

System	Date of Issue	Bulletin Number	Bulletin Type
Odyne System G2V2	2/4/15 Rev. 10/6/15	00020	<input type="checkbox"/> Field Service Action <input checked="" type="checkbox"/> Technical Service Bulletin <input type="checkbox"/> Technical Service Advisory

Title: Elimination of AC Connectors J29a and J29b

Issue: Water intrusion in AC connector potentially causing fault codes 233, 150, 149 and 126.

Applies To:

1HTMMAAN5EH073771	1FVHG3DV6FHGE0054	1HTWGAAR9EH105253	3FRYX7FL0DV026106
1FVACXCY3FHGE4465	1FVHG3DV8FHGE0055	1HTWGAZR3FH617144	3FRYX7FL2DV026107
1FVACXDT0EHFU8251	1FVHG5CY0FHGE5872	1HTWGAZT0FH518065	3FRYX7FL2DV026110
1FVACXDT0FHGJ3519	1HTJTSKR9EH052340	2NKHHJ8X1EM418899	3FRYX7FL4DV026108
1FVACXDT4EHFZ4035	1HTMKAZN7FH567738	2NKHHJ8X4EM418900	3FRYX7FL5DV026103
1FVACXDT7FHGJ3520	1HTMKAZRXEH783343	3ALACXDT6EDFX9591	3FRYX7FL6DV026109
1FVACXDT8EHFU8241	1HTMMAAN0EH068235	3ALACYDT6EDFV2462	3FRYX7FL7DV026104
1FVACYCY0EHFX1130	1HTMMAAN0EH073774	3ALACYDT8EDFV2463	3FRYX7FL9DV026105
1FVACYCY8FHGE8002	1HTMMAAN2EH068236	3ALACYDTXEDFV2464	3HAMKAAR3FL127542
1FVACYDT0FHGA6457	1HTMMAAN2EH073775	3FRXF7FG5FV671211	3HAMKAAR5FL111908
1FVACYDT0FHGD3349	1HTMMAAN4EH068237	3FRXF7FJ6FV679474	3HAMKAARXFL127540
1FVACYDT0FHGD3352	1HTMMAAN4EH068240	3FRXF7FK6CV431150	3HAMKAZN5EL013882
1FVACYDT1FHGJ5835	1HTMMAAN6EH029178	3FRYF7FE1CV353245	3HAMMAAR2DL233150
1FVACYDT2FHGF2906	1HTMMAAN6EH068238	3FRYF7FE3CV353246	3HAMMMMN3FL522969
1FVACYDT4BDAY7502	1HTMMAAN6EH068241	3FRYF7FE8CV353243	3HAMMMMNXFL522970
1FVACYDT4FHGF2907	1HTMMAAN7EH073772	3FRYF7FEXCV353244	3HAWCAAR8FL690012
1FVACYDT6BDAY7503	1HTMMAAN8EH068239	3FRYF7FL1DV061076	3HAWKAZN7FL644465
1FVACYDT7EHFV5672	1HTMMAAN8EH068242	3FRYF7FL4DV061072	3HAWKAZN9FL644466
1FVACYDT7FHGA6455	1HTMMAAN9EH068234	3FRYF7FL6DV061073	3HAWNAZT6FL560823

The information in Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. Warranty Policy documentation determines Warranty coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Odyne Systems, LLC reserves the right to supersede this information with updates. The most recent information is available through Odyne on-line technical resources.

1FVACYDT7FHGD3350	1HTMMAAN9EH073773	3FRYF7FL8DV026101	3HAWNAZT8FL560824
1FVACYDT7FHGE2548	1HTMMAANXFH122187	3FRYF7FLXDV026102	
1FVACYDT8FHGJ5833	1HTMMAANXFH526106	3FRYF7FLXDV061075	
1FVACYDT9FHGA6456	1HTMMAAR1AH271521	3FRYX7FE0CV353234	
1FVACYDT9FHGD3351	1HTMMAAR3FH526161	3FRYX7FE2CV353235	
1FVACYDT9FHGE2549	1HTMMAAR4AH176726	3FRYX7FE6CV353237	
1FVACYDTXFHGX5834	1HTMMAARX9H133102	3FRYX7FE6CV353240	
1FVH65CY9FHGE5871	1HTWGAAR5EH105251	3FRYX7FE8CV353238	
1FVHCYC1FHGG7828	1HTWGAAR7EH095922	3FRYX7FE8CV353241	
1FVHCYCYXFHGG7827	1HTWGAAR7EH105252	3FRYX7FEXCV353239	
1FVHG3DV4FHGE0053	1HTWGAAR9EH095923	3FRYX7FEXCV353242	

