



SAFETY RECALL BULLETIN

SUBJECT:			No: SR-16-001
SRS CONNECTOR CORROSION – SAFETY RECALL CAMPAIGN			DATE: February, 2016
			MODEL: 2014-15 Mirage
CIRCULATE TO:	<input checked="" type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input checked="" type="checkbox"/> SALES MANAGER

PURPOSE

If a driver enters the vehicle with his/her shoes covered with snow containing road salt, the carpet may become soaked when that snow melts. If the carpet becomes soaked in the area of the driver's foot rest, water containing road salt may contaminate a wiring connector terminal located in a junction box behind the kick panel to the left of the driver's foot rest. If this occurs, the connector terminal may corrode over time and cause several warning lamps to illuminate, including the SRS warning lamp.

If the SRS warning lamp is illuminated and the vehicle is subsequently involved in a collision requiring frontal air bag deployment, the timing of the frontal airbag deployment may be delayed.

This campaign bulletin instructs dealers to (1) inspect affected connectors, (2) replace any corroded connectors, and (3) install a waterproof PVC sheet between the connector and carpet to prevent potential future corrosion.

AFFECTED VEHICLES

Certain 2014-15 Mirage vehicles built between July 27, 2013 and September 2, 2015

IMPORTANT

Affected new or used inventory vehicles must be repaired before the vehicle is delivered. Dealers must check their inventory vehicles' VINs on the Warranty Superscreen to verify whether the vehicle is involved in this recall campaign. It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by the notification under a sale or lease until the defect or non-compliance is remedied.

CUSTOMER NOTIFICATION

A letter will be sent to all owners of affected vehicles telling them to contact their local Authorized Mitsubishi Motors dealer to have the connector inspected and/or replaced, and the waterproof sheet installed. A sample copy of the customer notification letter appears at the end of this bulletin.

REQUIRED EQUIPMENT

The following equipment is needed to read and erase DTCs from all ECUs:

- VCI (Vehicle Communication Interface) or VCI Lite – MB991824 or MB992744V.
- MEDIC Laptop/Tablet with A/C power adapter – 520924, or FZG1MK2.
- MUT-III main harness 'A' (blue connector at the DLC end) – MB991910 or MB992745V.
- USB 2.0 cable – MB991827 or RRAR1MBR-108L.

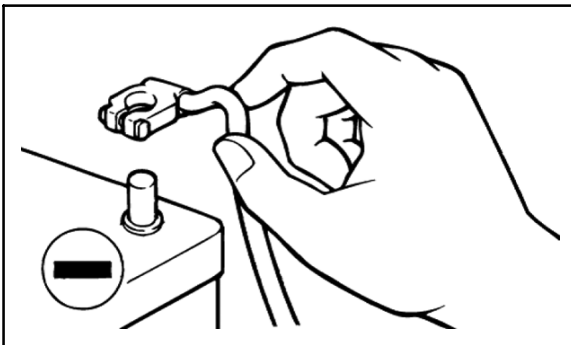
REQUIRED OPERATIONS

Before starting this campaign procedure, **CHECK THE WARRANTY SUPERSCREEN** to verify if the vehicle is an affected VIN for this campaign and this campaign procedure has not already been completed.

WARNING

- To avoid personal injury or death, on vehicles equipped with air bags, disable the supplemental restraint system before attempting any steering wheel, steering column, air bag, occupant classification system, seat belt tensioner, impact sensor, or instrument panel component diagnosis or service.
- Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental air bag deployment.
- At no time should any source of electricity be permitted near the inflator on the back of a non-deployed air bag. When carrying a non-deployed air bag, the trim cover or air bag cushion side of the unit should be pointed away from the body to minimize injury in the event of an accidental deployment.

REPAIR PROCEDURE



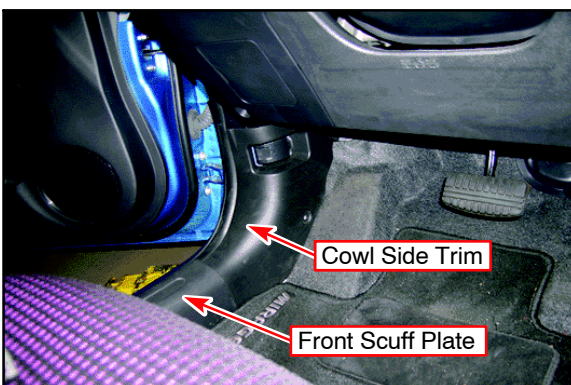
1. Record customer's radio presets.
2. Turn off IG and lighting switches.
3. Remove the negative (-) battery terminal.

NOTE: Some DTCs may be erased by removing the battery terminal.

WARNING

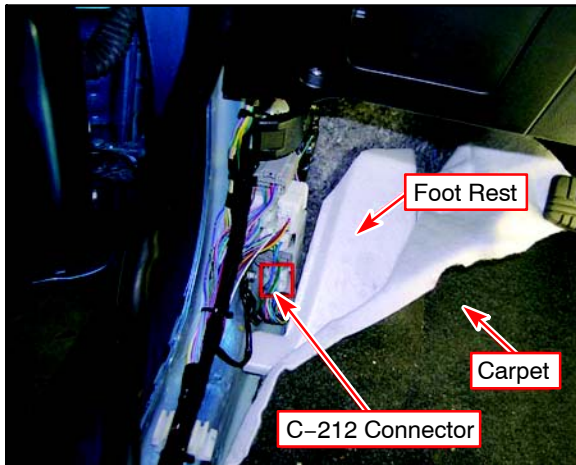
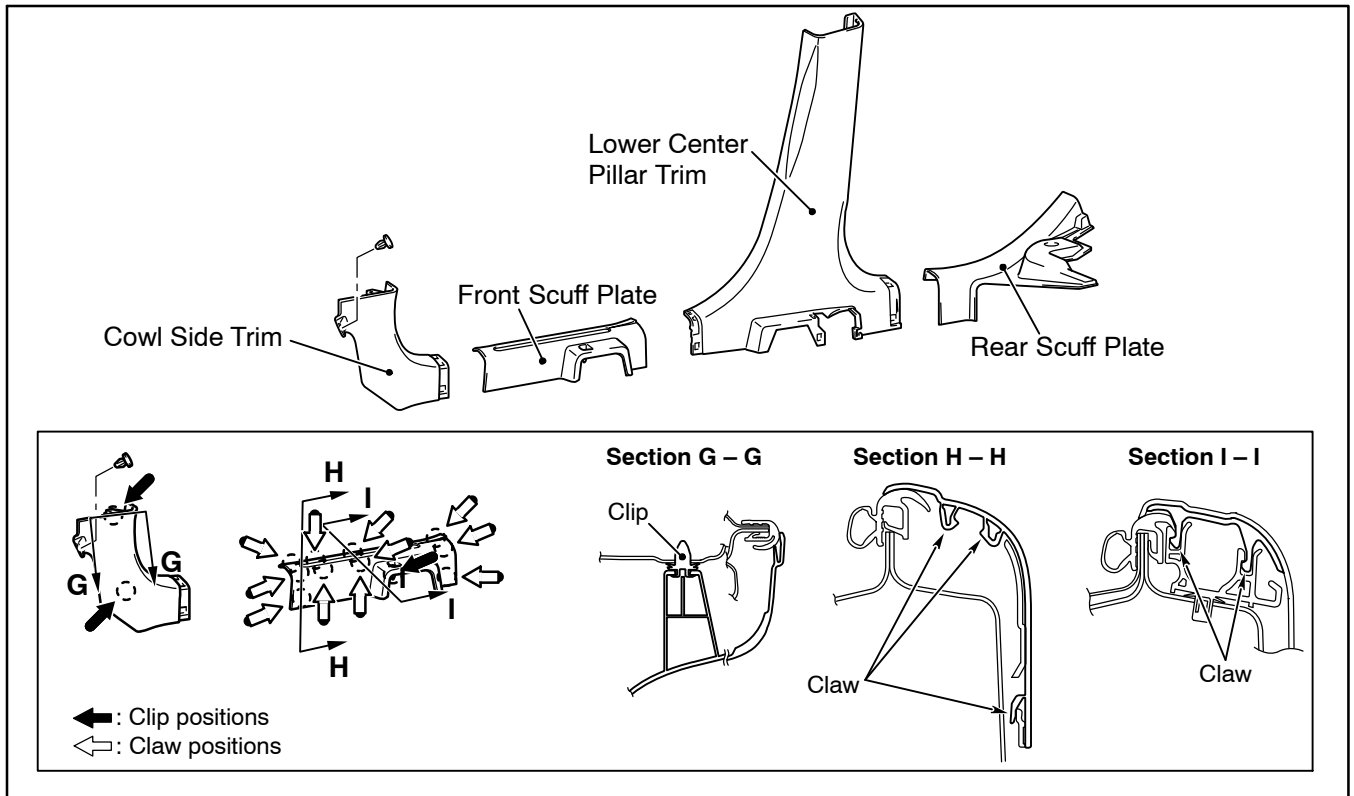
Be sure to turn off IG and lighting switches **BEFORE** removing the negative (-) battery terminal.

