

SERVICE BULLETIN



NOTE									
In the interest of preserving customer safety and satisfaction, always check for outstanding recalls whenever any motorcycle is brought into your dealership for either maintenance or service.									
ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	WARRANTY PROCESS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
INITIAL HERE									

M1657: RECALL 0186 - 2024 Center-Cooled Regulator Wiring

M1657

2024-09-18

Reason for Revision

[Refer to Table 1.](#)

Table 1. Document History

DATE	REV	REVISION (REV) DESCRIPTION
2024-09-18	-	Initial release

Purpose for Service Bulletin

This bulletin informs dealers that Harley-Davidson has learned that on certain 2024 Touring and CVO Touring vehicles (Refer to [Vehicles Affected](#)), built between October 27, 2023 and July 18, 2024 at York Vehicle Operations, the regulator output wire (red wire) may rub on the front corner of the crankcase.

Over time, the wire insulation may wear, exposing the wire and potentially causing a short to ground. If this occurs, the 60-amp main fuse may open, resulting in a loss of propulsion, combined with a loss of all electrical power, without prior indication to the rider. The unexpected loss of propulsion combined with the loss of all electrical power while in motion, without the ability to restart, may increase the risk of a crash.

Recall Kit Ordering Information

Recall kits will NOT be available for dealer ordering at launch. Kits will begin wave shipments to dealerships globally the week of October 14, 2024.

Required Dealer Action

Table 2. Required Dealer Action

CATEGORY	DESCRIPTION	REQUIRED
1	Must Perform Repair	<input checked="" type="checkbox"/>
2	Repair If Presenting Symptom	<input type="checkbox"/>
3	Feature Pack- Customer/Dealer Paid	<input type="checkbox"/>
4	Informational Purposes Only	<input type="checkbox"/>

Vehicles Affected

2024: Street Glide (FLHX), Road Glide (FLTRX), CVO Street Glide (FLHXSE), CVO Road Glide (FLTRXSE), CVO Road Glide ST (FLTRXSTSE)

A [Vehicle Identification Number \(VIN\)](#) list specific to vehicles shipped to your dealership is available at H-Dnet.com.

Use the following path to locate the [VIN](#) list:

- H-Dnet.com > Toolbox > Warranty Campaign Center > Safety Campaign Open VIN list

NOTE

If the vehicle does not appear on your dealer [VIN](#) list, refer to the Vehicle Information link for that [VIN](#) to determine if the vehicle is affected under the Warranty Campaign section of the Vehicle Information.

Markets Affected

All markets affected.

Recall Kit Part Number

NOTE

Not all vehicles will require the installation of this Recall Kit. Review the wiring inspection instructions in Required Dealer Action to determine if a Recall Kit is required.

[Refer to Table 3.](#)

Table 3. Part Numbers

PART NO.	ITEM DESCRIPTION
91500119	Kit, Recall 0186, Regulator Wiring

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.
2. Remove left side cover.
3. Remove main fuse.
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

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.
 - 1.2. [See Figure 2](#). If damage or exposure to the metal wiring **IS** found continue to [Refer to Repair](#) section.

