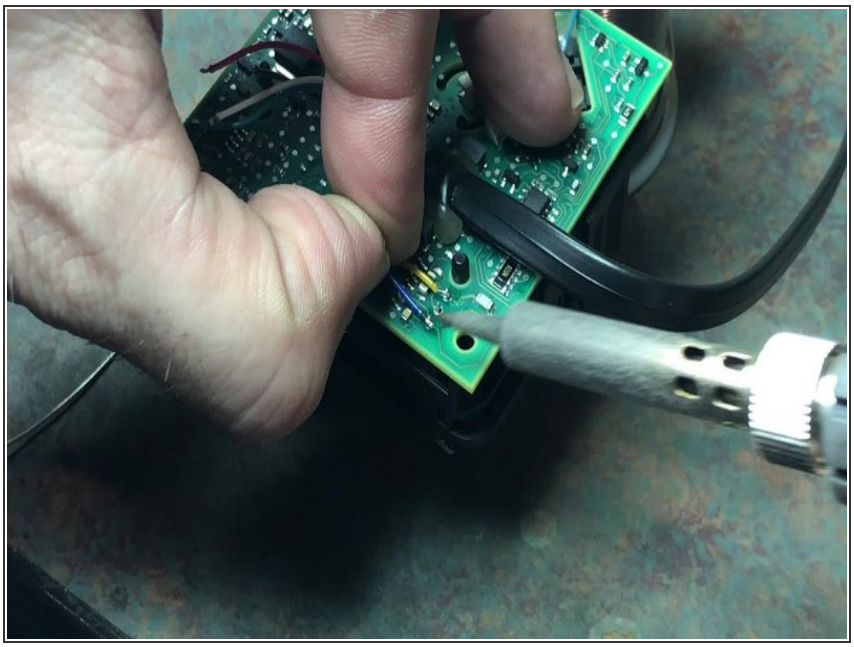
- Add solder to contacts where cable will be connected to board of EIS