4. Preparation: Remove trim and carpet to gain access to the area near the driver's footrest.



- a. Remove the driver side front scuff plate.
- b. Remove the cowl side trim.

NOTE: Refer to the following illustration for location of clips and claws.

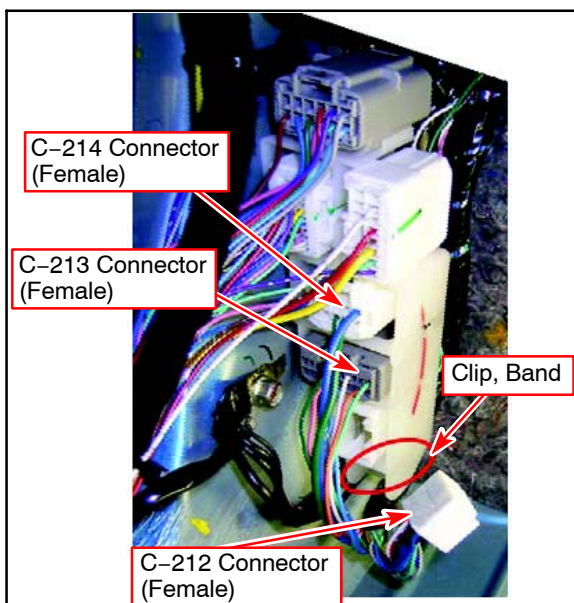
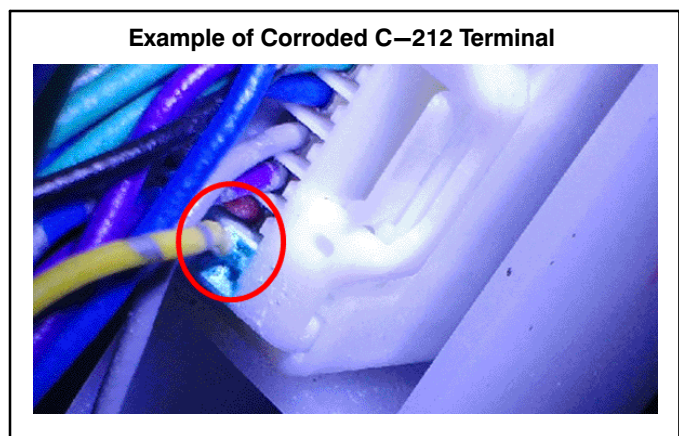
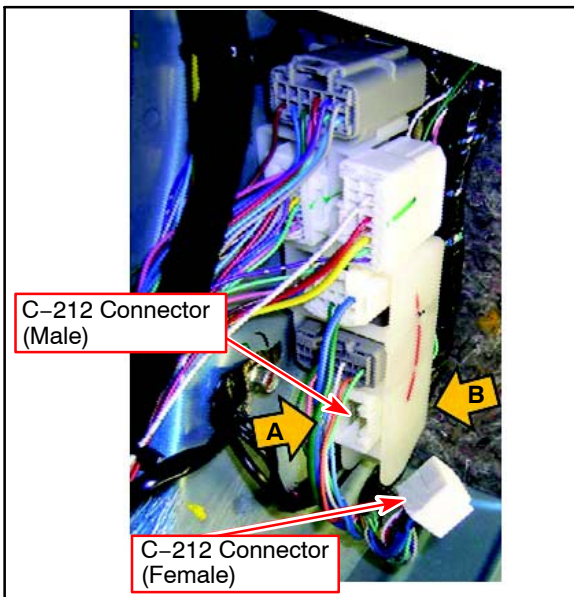


- c. Pull up and fold carpet over in order to access the connector block with C-212 Connector and footrest.
- d. Remove the footrest.

5. Inspect the condition of the C-212 connectors and terminals.
 - a. Disengage the C-212 female connector.
 - b. Check the condition of the connector and terminals to see if they are discolored, rusted, or corroded (see Example of Corroded C-212 Terminal).
 - c. Confirm condition of male connector from front (A) direction.
 - d. Confirm condition of male connector using an inspection mirror from the back (B) direction.

Does either connector show any discoloration or corrosion?

- **YES** – Go to step 6 and replace both male and female connectors.
- **NO** – **DO NOT** replace the C-212 connector. If the connector is **not** discolored or corroded – Reconnect the connector, then **go to step 11** to install the protective waterproof PVC sheet.



6. Disconnect the female connectors.
 - a. Disengage female side of the C-214 connector.
 - b. Disengage female side of the C-213 connector.
 - c. Cut the Clip, Band at the lower side of the connector block (the Clip, Band is not reused).