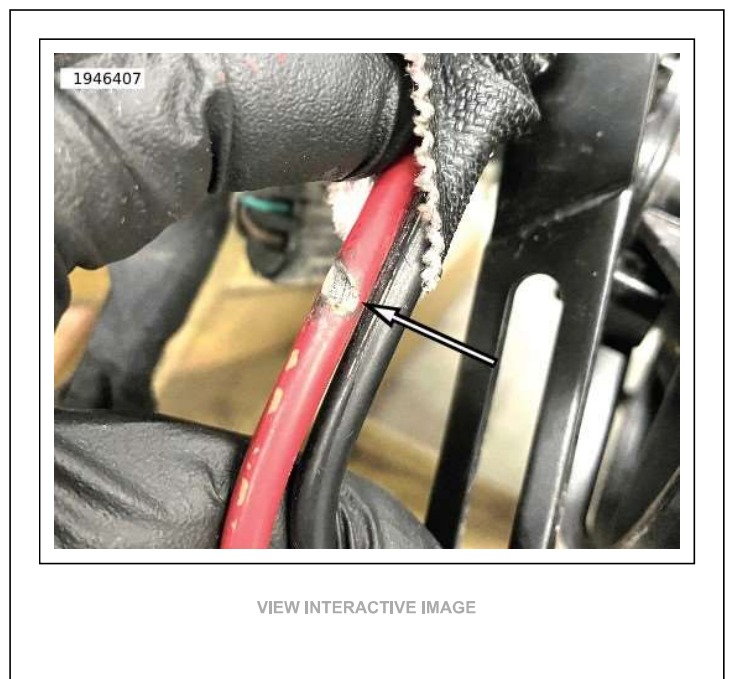


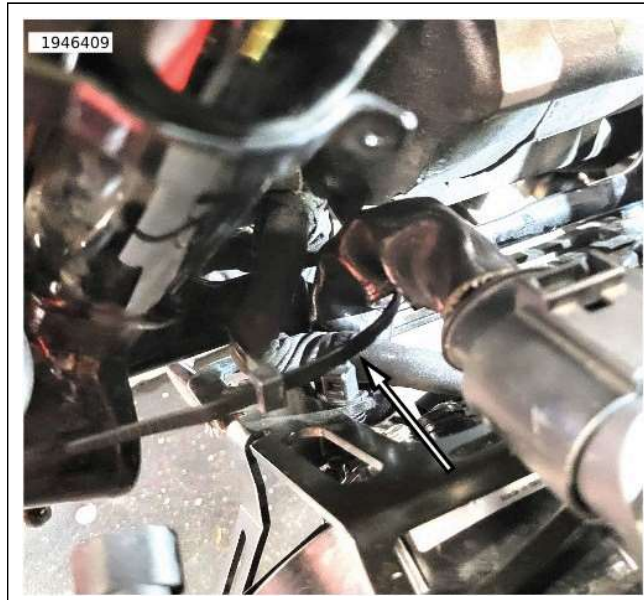
Figure 2. Exposed Wire

2. See [See Figure 3.](#) and [See Figure 4.](#) Secure voltage regulator harness into position with cable strap.



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Figure 3. Tight Cable Strap



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Figure 4. Loose Cable Strap

Install After No Repair Needed

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

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

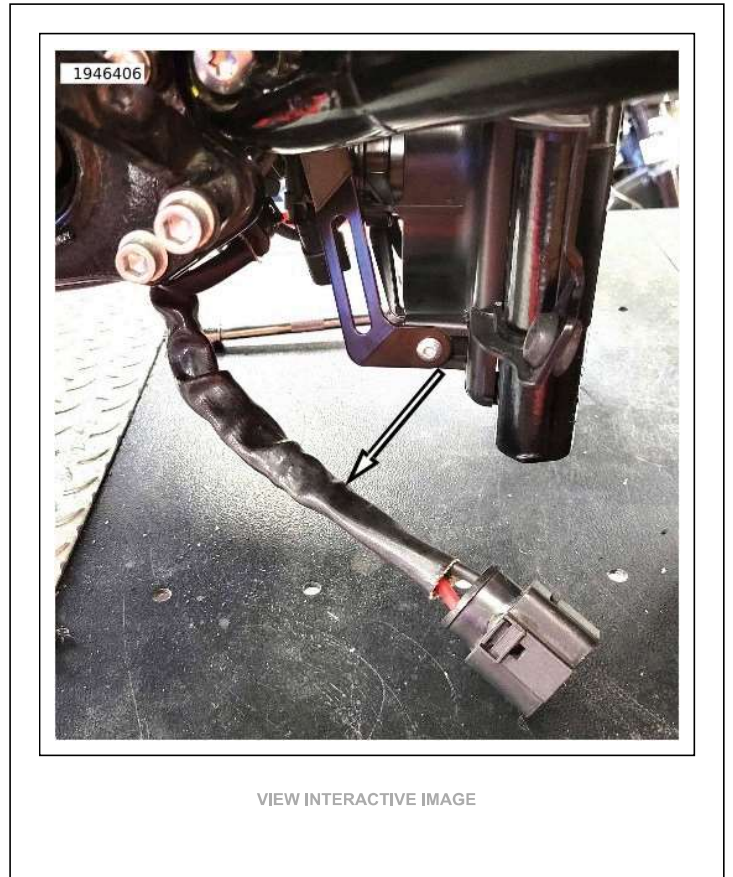


Figure 5. Voltage Connector [77]

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).



