

Repair Procedure:

NOTE

The following steps are provided as an outline of the process. Follow all steps outlined in appropriate sections in Service Manual and Electrical Diagnostic Manual (EDM).

Prepare

1. Remove left saddlebag. See service manual.
2. Remove left side cover. See service manual.
3. Remove main fuse. See service manual.
4. Remove radiator shroud.
 - a. With vehicle on jiffy stand, turn forks left.
 - b. Pull radiator shroud straight forward.
5. Remove engine guard.
 - a. Loosen screws.
 - b. Remove screws.
 - c. Remove engine guard.
6. Disconnect coolant temperature sensor connector [98].
7. Remove coolant bottle from mounting bracket and reposition.
8. Remove cooling system bracket lower screws.
9. See Figure 1. Lean cooling system bracket forward toward front fender.



Figure 1. Inspection Area

Inspection

NOTE

Make sure locking tab on regulator connector (Part No. 69203028) is fully disengaged before removing the connector from the regulator. Failure to do so may result in damage to the connector.

If damage to the connector does occur and the wiring does not require replacement, file a separate warranty claim from the recall claim to replace the connector.

1. Inspect voltage regulator harness for damage to the wiring. Damage to the wrap or wire insulation with no exposure of the metal wires does not require the recall repair kit to be installed.
 - a. If damage or exposure to the metal wiring is **NOT** found continue to step 2.
 - b. See Figure 2. If damage or exposure to the metal wiring **IS** found continue to Repair Procedure When Wire Damage and Exposure is Found section.



Figure 2. Exposed Wire

2. See Figure 4 and Figure 3. Secure voltage regulator harness into position with cable strap.
 - a. If regulator wire is incorrectly routed through the coolant system bracket, it needs to be pulled back out and routed on the engine facing side of the coolant system bracket as shown.

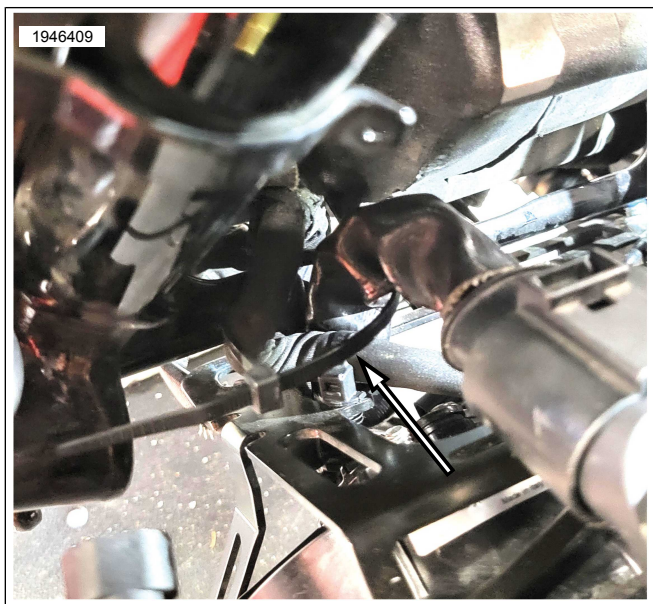


Figure 3. Loose Cable Strap

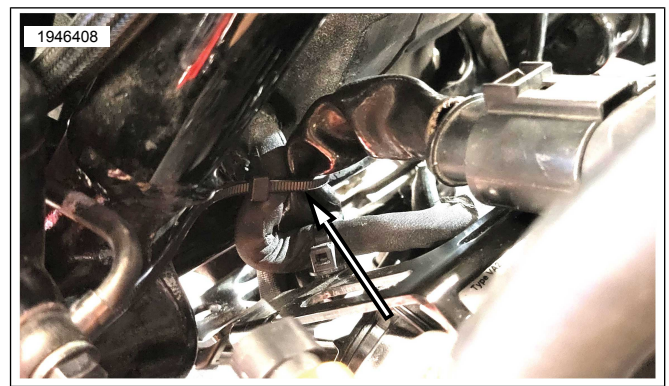


Figure 4. Tight Cable Strap

Install After Repair with Cable Straps

1. Install cooling system bracket.
2. Install coolant bottle to mounting bracket.
3. Connect coolant temperature sensor connector [98].
4. Install engine guard.
5. Install radiator shroud.
 - a. With vehicle on jiffy stand, turn forks left.
 - b. Lubricate barbed studs on radiator shroud with a mixture of 50 percent isopropyl alcohol and 50 percent distilled water.
 - c. Align barbed studs on radiator shroud with grommets (3).
 - d. Push in to secure.
6. Install main fuse.
7. Install left side cover.
8. Install left saddlebag.