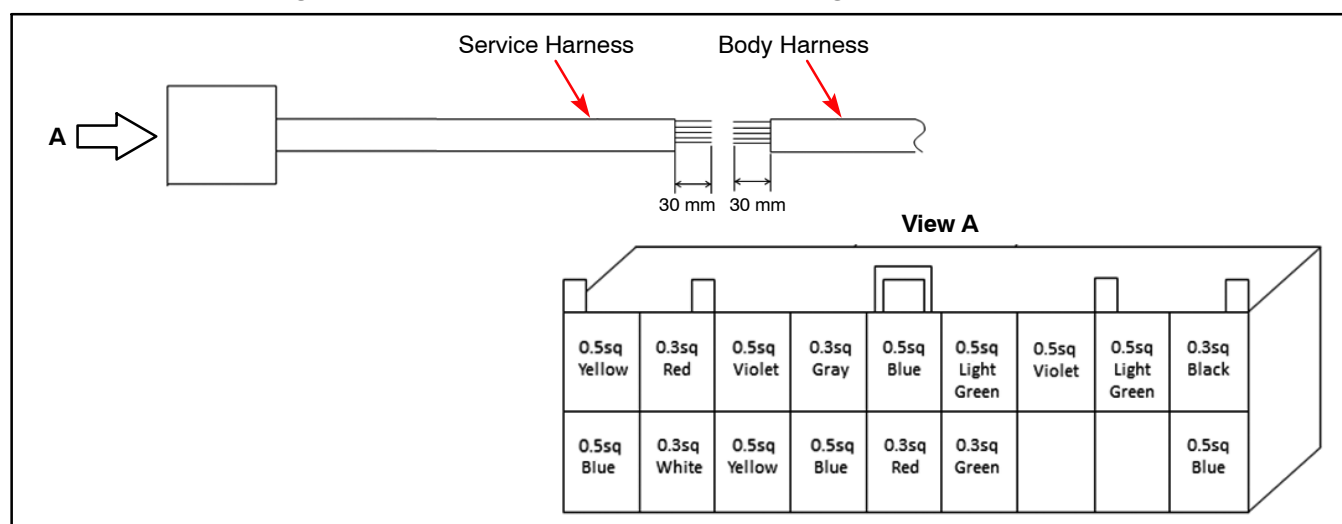
7. Replace the C-212 female connector (Harness, Sub 040-18F, from the Service Kit, P/N MW400198).
- Peel off the harness insulator (black tape wrap) in the area shown in the illustration (refer to “a” below).

CAUTION Be careful NOT to cut or damage any of the core strands when stripping off insulation.

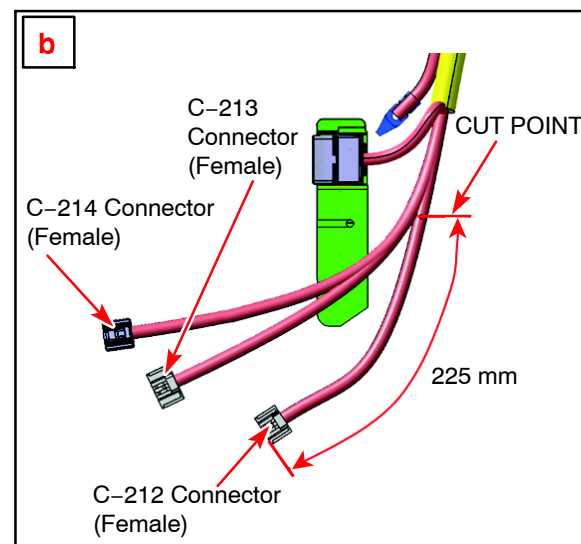
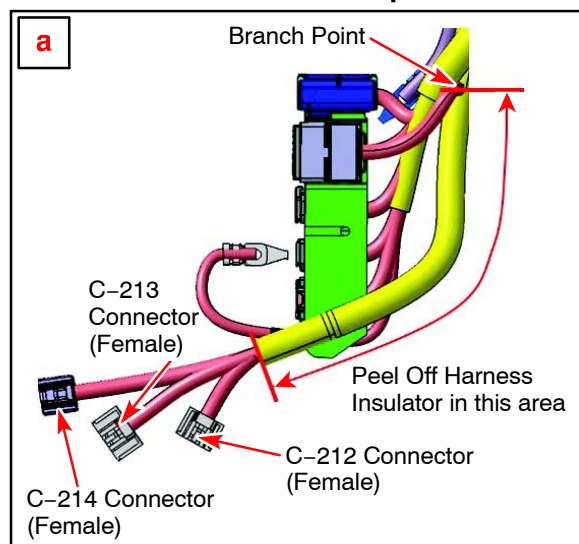
- Cut the body harness, **one wire at a time**, at the position of 225 mm from the C-212 coupler end (refer to “b” below), and connect the new wires of the same terminal positions.

CAUTION As there are multiple wires of the same color, be sure to cut and connect the wires **one at a time**, being careful to match the new wire of the service part to the correct existing wire of the body harness **one at a time**.

Refer to the following section “General Instructions: Joining Wires” for detailed instructions.

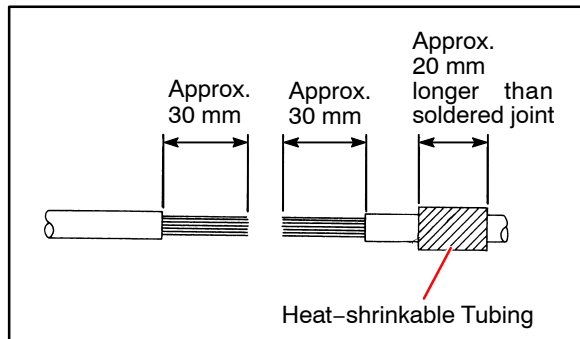


CAUTION Do NOT cut other harnesses, cut only the wires of the harness related to C-212 at the cut point shown.



NOTE: Unusable wires of the service harness (Harness, Sub 040-18F, from the Kit) should be isolated and taped together with the main branch.

General Instructions: Joining Wires – Soldering Method



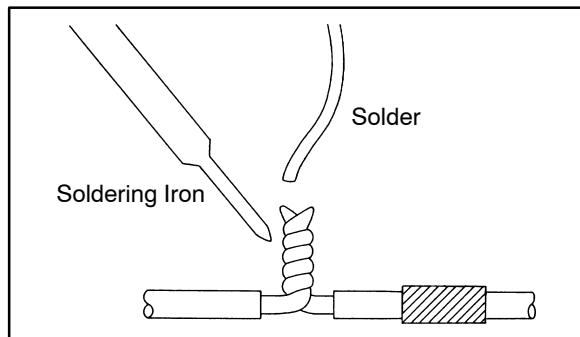
(1) Slide a piece of heat-shrinkable tubing over one of the wires, then strip the plastic insulation off the ends of both wires.

Heat-shrinkable tubing
MB991677
(inside diameter 4.2 mm)

Applicable Wire Size
1.25 or smaller

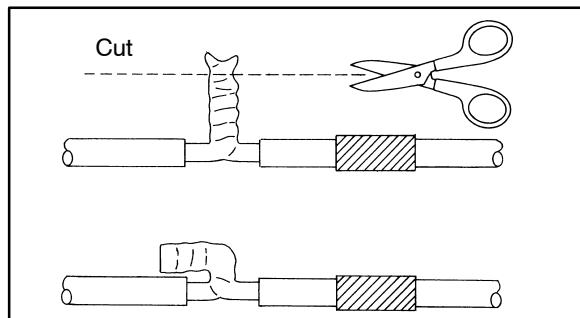
MB991678
(inside diameter 5.7 mm)

2 or larger

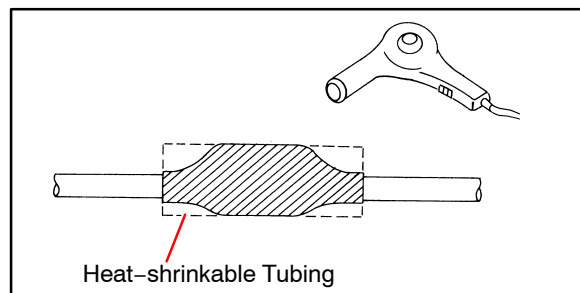


(2) Twist together the conductors of the wires, then solder the twisted part.