Step 12 — Connect yellow wire



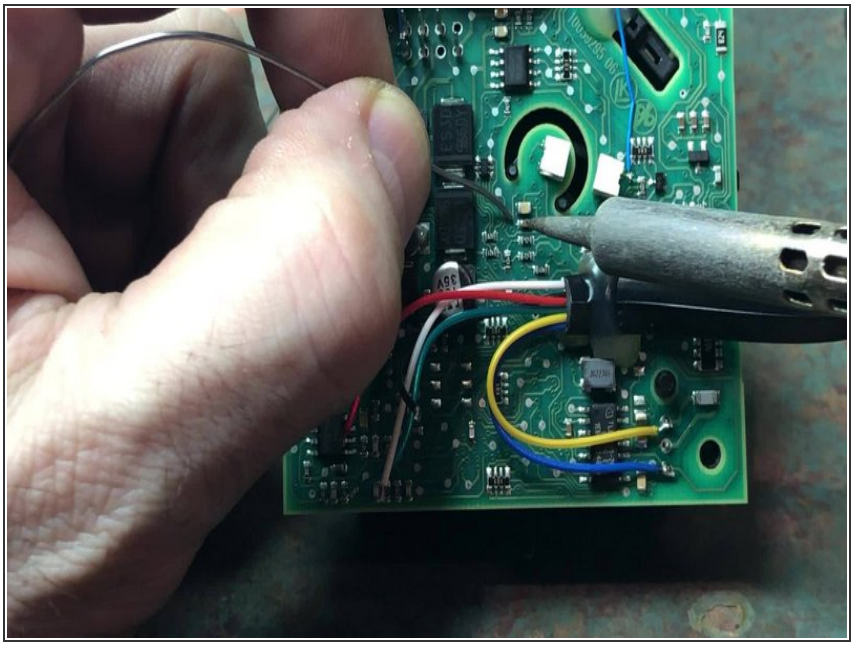
- Solder yellow wire to contact

Step 13 — Connect blue wire



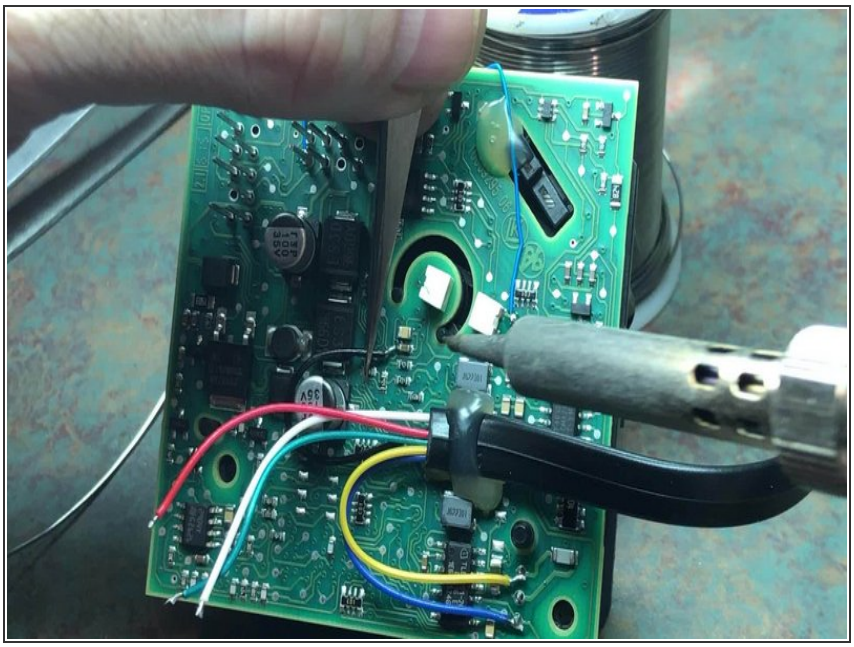
- Solder blue wire to contact on board

Step 14 — Add solder



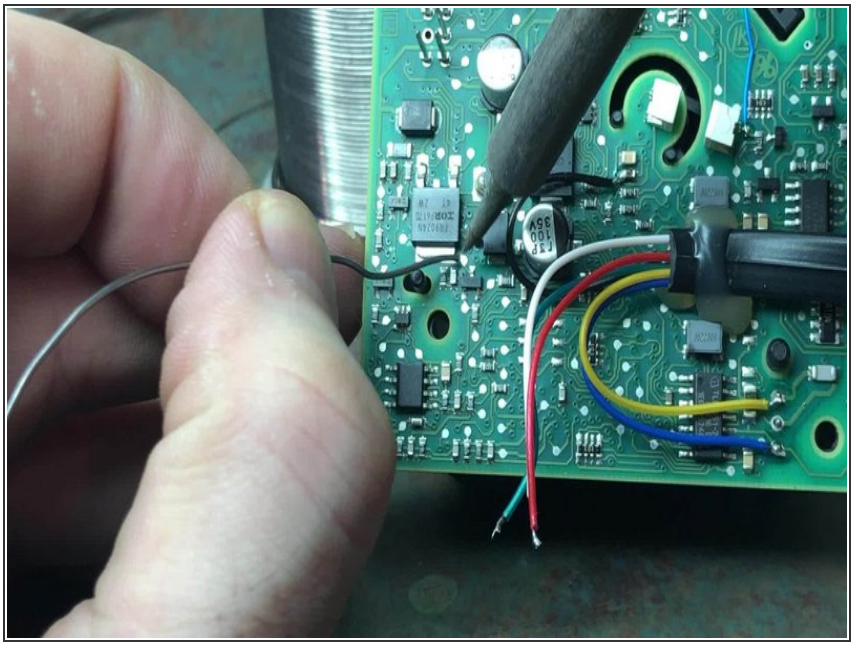