Repair Procedure When Wire Damage and Exposure is Found

1. Disconnect voltage regulator connector [77].
2. See Figure 5. Pull voltage regulator connector [77] down below frame.

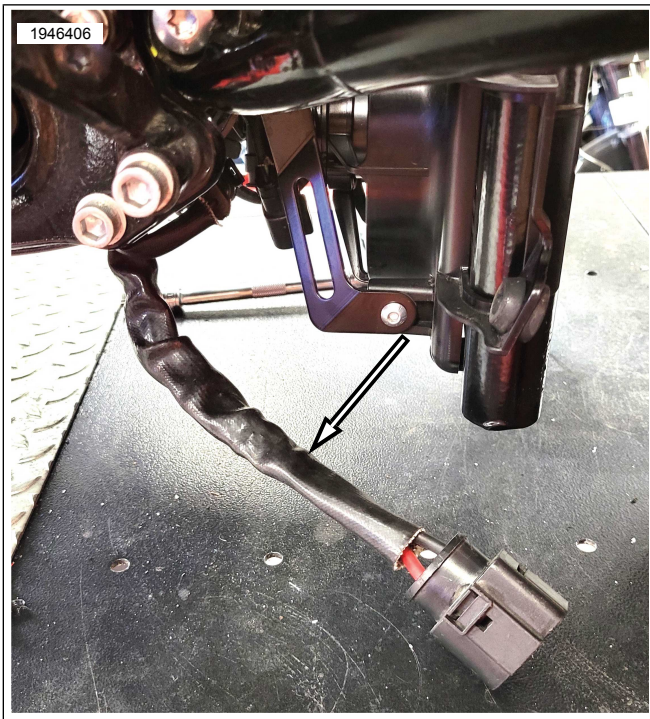


Figure 5. Voltage Connector [77] with Harness Sleeve

3. Remove anchored cable strap.
4. Separate voltage regulator RED and BLACK wires from main harness loom.
 - a. See Figure 6. Exposing approximately 18" (457mm).

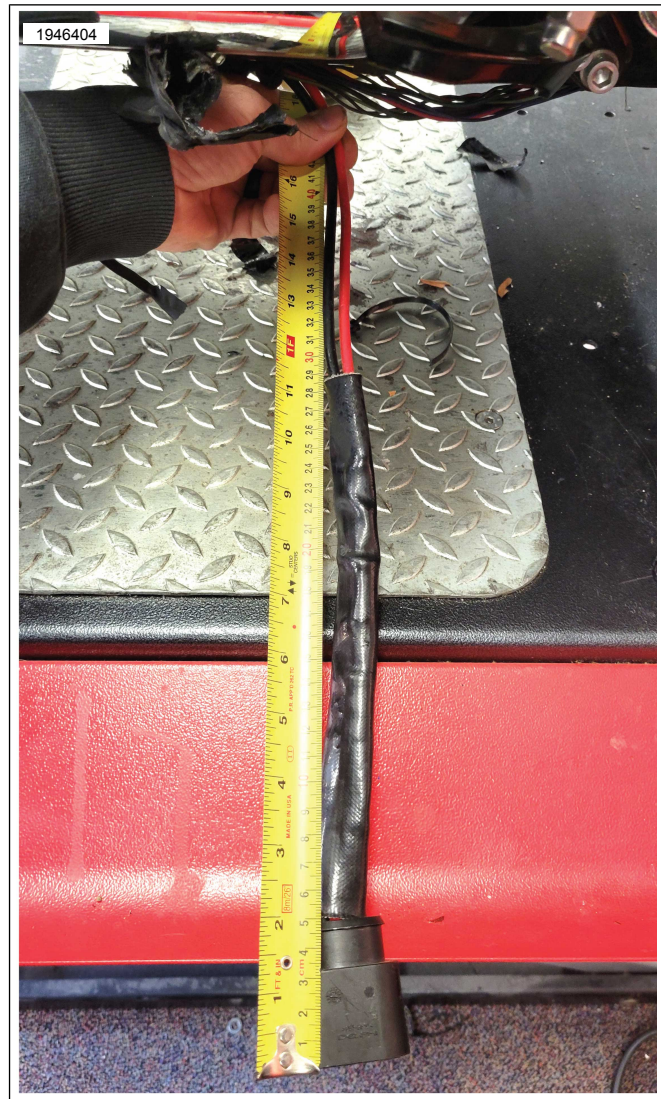


Figure 6. Separated Wire Harness

5. See Figure 7. Measuring from the front of the voltage regulator connector [77] cut the RED wire at 13 inches (355mm).
6. Measuring from the front of the voltage regulator connector [77] cut the BLACK wire at 11 inches (305mm).