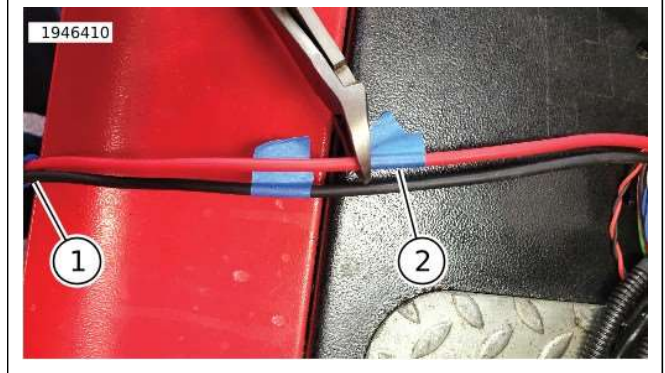
Figure 6. Separated Wire Harness

5. [See Figure 7](#). Measuring from the front of the voltage regulator connector [77] cut the RED wire at 14 inches (355mm).

6. Measuring from the front of the voltage regulator connector [77] cut the BLACK wire at 12 inches (305mm).



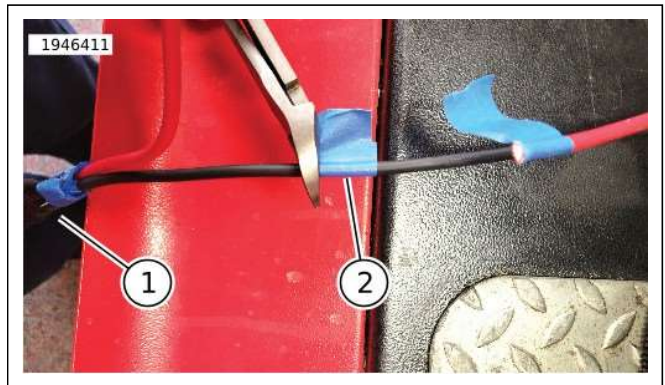
Figure 7. Measured Locations



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1. Connector end.
2. Red wire cut.

Figure 8. Red Wire Cut



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1. Connector end.
2. Black wire cut.

Figure 9. Black Wire Cut

7. **NOTE**

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

See [See Figure 10.](#) - **Unresolved graphic link.** 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.