- Add solder to next contact point

Step 15 — Connect black wire



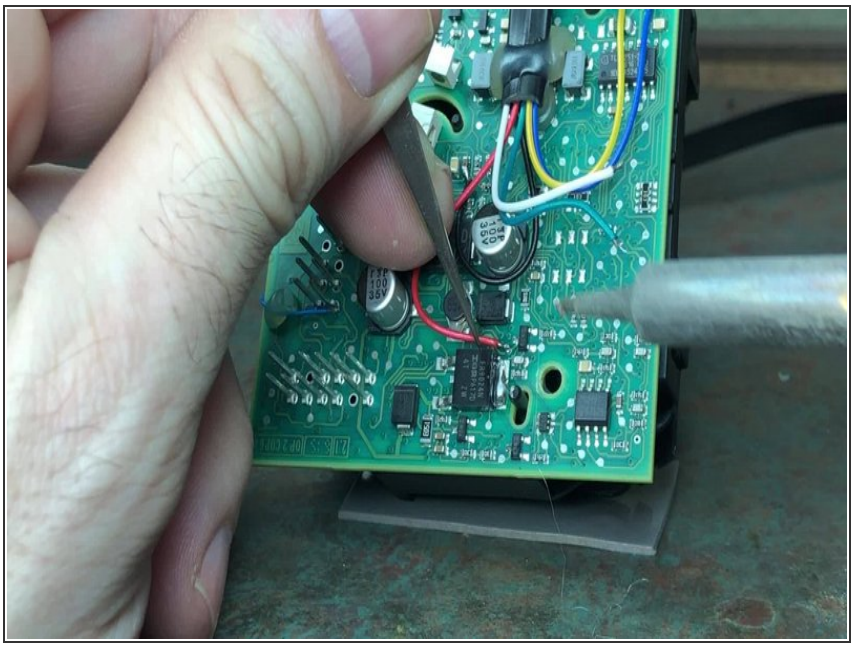
- Solder black wire to contact in previous step

Step 16 — Add solder



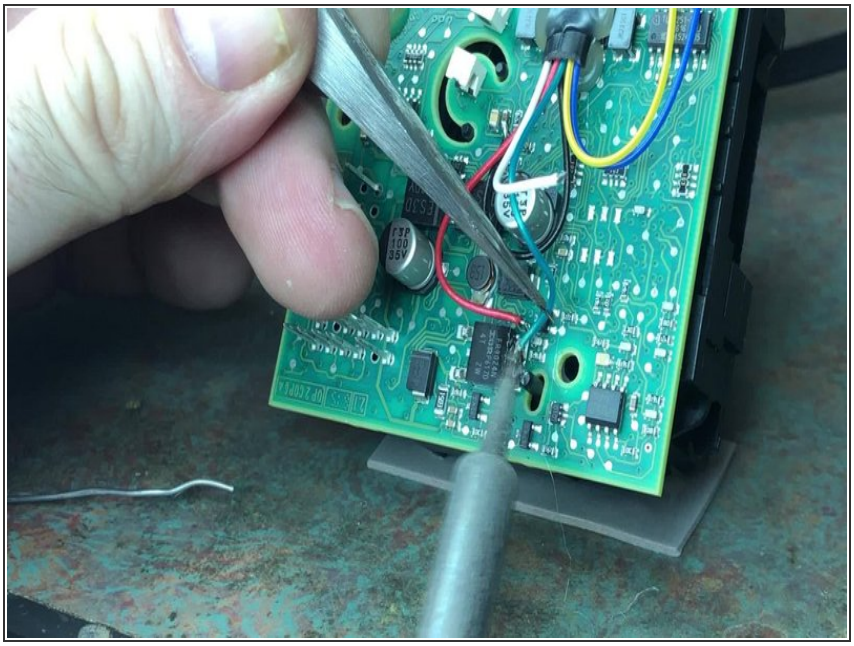
- Add solder to two (2) additional locations on board