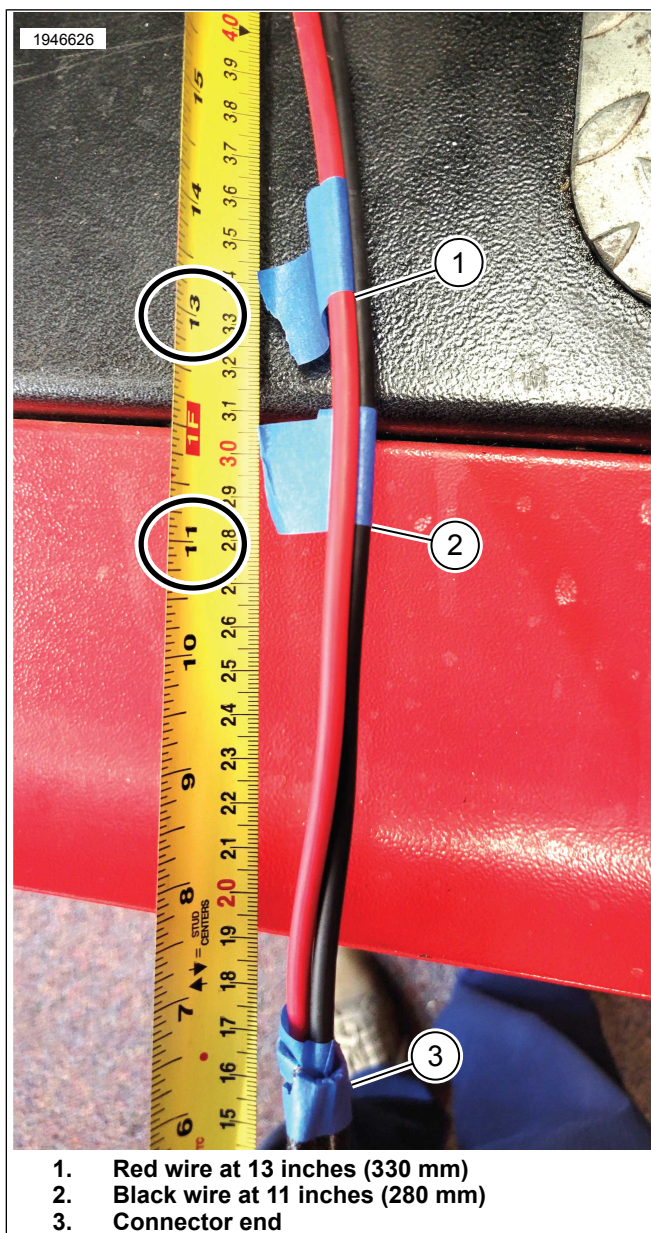


Figure 7. Measured Locations

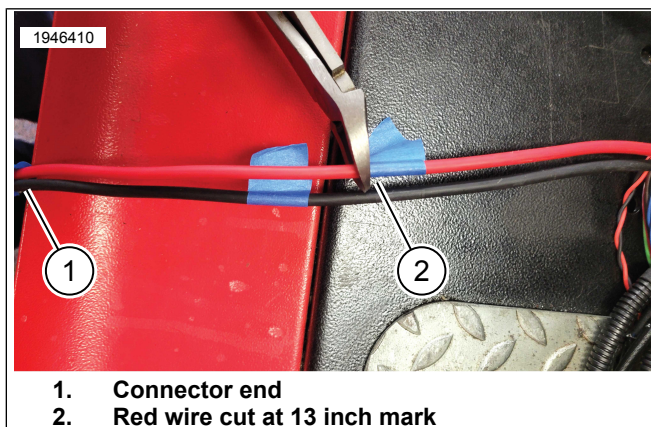


Figure 8. Red Wire Cut

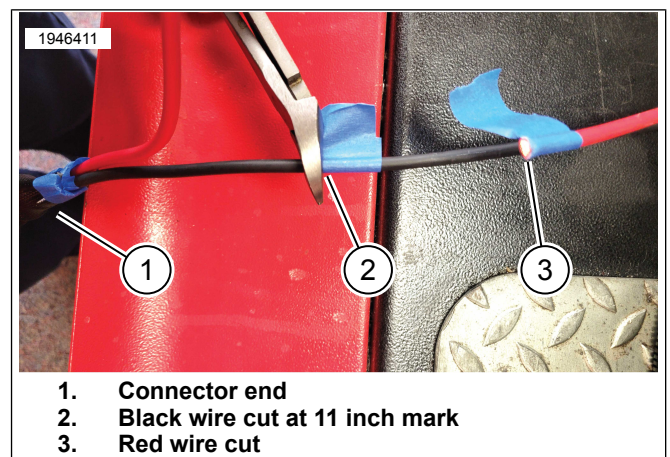


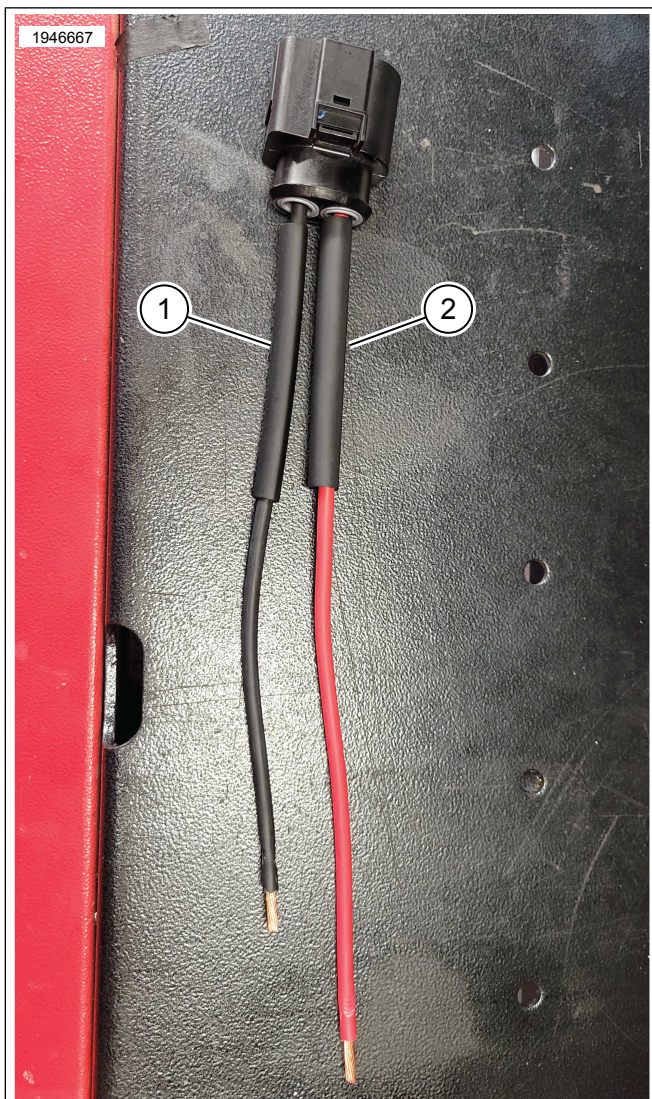
Figure 9. Black Wire Cut

7.

NOTE

Failure to follow will not allow installation of the heat shrink without connector disassembly.

See Figure 10 and Figure 11. Confirm both new heat shrink sleeves from the recall kit are loosely placed on each wire and harness sleeve is positioned over both wires of new DC lead prior to soldering in the new regulator lead harness.