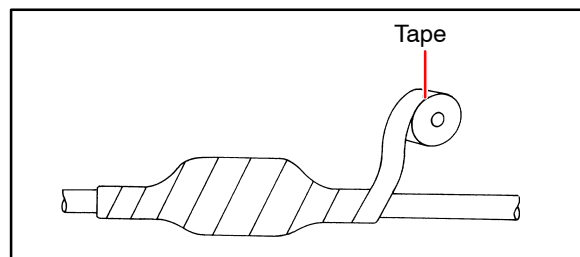
CAUTION: Solder the wires as quickly as possible. If the soldering iron is applied for too long, the heat could damage nearby components.



(3) Cut off the end of the soldered part with scissors, then cut off any protruding conductors. Next, bend the soldered part down alongside the wire.



(4) Slide the heat-shrinkable tubing over the soldered part, then use a heat gun heated to approximately 212°F (100°C) or higher. The tubing will shrink onto the joint.

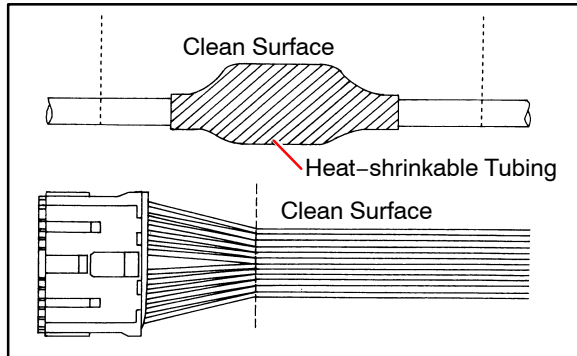


(5) Wrap the heat-shrinkable tubing with tape.

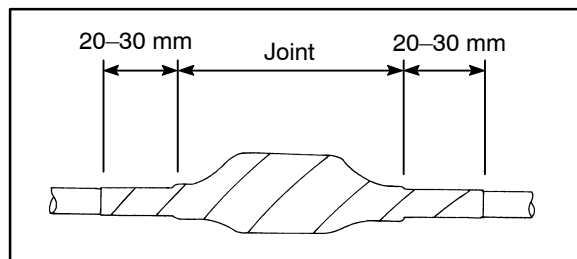
NOTE: Refer to the following section “Wrapping Joined Wires with Tape.”

General Instructions: Wrapping Joined Wires with Tape

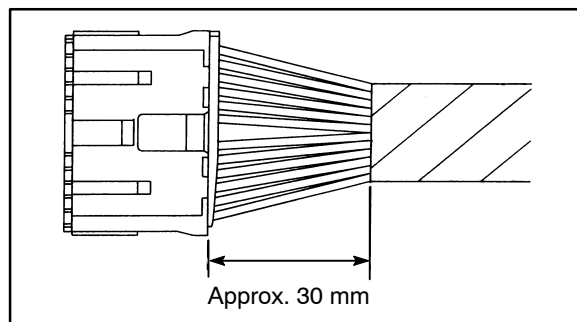
CAUTION: Make sure tape overlaps as it is wound, and the ends are securely affixed so they will not peel off later.



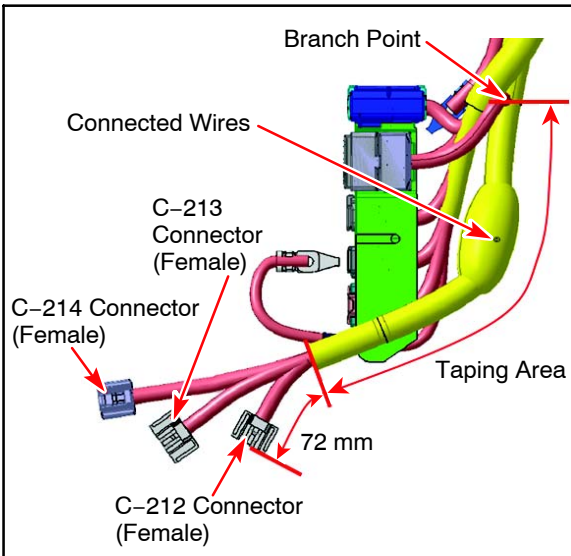
(1) Make sure the area to be wrapped is free of moisture, grease, and dirt.



(2) With a soldered or crimped joint, the tape should be wrapped 20 to 30 mm beyond the ends of the heat-shrinkable tubing.

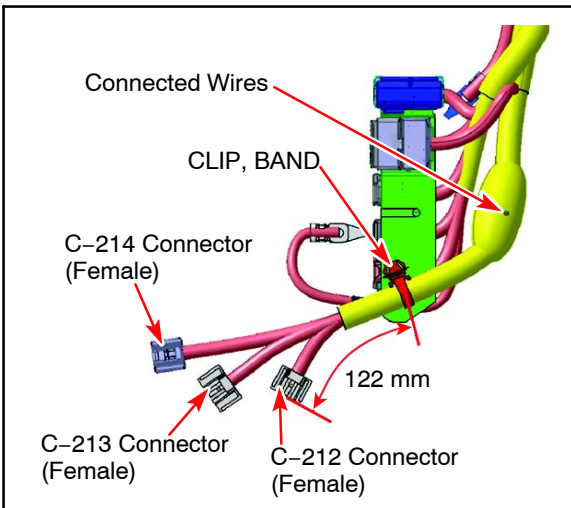


(3) When wrapping two or more wires together, start wrapping approximately 30 mm from the connector housing.



- c. Tape the entire length of the connected wires with Insulating Tape (from the Kit).

Refer to the preceding section “Wrapping Joined Wires with Tape.”

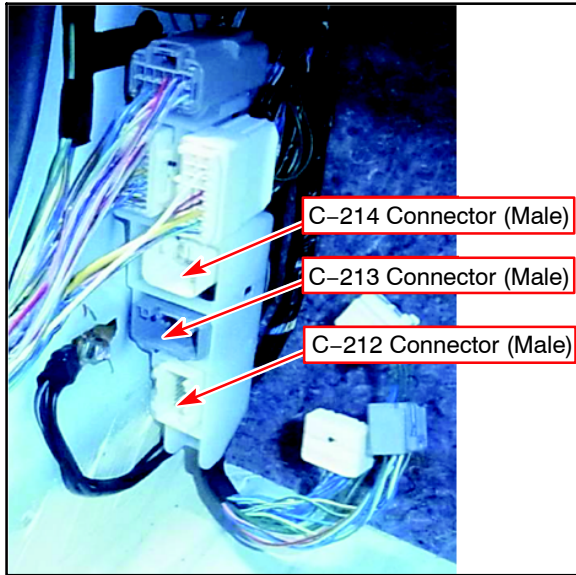


- d. Install a new Clip, Band (from the Kit) at the position of 122 mm from the C-212 connector end as shown.