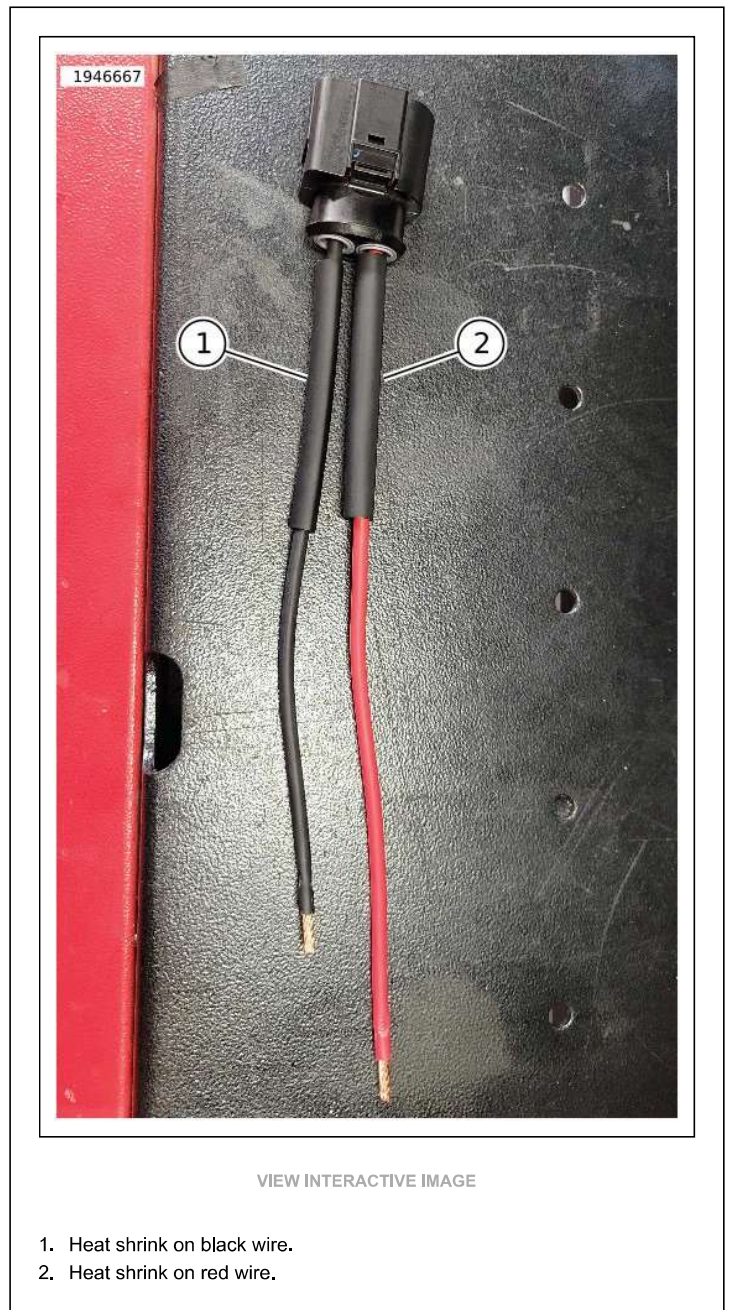


Figure 10. Heat Shrink

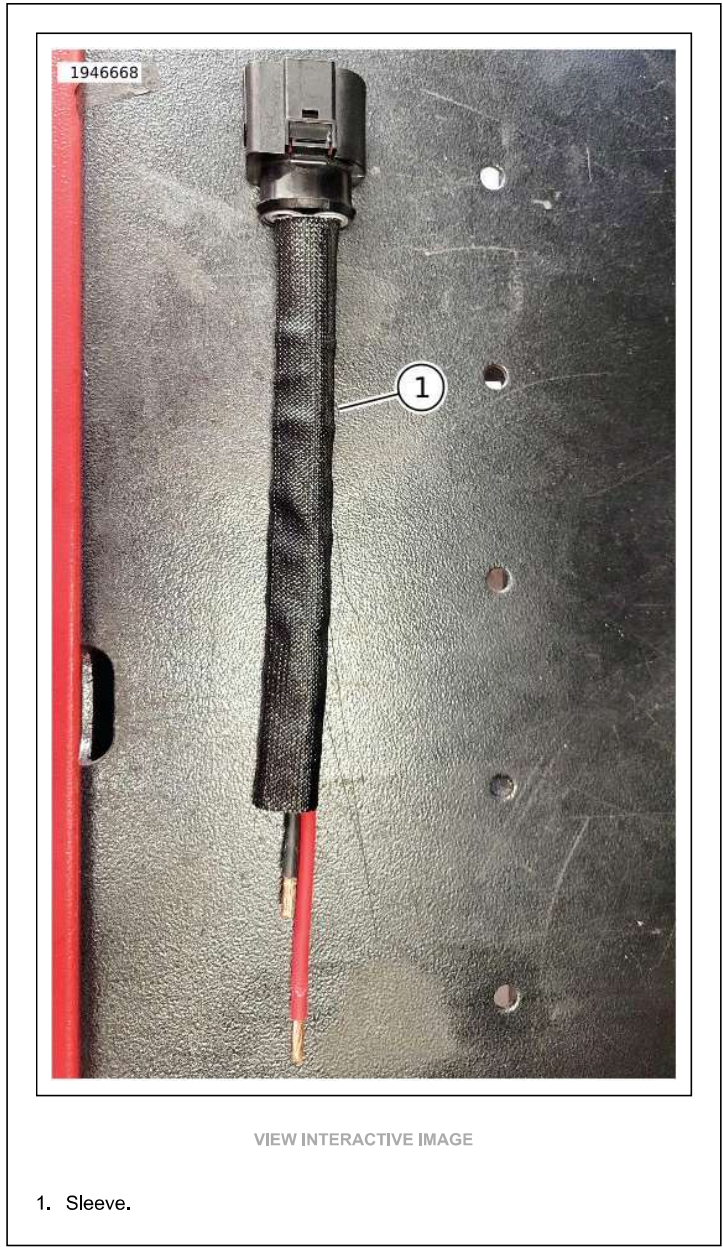


Figure 11. Wire Harness Sleeve

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