1. Heat shrink on black wire
2. Heat shrink on red wire

Figure 10. Heat Shrink



1. Harness sleeve

Figure 11. Wire Harness Sleeve

8. See Figure 12. Strip both wire back ½ inch (12.5 mm).

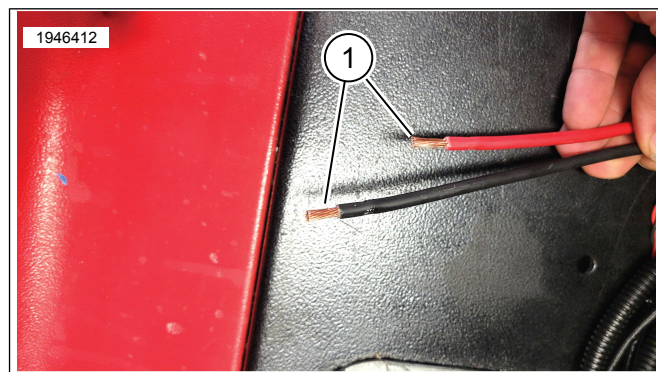


Figure 12. Wires Ready for Soldering

9. See Figure 13 - Figure 21. Solder in place Direct Current (DC) lead from Recall kit (Part No. 69203711).
 - a. See Figure 13. Make sure proper length of wire is exposed.

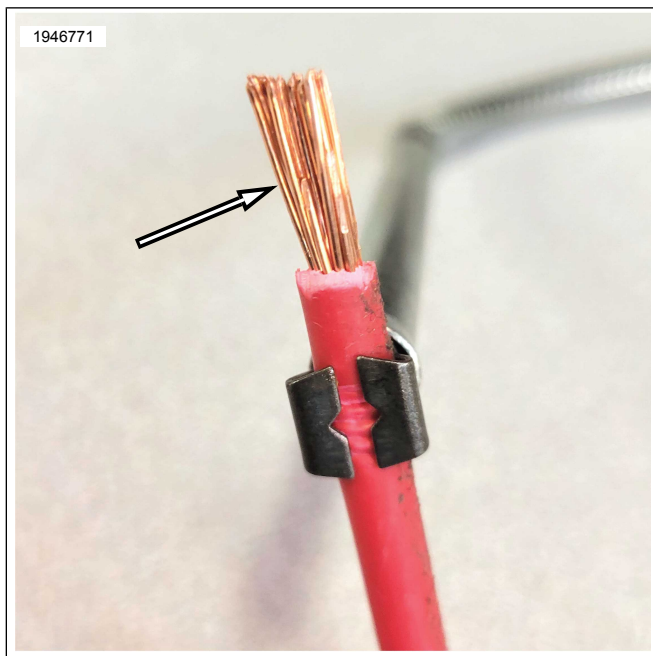


Figure 13. Exposed Wire

- b. See Figure 14. Mechanically grip wire to assist in soldering process.