Replaced Parts Retention and Return of Replaced Connectors:

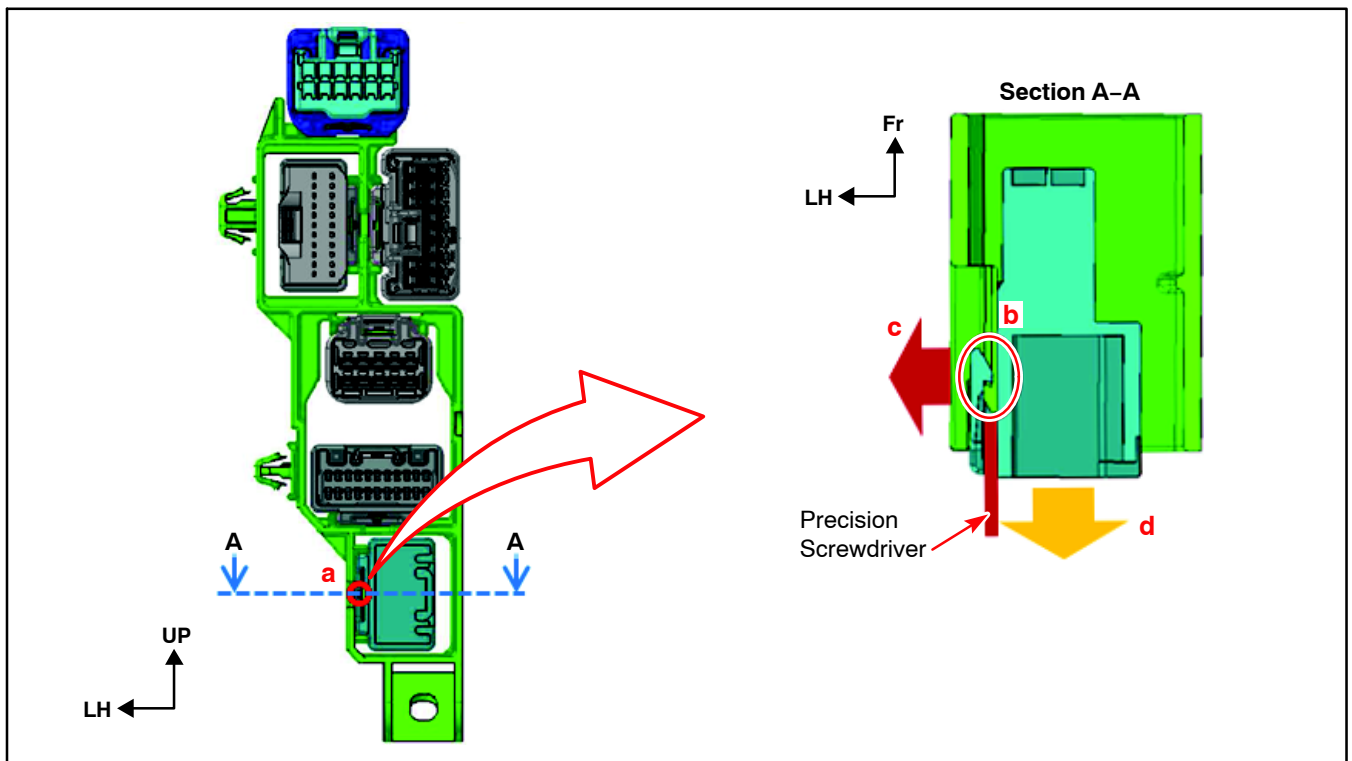
Retain **ALL** replaced parts. Claims for the replacement of the C-212 connector (Campaign Operation Number C1601A02) will generate a warranty parts return request letter within 1 day of the submission and payment of the campaign claim.

Follow the instructions and return the requested replaced connector to the address on the return letter. Determine the part's return cost in advance and claim the return freight charge on the campaign claim.



8. Disconnect the male connectors.

- a. Remove the C-212 male connector from the connector block as follows, referring to the illustration below:
 - (1) Insert a precision screwdriver into the “a” position shown below.
 - (2) Remove the lock “b” in Section A-A by moving it in the “c” direction.
 - (3) Pull the coupler to the “d” direction to remove it.



b. Remove the male connectors of C-213 and C-214 following the same directions above.

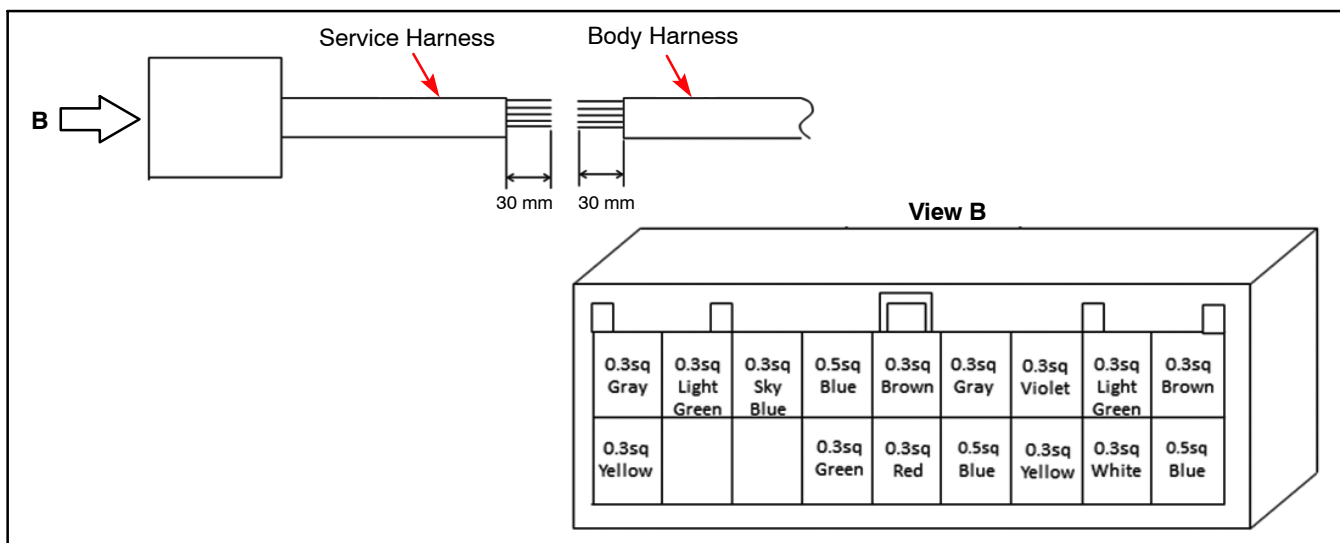
9. Replace the C-212 male coupler (Harness, Sub 040-18M, from the Kit).
 - a. Peel off the harness insulator in the area shown in the illustration (refer to “a” below).

CAUTION Be careful NOT to cut or damage any of the core strands when stripping off insulation.

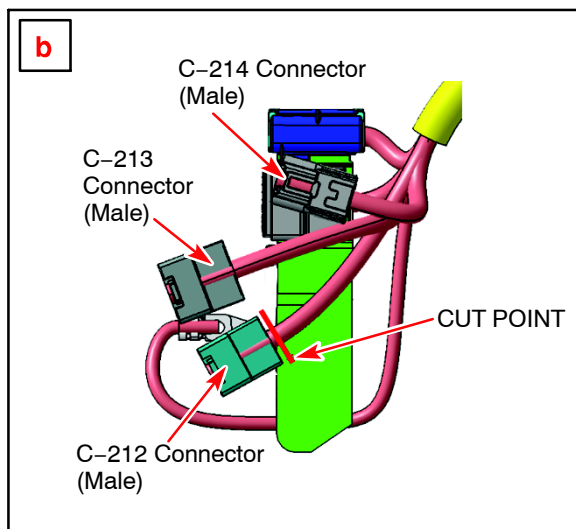
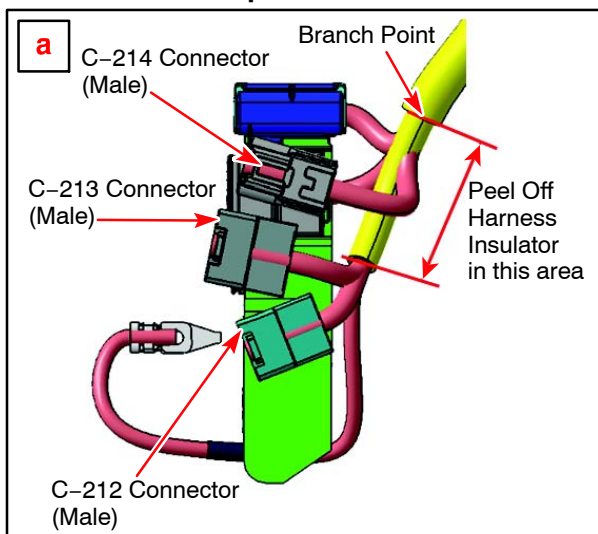
- b. Cut the body harness, **one wire at a time**, at the base position of the coupler end (refer to “b” below), and connect the new wires of the same terminal positions.