Special Tools or Software Required:

Where Available	Type of Tool	Equipment Description
Local	Wire Crimper	NA
Local	Wire Stripper	NA
Local	Heat Gun	NA

Action: Eliminate AC connector and splice the circuit together.

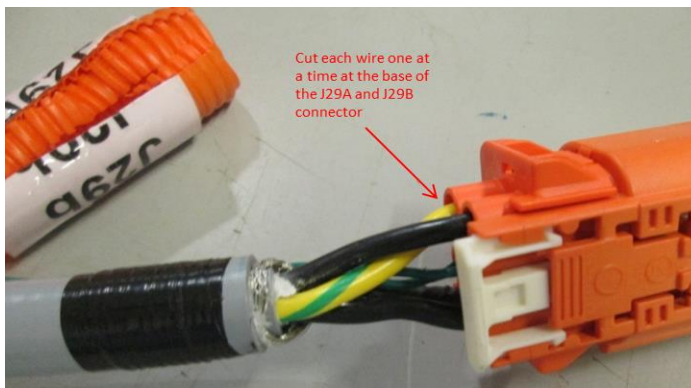
Service Procedure:

Before Starting Procedure: Remove key from ignition and secure in a safe place.

1. Locate AC connector J29A and J29B behind the cab.



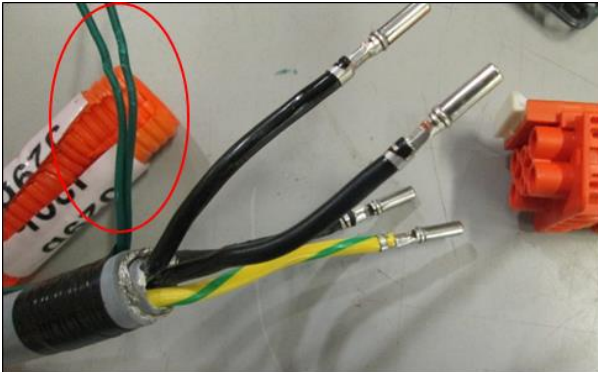
2. Remove zip ties that secure the AC compressor harness.
3. Cut each wire one by one on connectors 29a and 29b.



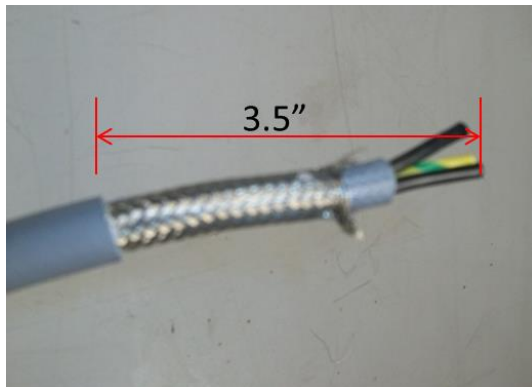
The information in Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. Warranty Policy documentation determines Warranty coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Odyne Systems, LLC reserves the right to supersede this information with updates. The most recent information is available through Odyne on-line technical resources.