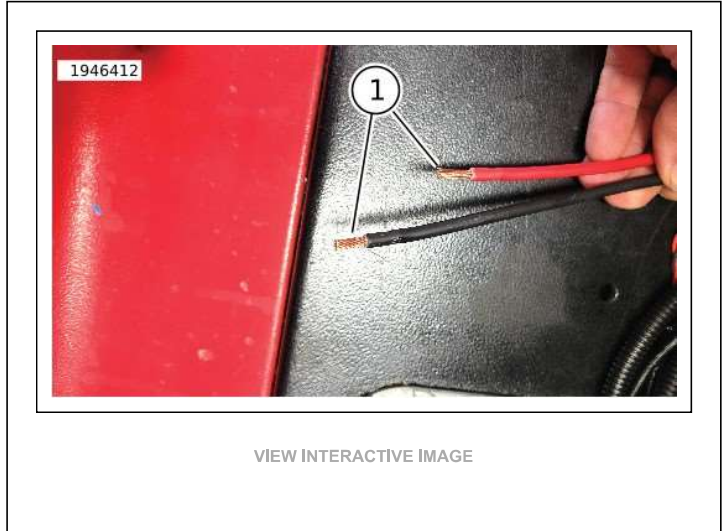


Figure 12.

9. See [See Figure 13.](#) - [See Figure 18.](#) Solder in place [Direct Current \(DC\)](#) lead from Recall kit (Part No. 69203711).