CAUTION As there are multiple wires of the same color, be sure to cut and connect the wires one at a time, being careful to match the new wire of the service part to the correct existing wire of the body harness one at a time.

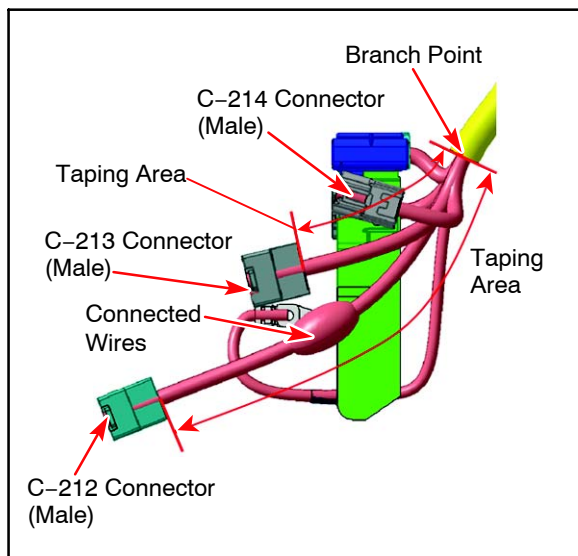
Refer to the section “General Instructions: Joining Wires,” earlier in this TSB, for detailed instructions.



CAUTION Do NOT cut other harnesses, cut only the harness related to C-212 at the cut point shown.



NOTE: Unusable wires of the service harness (Harness, Sub 040-18M, from the Kit) should be isolated and taped together with the main branch.



- c. Tape the area of connected wires with Insulating Tape (from the Kit).

Refer to the section “Wrapping Joined Wires with Tape,” earlier in this TSB.

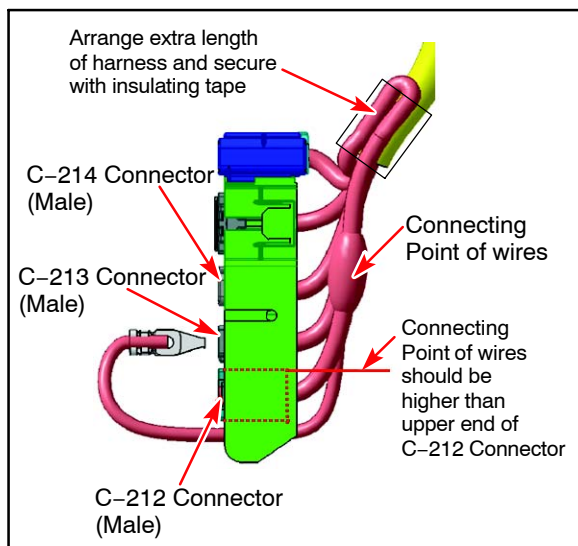
Replaced Parts Retention and Return of Replaced Connectors:

Retain **ALL** replaced parts. Claims for the replacement of the C-212 connector (Campaign Operation Number C1601A02) will generate a warranty parts return request letter within 1 day of the submission and payment of the campaign claim.

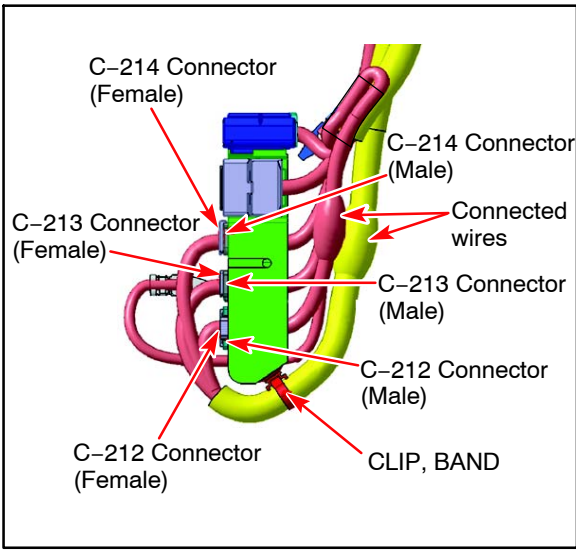
Follow the instructions and return the requested replaced connector to the address on the return letter. Determine the part's return cost in advance and claim the return freight charge on the campaign claim.

10. Install a new Clip, Band (from the Kit) and return connectors to their original positions.

- a. Place the removed connectors C-212, C-213, and C-214 back in the connector block.



- b. Arrange extra length of the harness as shown.



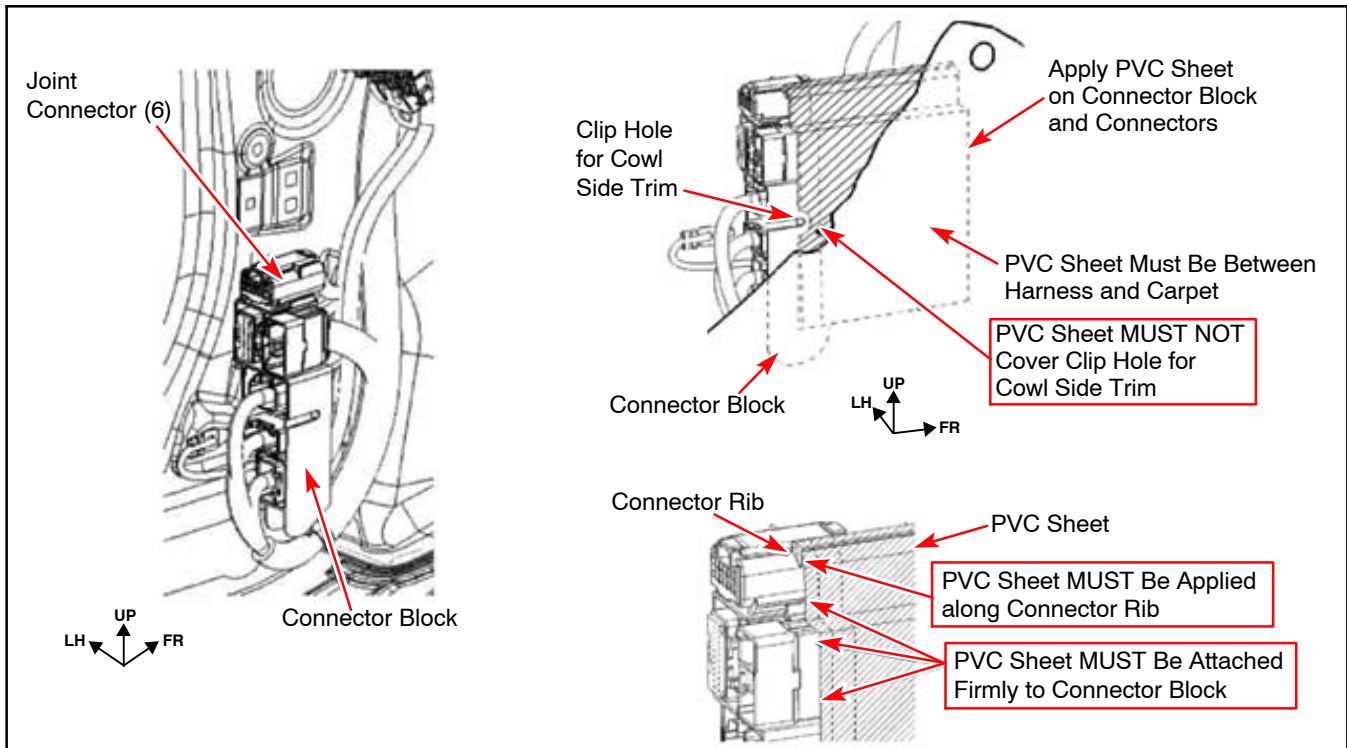
- c. Place the Clip, Band installed previously on the harness for the female C-212 connector in the connector block.
- d. Connect the C-212 connectors.
- e. Connect the C-213 and C-214 connectors.