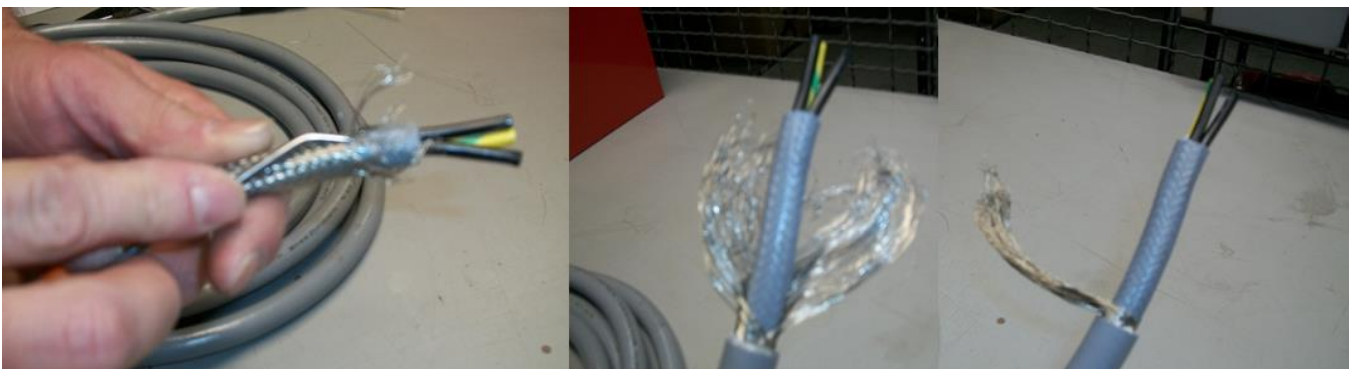
4. Splice together the two 22-18 gauge wires using the butt splice provided in the service kit.



5. After cutting the connectors from the harness, strip the outer layer of insulation 3.5 inches back from the end of the wires.



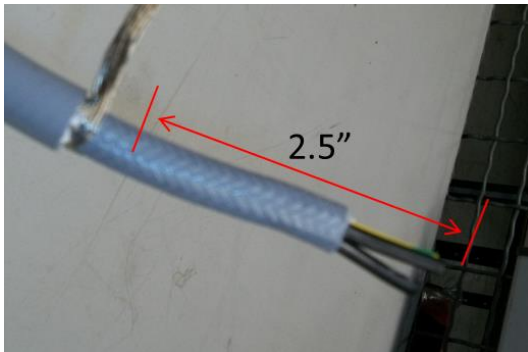
6. Using a mechanics pick carefully un-braid and then twist the grounding shield as shown in the pictures below.



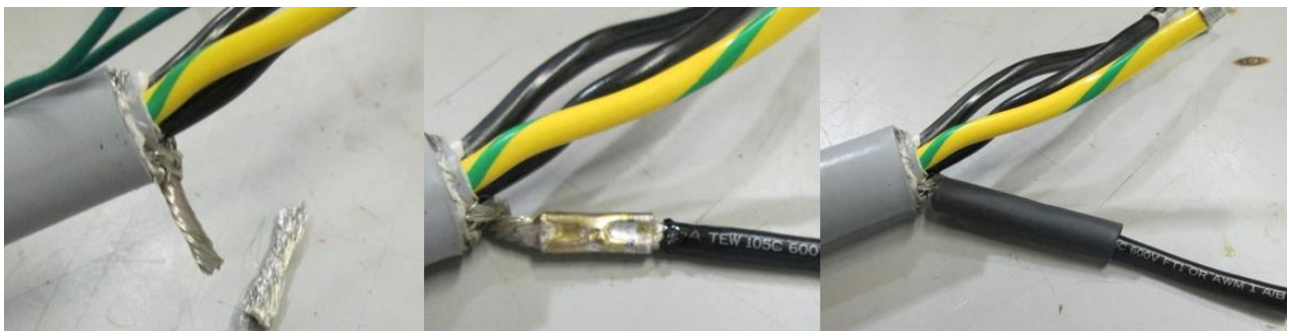
The information in Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. Warranty Policy documentation determines Warranty coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Odyne Systems, LLC reserves the right to supersede this information with updates. The most recent information is available through Odyne on-line technical resources.

- Strip the inner layer of insulation 2.5 inches back from the end of the wires, taking care to leave about 1 inch of inner insulation on the wires.

