



Wire Seal for Exposed Splice MRU

PI0825, Wire Seal for Exposed Splice

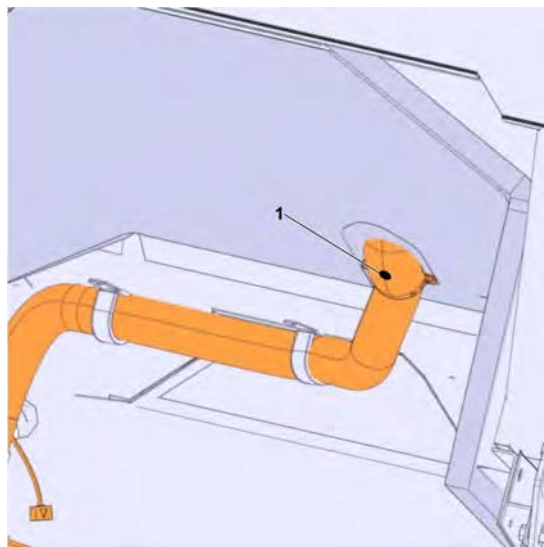
(October 2013)

Certain Mack MRU models, built between 10/12/12 and 4/19/13, may have an unsealed splice exposed to the outside environment. This may allow corrosion to occur to the engine control EMS supply, circuits F38A, F38A1, F38A2 and F38A3.

Inspection

Inspect the junction of the main cab harness pass through under the cab. The cab will need to be raised to gain access and to see this area.

- A. If word "OK" is present on the snorkel, then no further action is required.
- B. If word "OK" is **Not** on the snorkel, then proceed with repair procedure below.



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1. Location of word "OK"

Causal Part Numbers

21854420	21854421	21854422	21854423
21710667	21710668	21710669	20710670
21985365	21985366	21682353	

Order Information

If the vehicle is eligible, call 1-877-986-5862 and provide the following:

- 17 digit vehicle identification number (VIN)
- Program Number (PI0825)
- Dealer Code
- Purchase order information (PO number)

Required Parts

- 1 - 20469544 Cloth Tape
- 1- 22231295 Butyl Tape
- 1- 22232920 Splice Tape

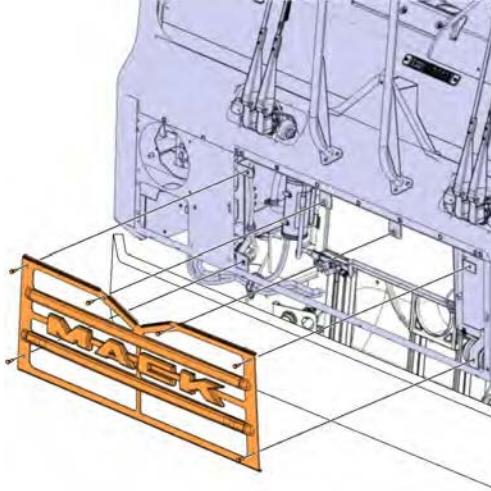
Repair Procedure

Note: Information is subject to change without notice.
Illustrations are used for reference only, and may differ slightly from the actual engine version. However, key components addressed in this information are represented as accurately as possible.

You must read and understand the precautions and guidelines in Service Information, Function Group 30, "General Safety Practices, Electrical and Electronics" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

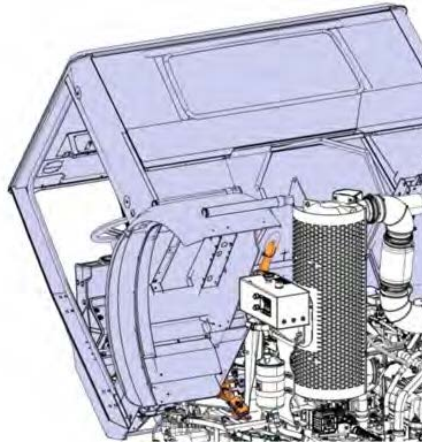
- 1 Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheel, and placing the transmission in neutral.
- 2 Disconnect all cables from the negative (ground) battery terminals to prevent personal injury from electrical shock and prevent damage to electrical components.