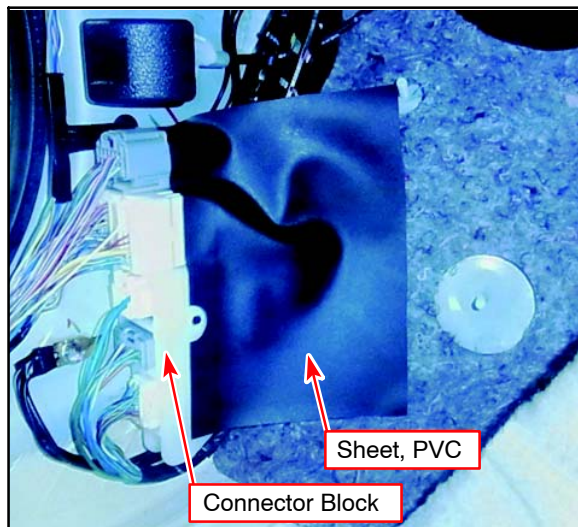
11. Install the waterproof PVC Sheet (from the Kit) to the connector block.

- a. Clean the surface of the connector block.
- b. Align PVC sheet along the connector rib of the connector block.

NOTE: Adjust the vertical position of the PVC sheet so as not to cover the clip hole of the cowl side trim.

NOTE: Make sure the PVC sheet is adhered firmly against the connector block rib so there is no gap or air space between.





Example of correctly installed PVC sheet.

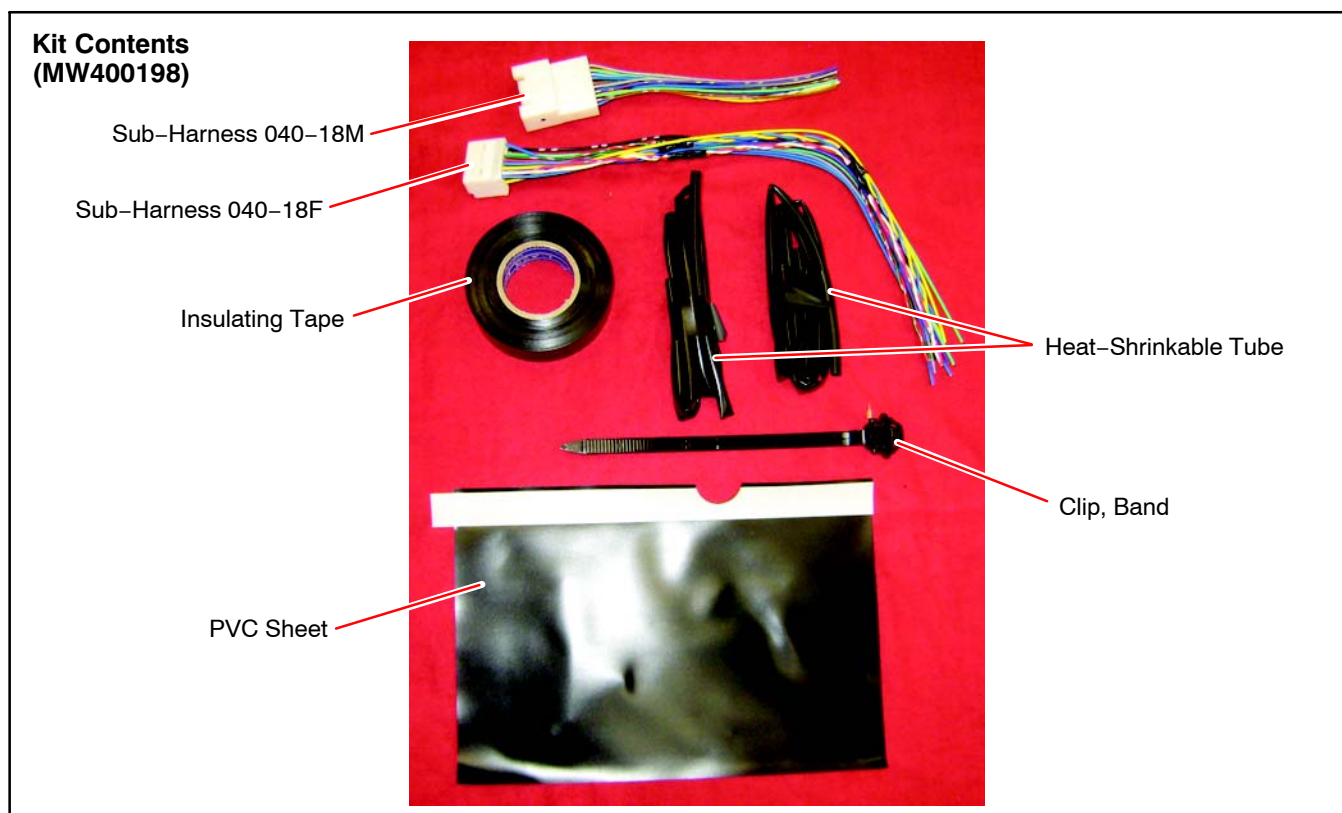
12. Connect the negative (–) battery terminal.
13. Confirm the following systems function properly.
 - a. Engine starts.
 - b. MILs are not illuminated when engine is running.
 - c. FOG lamps indicator light comes on.
 - d. ASC OFF switch functions correctly.
 - e. Using MUT–III, confirm that no DTCs are set.
 - If all systems function properly, go to the next step.
 - If ANY of the systems listed above do NOT function properly, there may be a wire connection error. Re–check all connections and repair the improper connection. Then check the systems listed above again.
14. Reinstall the footrest and carpet.

NOTE: Confirm that the PVC sheet is in the correct position between the carpet and the harness – carpet should NOT be touching the harness.
If carpet is contacting the harness, reinstall the PVC sheet to ensure carpet does not touch the harness.
15. Reinstall the cowl side trim and front scuff plate, in reverse order of removal.
16. Restore customer's radio presets.


PARTS INFORMATION

Use the genuine Mitsubishi Parts listed below.

Service Kit Number	Description	Qty
MW400198	Harness, Sub 040-18M	1
	Harness, Sub 040-18F	1
	Insulating Tape	1
	Heat-Shrinkable Tube (dia. 4.2 mm)	2
	Clip, Band	1
	Sheet, PVC	1



The PVC Sheet is also available as a separate service part.