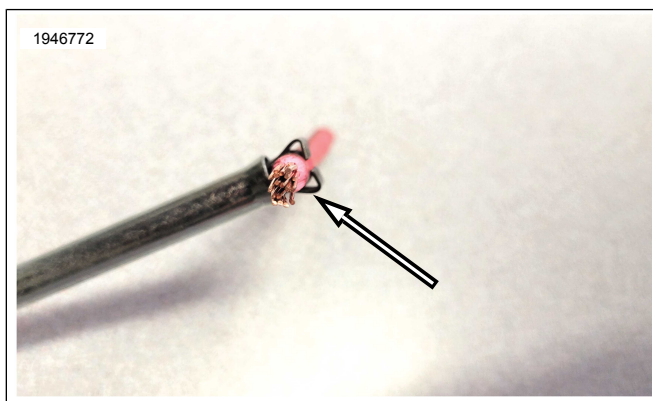


Figure 14. Mechanically Grip Wire

- c. See Figure 15. **PREP 1:** Apply flux to end of mechanically gripped wire.



Figure 15. Prep 1: Apply Flux to Stripped Wire

- d. See Figure 16. **PREP 2:** Interlock striped wires.

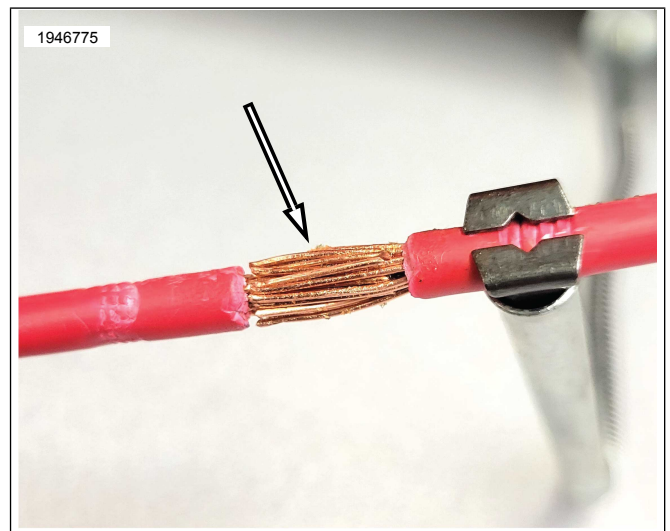


Figure 16. Prep 2: Interlock Striped Wires

- e. See Figure 17 or Figure 18. **PREP 3:** Wrap joint with thin gage wire **OR** wire ring.