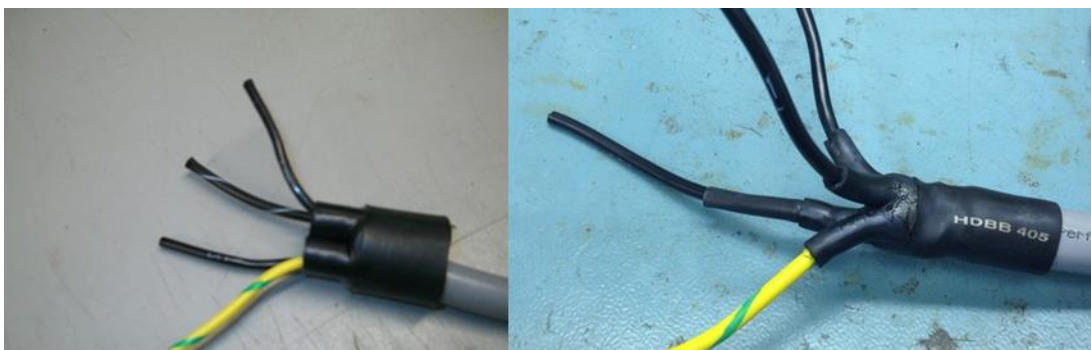
Note: Use caution not to nick the wires underneath.



- Cut the twisted grounding shield making sure about 1 inch remains. Then crimp on the 10 gauge wire using the butt-splice and install the heat shrink included in the service kit.



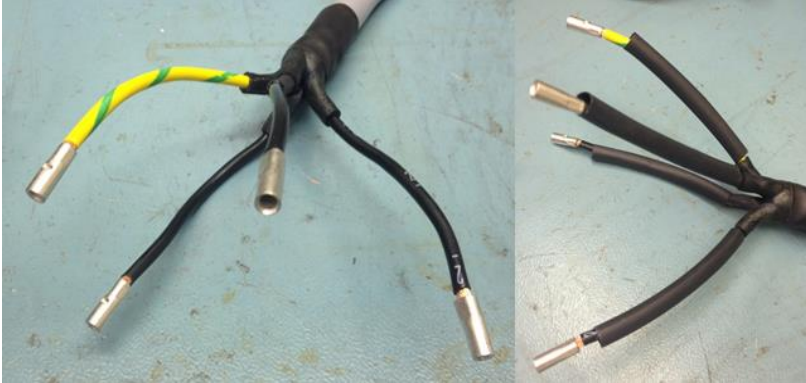
- Install the Four Way Moisture-Seal Cable Splitter over the wires, using a heat gun shrink it down around the wire.



- Repeat steps 5 - 9 on the other cable.

The information in Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. Warranty Policy documentation determines Warranty coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Odyne Systems, LLC reserves the right to supersede this information with updates. The most recent information is available through Odyne on-line technical resources.

11. On one end of the cable install a butt-splice and a piece of heat shrink on each of the wires after appropriate amount of insulation is removed.



12. Crimp the individual wires of each cable together and then center the heat shrink over butt-splice. Then heat and shrink the heat shrink over butt-splice.



13. Bundle and tape the wires together to protect from the elements.
14. Secure the harness in vehicle.

The information in Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. Warranty Policy documentation determines Warranty coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Odyne Systems, LLC reserves the right to supersede this information with updates. The most recent information is available through Odyne on-line technical resources.

Parts Required: (AC Service Kit #90006)

Part Number	Description	Qty
20351	Four Way Moisture-Seal Cable Splitters	2
20121	10 Gauge Wire	12 inches
20357	3/8 Glue Lined Heat Shrink	6
20358	1/4 Glue Lined Heat Shrink	1
20311	12-10 Gauge Butt Splice	6
20313	22-18 Gauge Butt Splice	1

Warranty Information:

Code	Description	Time
00020	AC Connector Service Kit	1.8 hr.

The information in Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. Warranty Policy documentation determines Warranty coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Odyne Systems, LLC reserves the right to supersede this information with updates. The most recent information is available through Odyne on-line technical resources.