	Part Number 8558B820	Description Sheet, PVC	Qty 1
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WARRANTY INFORMATION

There are 2 repair scenarios for this campaign number.

If involved in C1601A

Scenario #	Campaign Op#	Labor Time	Repair Description	Part Number
1	C1601A01	.4 hrs.	Inspect connector for corrosion = OK No corrosion found. Install the PVC sheet	8558B820
2	C1601A02	4.4 hrs.	Inspect connector for corrosion = NG Corrosion found - Replace the connector and install the PVC sheet	MW400198

Warranty/Recall Campaign Claim Information

Enter all claims as claim type 'C' – Recall/Campaign Claims.

Please follow the campaign instructions when entering each claim in order to select the applicable operation code that correctly matches up with the work that was actually performed. A claim example is provided below.

Certain 2014–2015 MY Mirage models.

Required Operation to be performed	Labor Operation	Labor Time
1. 2014-15 MY Mirage – Inspect Connector & install PVC	C1601A01	0.4 hrs.
2. 2014-15 MY Mirage – Replace Connector if corroded	C1601A02	4.4 hrs.

Claim Header Section:

MITSUBISHI DEALER LINK Service Warranty Warranty Claim Help

Claim Entry Vehicle Information

Campaign Information

Campaign Operation No: C1601A

Miles/Km: 15500

VIN: JA.....

Service Technician: []

Spec Value * [] Duplicate Recall *

Dealer: 99320 Ref No: [] VIN: []

Claim No: [] Adj: [] Claim Status: Incomplete Model and Year: []

Save & Continue Main Menu

Enter in the first 6 characters of the applicable campaign number: **C1601A**.

This campaign is for inspection and replacement if needed of the C-212 connector on certain 2014 and 2015 Mirage models. Check the Open Campaign area of the Superscreen each time to be certain of a vehicle's eligibility. Only VINS showing **C1601A** as open are involved.

After entering the required customer data, vehicle information, selecting the applicable repair campaign and scenario performed **(please note there are 2 possible repair scenarios for this campaign)**, and then hitting the **“Save & Continue”** button, the system will automatically fill-in several fields. See the Labor and Parts examples below.

Labor and Parts:

Labor:

There are 2 possible repair scenarios for this campaign. Inspect Only and Inspect and Replace. This campaign requires the C-212 terminal connector to be inspected and replaced if corrosion is found and a PVC sheet installed using a kit. If **no corrosion** is found, you still install the PVC sheet that is also supplied separately from the connector kit.

Scenario 1

Labor Op	Labor Operation Description	Qty	Hours / Sublet Amt	Total Hrs
C1601A01	Inspect Connectors = OK No Corrosion Install PVC Sheet	1	.4	.4

Scenario 2

Labor Op	Labor Operation Description	Qty	Hours / Sublet Amt	Total Hrs
C1601A02	Inspect Connectors = NG Corrosion Found	1	4.4	4.4

Parts:

1) Inspection – No corrosion: Use only the PVC sheet. Only part #8558B820 may be claimed.

	Delete	Part No	Part Description	Qty	Unit Price
1		8558B820		1	
2					
3					

2) Inspection – If corrosion is found: Use only the connector kit. Only kit part #MW400198 may be claimed.

NOTE: A PVC sheet is included in the connector kit.

	Delete	Part No	Part Description	Qty	Unit Price
1		MW400198		1	
2					
3					

Rental Cars and Return Freight Costs

If there is a need to provide the owner with a rental car, claim the applicable charges in this section of the claim on the lower portion of the labor entry screen. Also use this area to claim for return freight charges when returning requested replaced connectors.

Special Sublet Selection					
Select	Labor Operation	Labor Operation Description			Amount
<input type="checkbox"/>	SHO	SPECIAL HANDLING ORDER	SHO Parts Order		
<input type="checkbox"/>	RENTACAR	RENTAL CAR CHARGES	Days	Reason <Select one>	
			Rental Company	Invoice Number	
<input type="checkbox"/>	95300040	FREIGHT CHARGES	Freight Company	Invoice Number	
<input type="checkbox"/>	95200040	TOWING CHARGES	Towing Company	Invoice Number	

Replaced Parts Retention and Return of Replaced Connectors

Retain **ALL** replaced parts. Claims for the replacement of the C-212 connector (campaign operation number C1601A02) will generate a warranty parts return request letter within 1 day of the submission and payment of the campaign claim.

Follow the instructions and return the requested replaced connector to the address on the return letter. Determine the part's return cost in advance and claim the return freight charge on the campaign claim.



IMPORTANT SAFETY RECALL

Mitsubishi Motors North America, Inc.

6400 Katella Avenue
Cypress, CA 90630
Telephone: 714-372-6000
www.mitsubishicars.com

This notice applies to your vehicle, _____.

Date: February, 2016

Dear Mitsubishi Owner,

This notice has been sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

Reason for notice: Mitsubishi Motors North America, Inc. (MMNA) has decided that a defect which relates to motor vehicle safety exists in certain 2014 -2015 Mirage vehicles. If a driver enters the vehicle with his/her shoes covered with snow containing road salt, the carpet may become soaked when that snow melts. If the carpet becomes soaked in the area of the driver's foot rest, water containing road salt may contaminate a wiring connector terminal located in a junction box behind the kick panel to the left of the driver's foot rest. If this occurs, the connector terminal may corrode over time and cause several warning lamps to illuminate, including the SRS warning lamp.

In the event of a crash necessitating deployment of the frontal air bags when the SRS warning lamp is illuminated for this condition, the frontal air bags may have a delayed deployment, increasing the risk of injury.

What you should do: Please contact your local Authorized Mitsubishi Motors dealer and schedule an appointment to have the recall remedy performed on your vehicle free of charge. When you bring your vehicle in, please show the dealer this letter. (If you misplace this letter, the dealer will still make this inspection/repair to your vehicle.)

What your dealer will do: The dealership will install a waterproof sheet to prevent potential contamination and corrosion of the connector. The connector will also be inspected and, if any corrosion is found, it will be replaced with a new one.

How long will it take? The time needed for connector inspection and installation of the waterproof sheet is approximately **0.4** hrs. If the connector needs replacing, this repair is approximately **4.4** hrs. The dealer may need your vehicle for a longer period of time due to service scheduling issues, but every effort will be made to minimize your inconvenience.

If you experience any problem having your vehicle repaired promptly and/or at no charge, please inform us by calling the Mitsubishi Customer Relations Department at **888-648-7820**. Hours: Monday through Friday 7 a.m. to 4 p.m. (Pacific Time).

If, after contacting Mitsubishi Customer Relations, you still have a problem getting this repair made promptly and/or without charge, write to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue SE, Washington, D.C. 20590, or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153), or go to <http://www.safercar.gov>.

If you have already encountered a problem with corrosion of the connector as described above, and had it replaced as a result of this specific condition and have paid for the repair, you may send your original repair order or invoice, **and** original receipt/proof of payment to the following address for reimbursement consideration:

Mitsubishi Customer Relations Department, P.O. Box 6400, Cypress, CA 90630-0064

If you are the lessor of this vehicle, please forward a copy of this notice to the lessee within ten days to comply with federal regulations.

We appreciate your prompt attention to this matter.

Sincerely,

Mitsubishi Motors North America, Inc.

C1601A