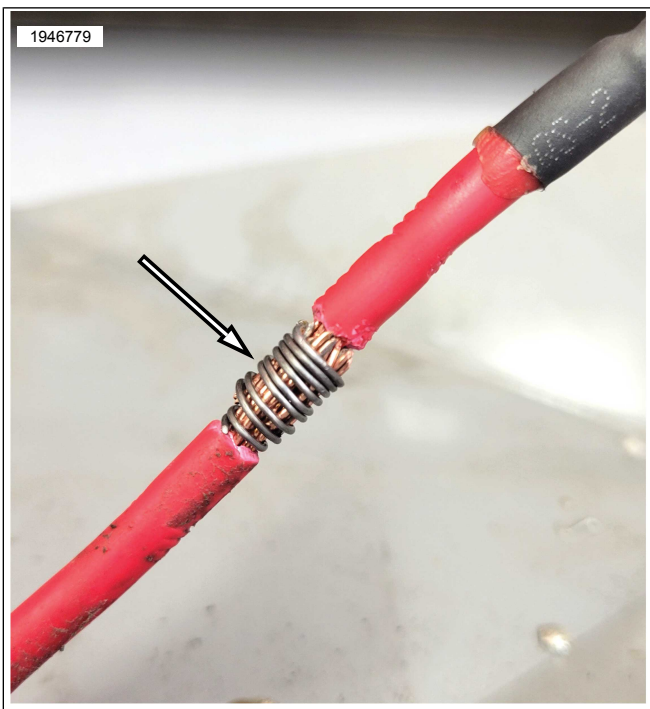


Figure 17. Prep 3: Wrap Joint with Thin Gage Wire

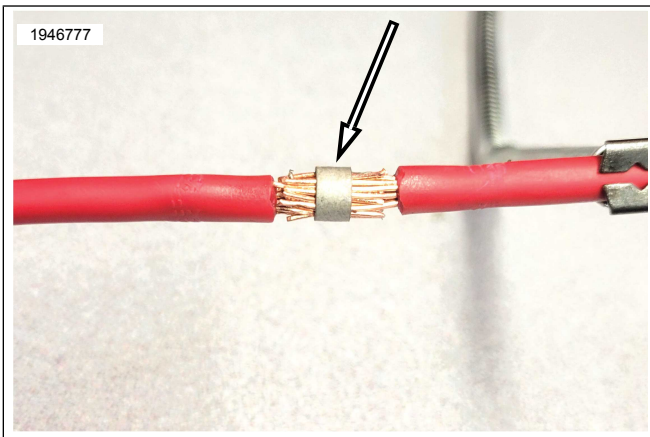


Figure 18. Prep 3: Wrap Joint with Wire Ring

- f. See Figure 19. **PREP 4:** Preheat wire and solder with heat gun. This will start to melt the solder but is not the finishing step.

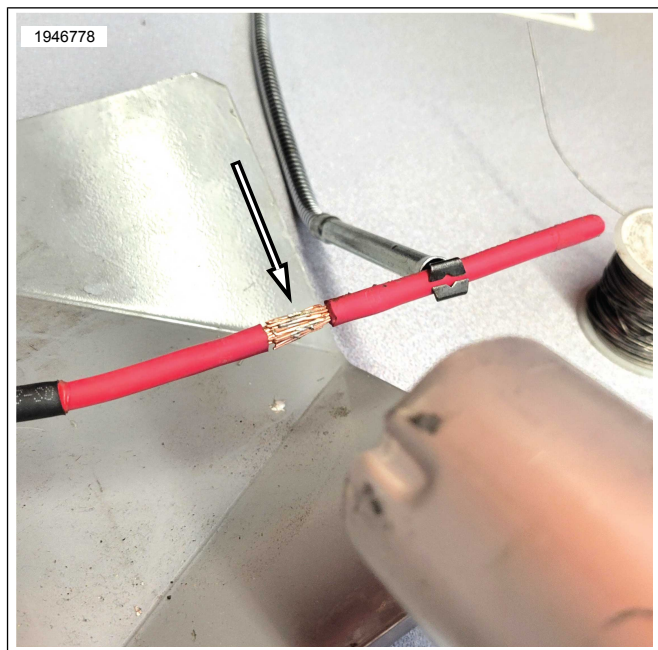


Figure 19. Prep 4: Preheat Wire and Solder with Heat Gun

- g. See Figure 20. Using a high temp soldering iron, additional solder should be applied to complete coverage.

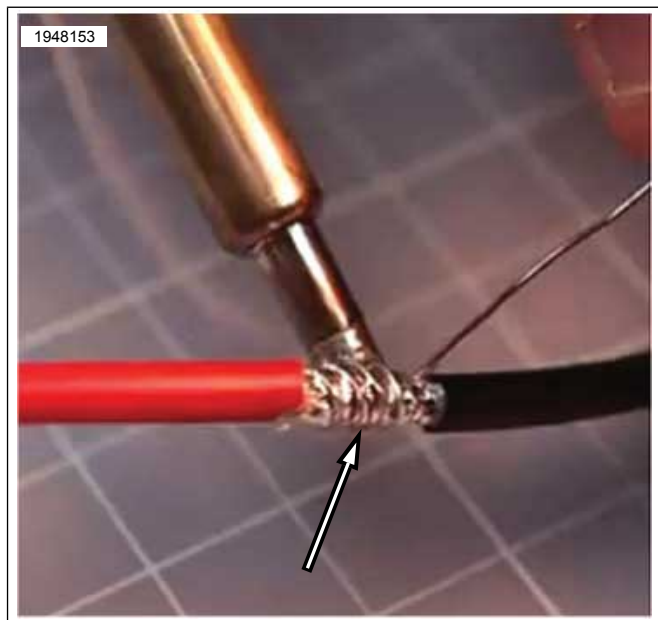


Figure 20. Add and Melt Solder with Soldering Iron

- h. See Figure 21. Inspect completed solder joint.