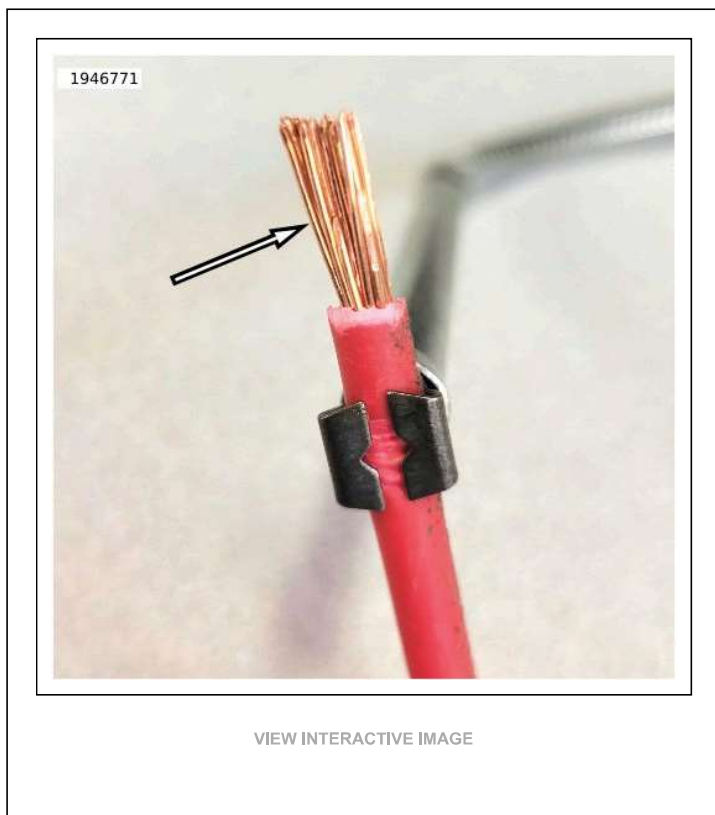


Figure 13. Exposed Wire

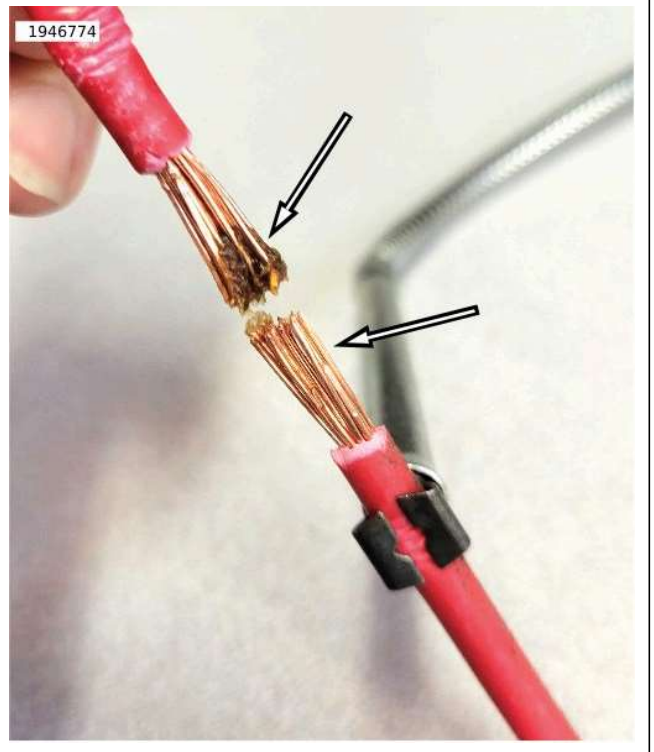


Figure 14. Mechanically Grip Wire



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Figure 15. Dip Wire Into Flux