Step 17 — Connect red wire



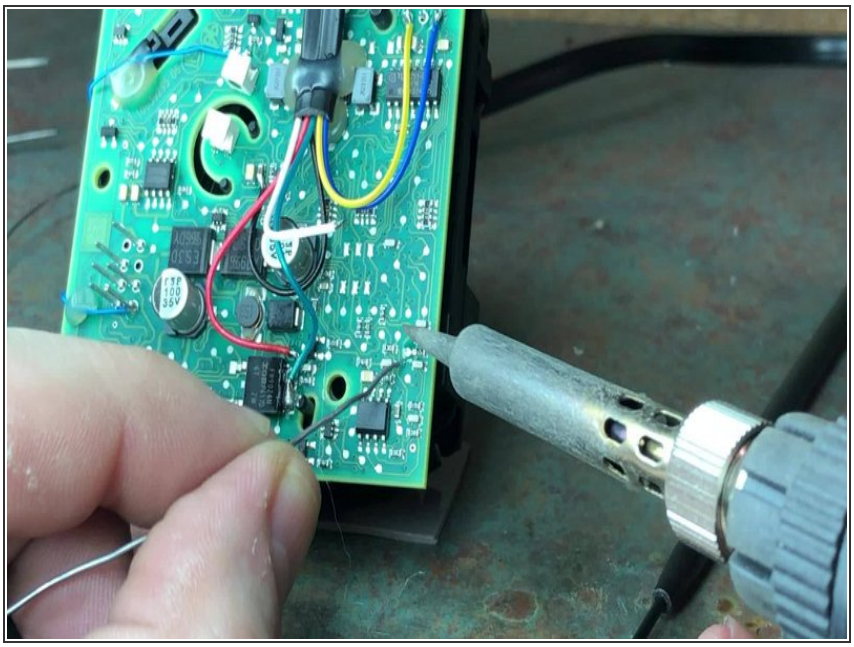
- Solder red wire to contact point

Step 18 — Connect green wire



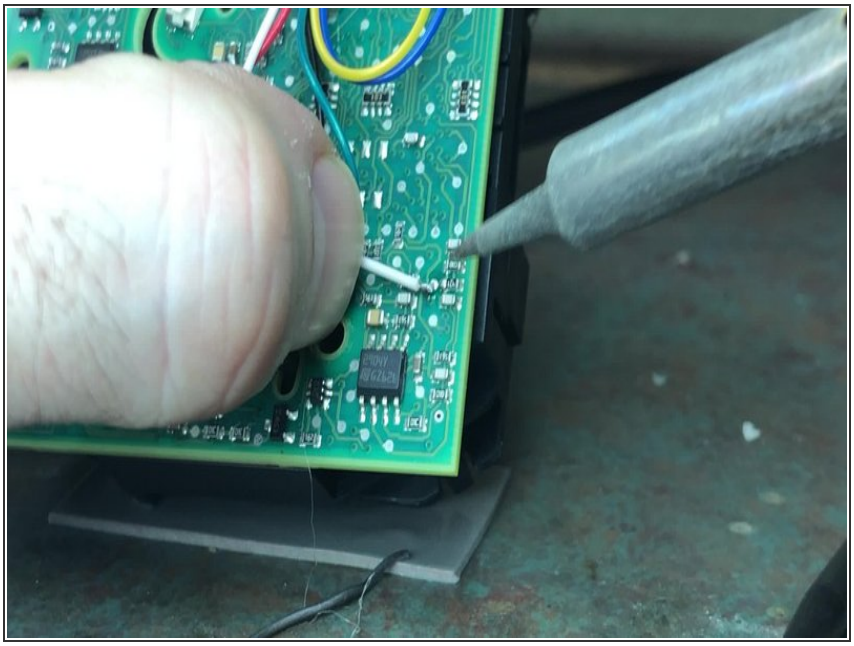
- Solder green wire to contact

Step 19 — Add solder



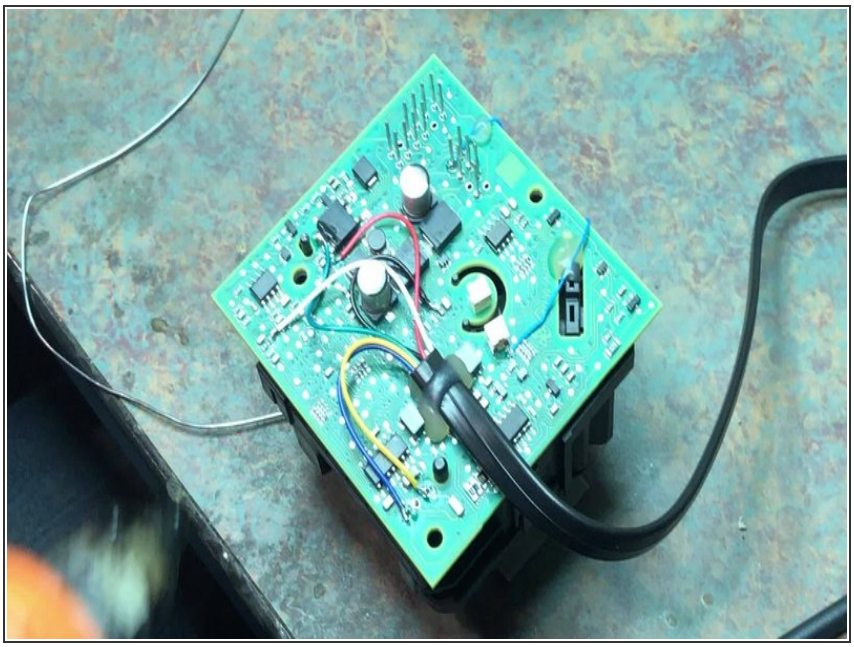