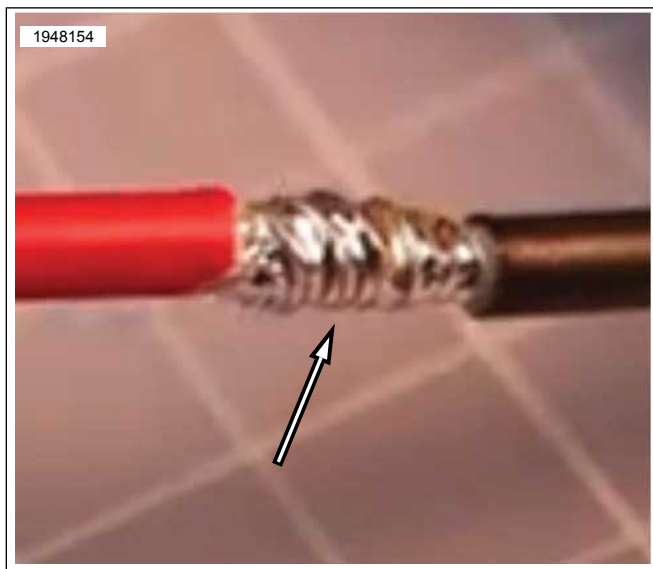
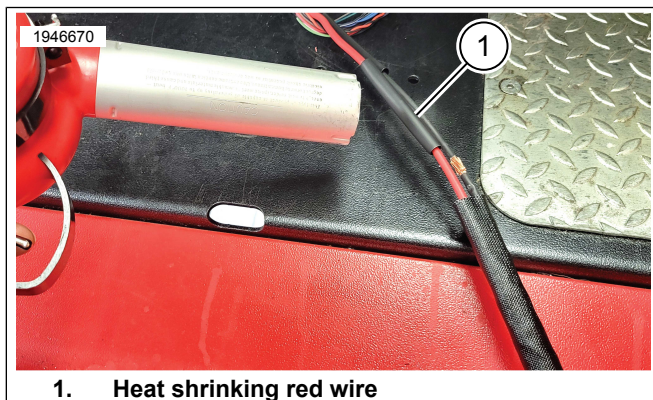


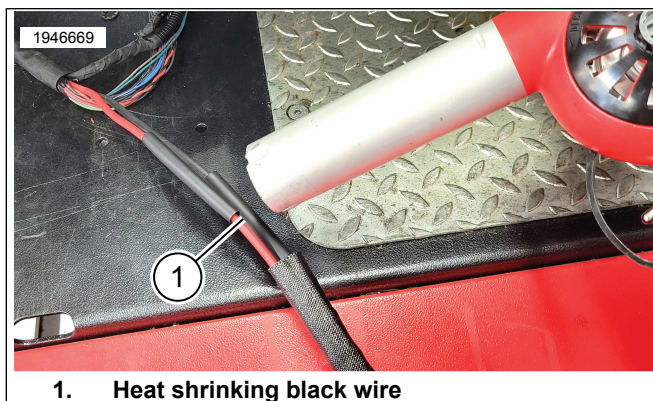
Figure 21. Solder Joint Completed

10. See Figure 22 and Figure 23. Apply heat shrink over the soldered wires.



1. Heat shrinking red wire

Figure 22. Heat Shrinking Red Wire



1. Heat shrinking black wire

Figure 23. Heat Shrinking Black Wire

11. Position voltage regulator wires with harness sleeve and wrap with harness wrap.
12. Install anchored cable strap on harness.
13. Route harness to proper position.
14. Connect voltage regulator connector [77].

15. See Figure 24. Seat anchored cable strap into frame tab.

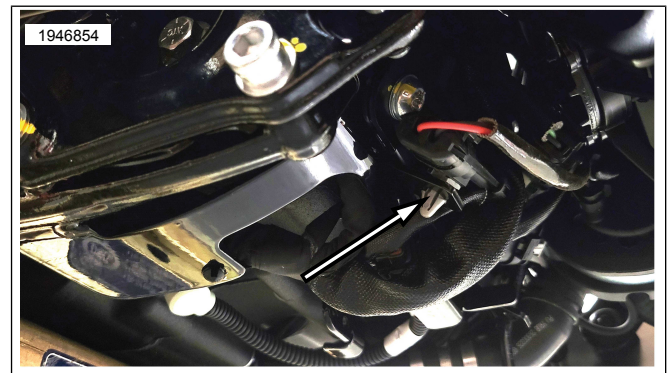


Figure 24. Anchored Cable Strap

16. See Figure 25 and Figure 26. Secure voltage regulator harness into position with cable strap around regulator harness and coolant pump harness in location shown.