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Figure 16. Position Wires

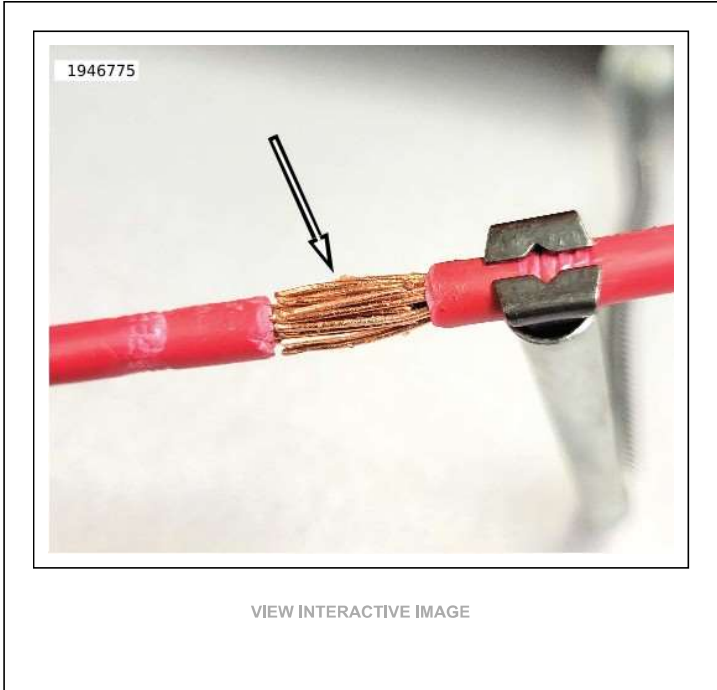


Figure 17. Intertwine Wires

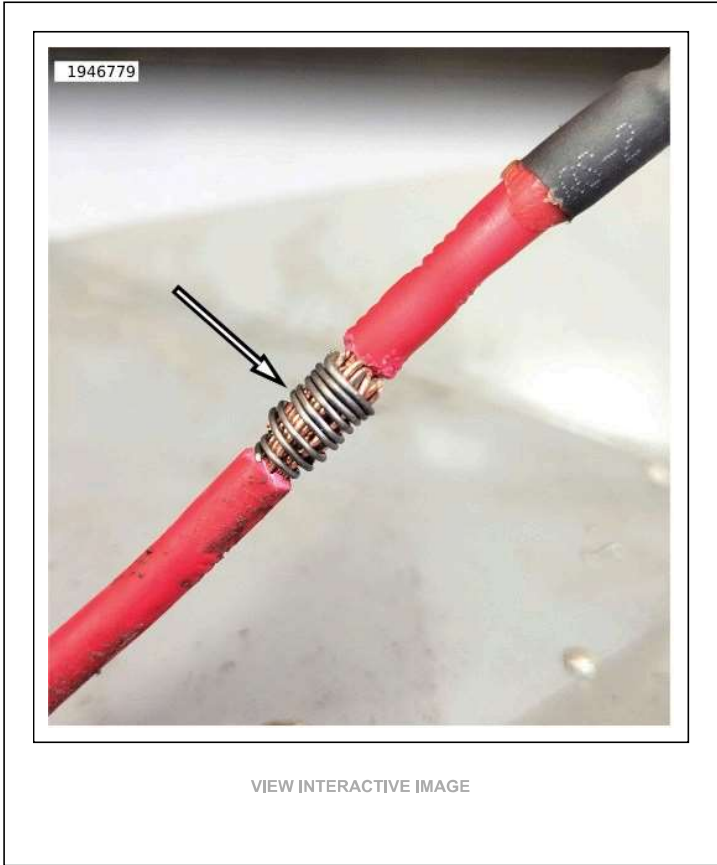
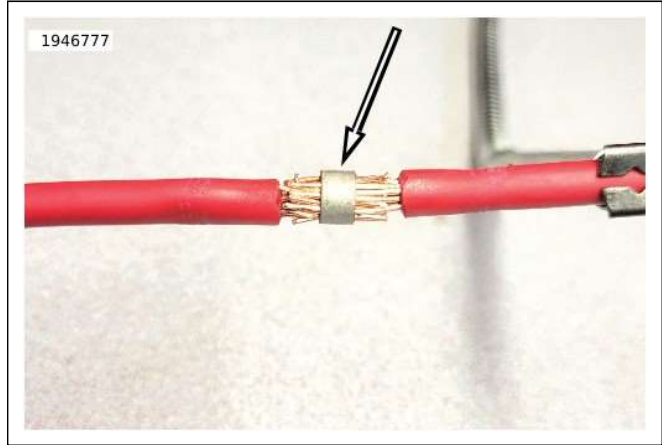
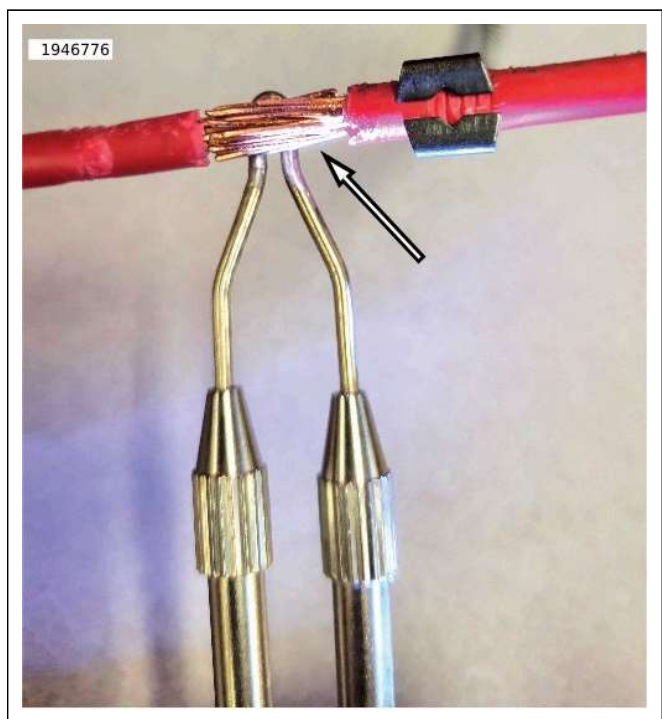