- Add solder to additional point

Step 20 — Connect white wire



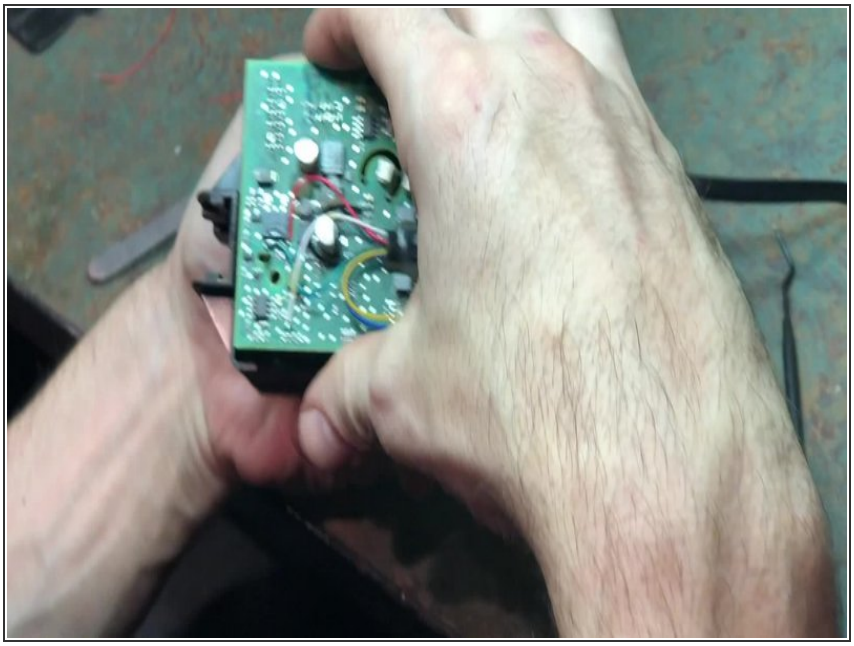
- Solder white wire to contact

Step 21 — Secure wires with glue



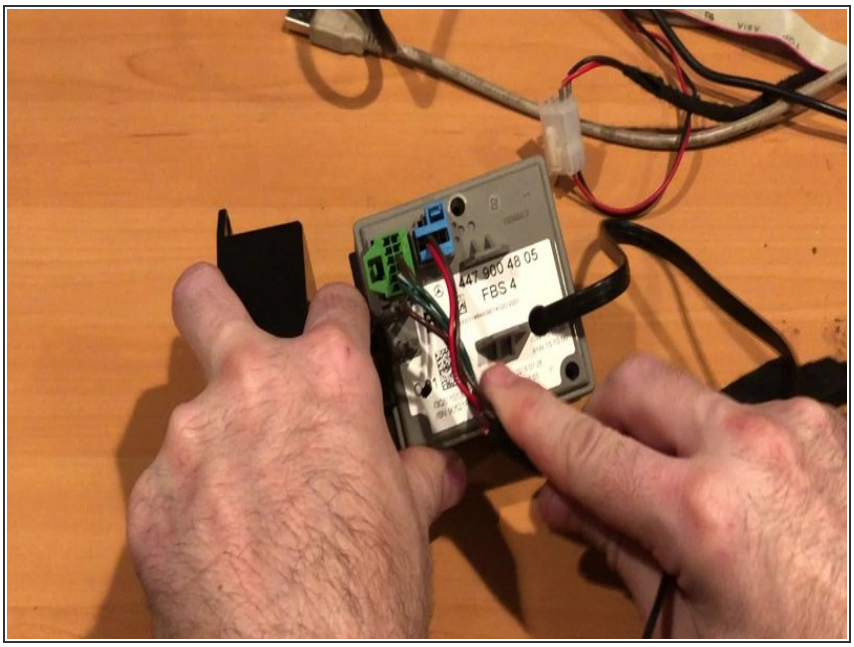
- Use additional glue to secure wires to board