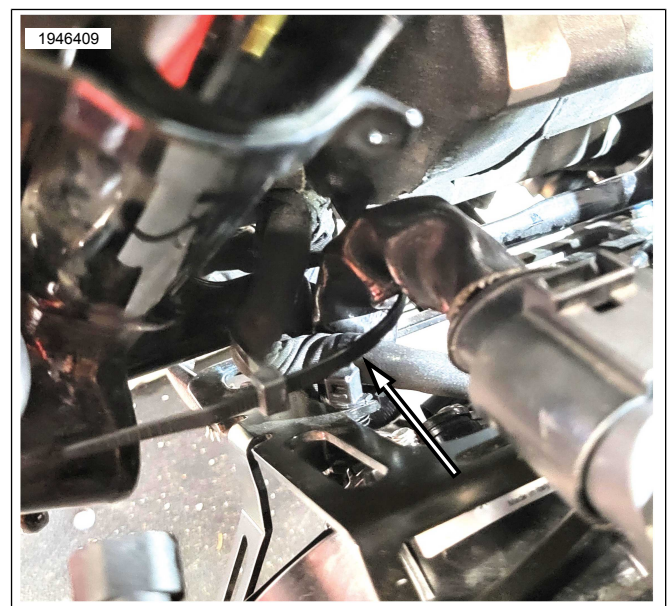


Figure 25. Loose Cable Strap

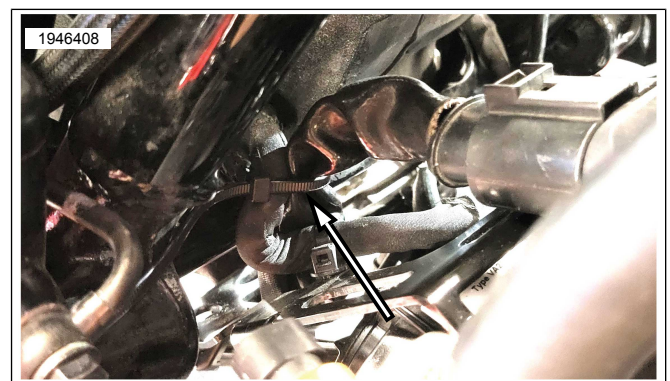


Figure 26. Tight Cable Strap

Install After Repair

1. Install cooling system bracket.
2. Install coolant bottle to mounting bracket.

3. Connect coolant temperature sensor connector [98].
4. Install engine guard.
5. Install radiator shroud.
 - a. With vehicle on jiffy stand, turn forks left.
 - b. Lubricate barbed studs on radiator shroud with a mixture of 50 percent isopropyl alcohol and 50 percent distilled water.
 - c. Align barbed studs on radiator shroud with grommets (3).
 - d. Push in to secure.
6. Install main fuse. See service manual.
7. Install left side cover. See service manual.
8. Install left saddlebag. See service manual.

Credit Procedure

NOTE

Each vehicle will require only 1 repair (Inspection and Rework OR Repair). Only 1 claim per vehicle will be allowed.

Labor time includes compensation to cover the cost of cable tie to retain the wiring harness for Table 4 and Table 5.

Enter bulletin number into comment section of claim.

The labor time for Inspection and Rework was updated in Revision A for this Service Bulletin from 0.3 to 0.4 hours.

Dealers that have been credited 0.3 hours on claims prior to this change will receive an additional 0.1 hours per claim on a manual credit issued in the coming weeks after release of Revision A of this Service Bulletin. No further action is required by the dealership regarding these previous claims.

For each vehicle involved in this recall (involvement of VIN has been verified on h-dnet.com), submit a recall claim per Table 4 or Table 5.

Table 4. Credit Procedure: Talon/h-dnet.com Warranty Claim System Users - Inspection and Rework

ITEM	DATA
Claim Type	SRC
Problem Part Number	69202980A
Quantity	Leave Blank
Primary Labor Code	2728
Labor Time	0.4 hours
Customer Concern Code	0186
Condition Code	9981

Table 5. Credit Procedure: GDP/SAP System Users or Claim System Users - Inspection and Rework

ITEM	DATA
Claim Type	Recall Claim
Fix ID-Found in Recall Number	I
Problem Part Number	69202980A
Customer Concern Code	0186
Condition Code	9981

Upon submission of the properly completed claim, you will be credited for 0.4 hours of labor time, (which includes the cost of the cable strap), for performing the procedure, plus appropriate administrative time. Submit campaign events on their own warranty claim. Do not mix them with other warranty events.

NOTE

The credit procedures in Table 6 and Table 7 will not be available to use until recall kits are shipped to the global dealer network.

For each vehicle involved in this recall (involvement of VIN has been verified on h-dnet.com), submit a recall claim per Table 6 or Table 7.

Table 6. Credit Procedure: Talon/h-dnet.com Warranty Claim System Users - Repair

ITEM	DATA
Claim Type	SRC
Problem Part Number	69202980A
Quantity	Leave Blank
Primary Labor Code	2731
Labor Time	1.1 hours
Customer Concern Code	0186
Condition Code	9982
Replacement Part Number	91500119
Quantity	1

Table 7. Credit Procedure: GDP/SAP System Users or Claim System Users - Repair

ITEM	DATA
Claim Type	Recall Claim
Fix ID-Found in Recall Number	R
Problem Part Number	69202980A
Customer Concern Code	0186
Condition Code	9982

Upon submission of the properly completed claim, you will be credited for 1.1 hours of labor time for performing the procedure, plus appropriate administrative time. Credit will also be issued for the recall kit (U.S. only). Submit campaign events on their own warranty claim. Do not mix them with other warranty events.

Return Parts

Hold all claimed parts for 60 days from date of credit issued for possible field inspection and/or request to return to factory. After 60 days, destroy and discard the parts.