Figure 18. Wrap Joint with Thin Gage Wire



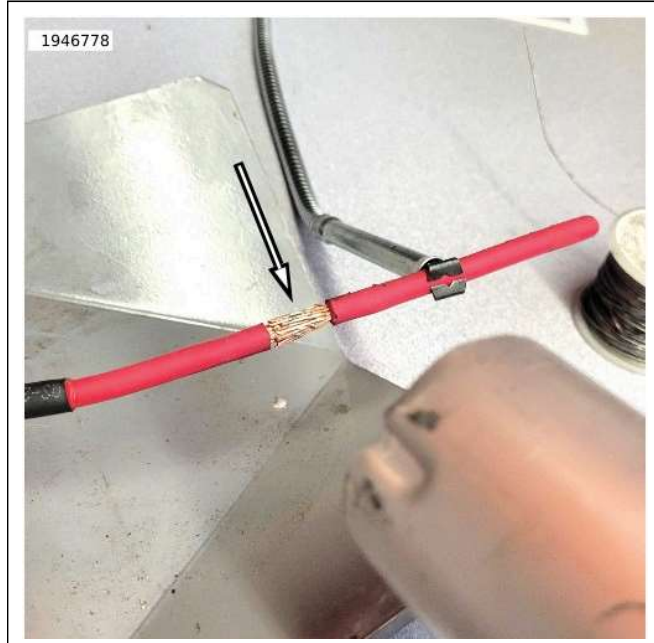
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Figure 19. Add Solder to Joint



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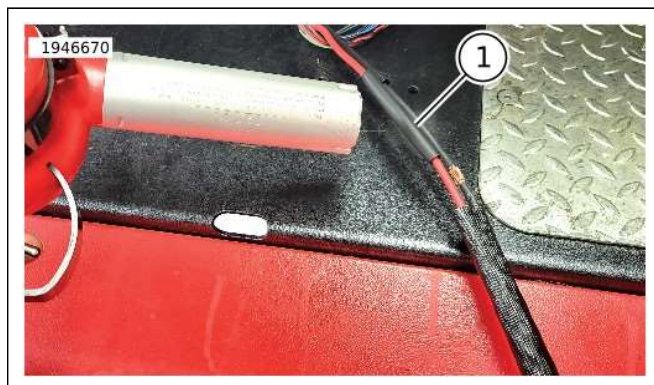
Figure 20. Heat Solder with Solder Tool



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Figure 21. Complete Solder Joint

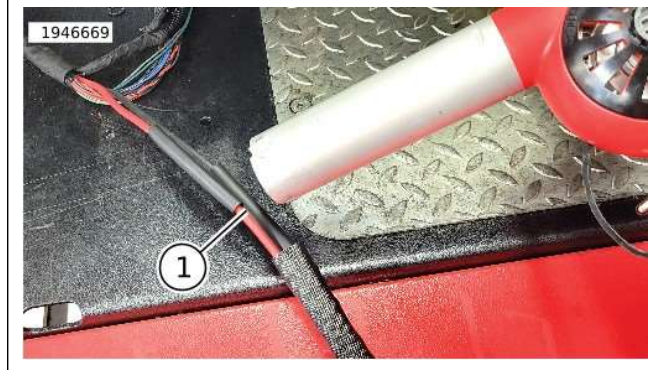
10. See [See Figure 22.](#) and [See Figure 23.](#) Apply heat shrink over the soldered wires.



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1. Heat shrinking red wire.

Figure 22. Heat Shrinking Red Wire



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1. Heat shrinking black wire.

Figure 23. Heat Shrinking Black Wire

11. Position voltage regulator wires with main harness loom and wrap with harness wrap from Recall kit (Part No. 69203711).
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.



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Figure 24. Anchored Cable Strap

16. See [See Figure 25](#), and [See Figure 25](#). Secure voltage regulator harness into position with cable strap around regulator harness and coolant pump harness in location shown.



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Figure 25. Tight Cable Strap



Figure 26. Loose 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.
7. Install left side cover.
8. Install left saddlebag.

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.

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

ITEM	DATA
Labor Time	0,3 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 0.3 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.