Step 22 — Re-assemble EIS



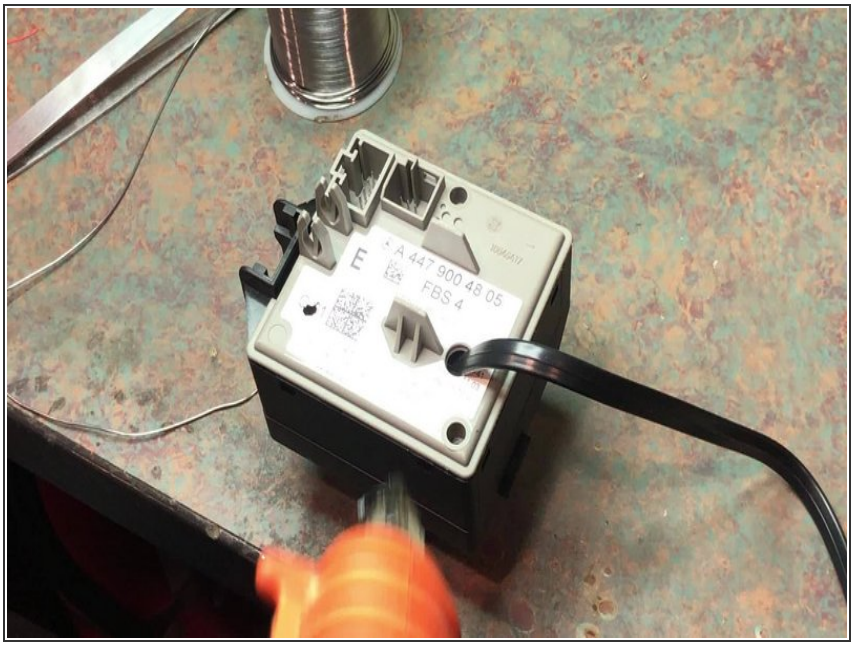
- Carefully put board and cylinder back in housing and re-assemble case and screws

Step 23 — Test EIS



- Testing modifications to confirm functionality

Step 24 — Seal hole



- Seal hole with glue