- 3 Remove the grille from the cab.



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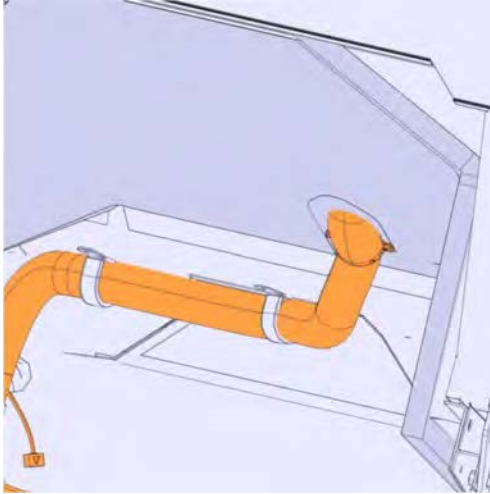
- 4 Secure any loose items within the cab.
- 5 Tilt the cab forward until the cab is hinged in the safety catch.



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- 6 Locate and remove the clamps securing the harness to the cab.

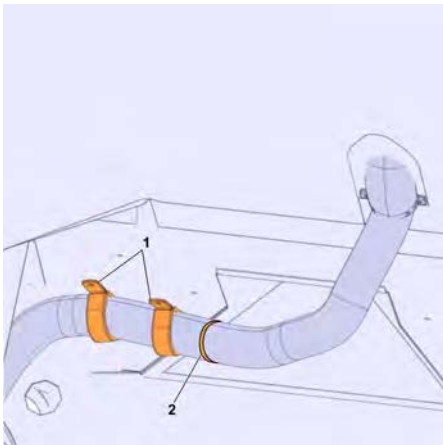
Note: Once removed, the harness can be loosened and re-worked.



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- 7 Measure 250mm (10 in) from the rear of the pass through and mark a line (2) at this distance.

Note: Use a light colored paint stick or white out.



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8 Remove the outer cloth tape.

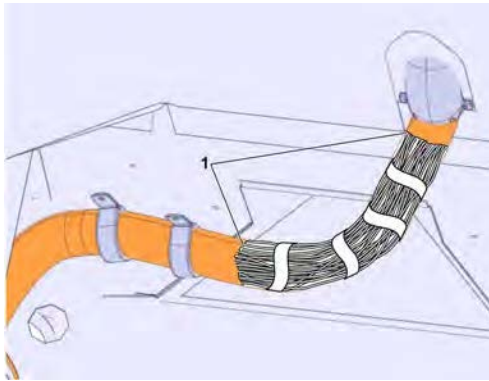
* Carefully cut a small hole in the harness tape at one end.

Note: Make the incision parallel with the wires.

* Using scissors carefully cut the full distance of tape previously marked in step 7.

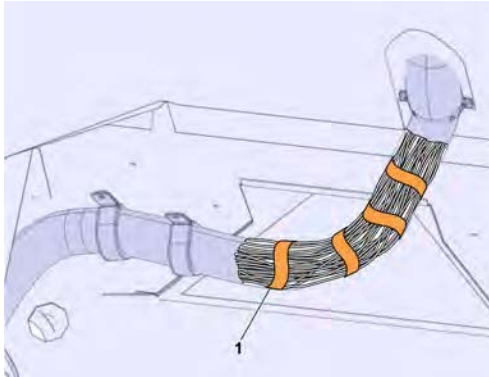
* Carefully unwrap the outer layer of tape (1), exposing all the wires.

Note: Avoid damaging any wire, otherwise further repair may be required.



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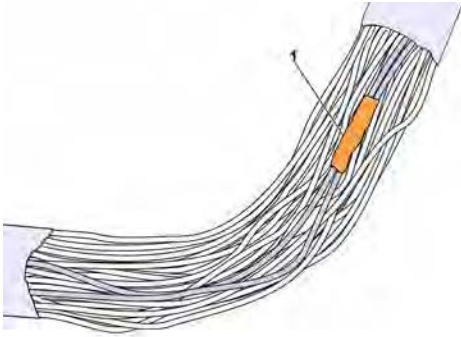
9 Remove the spirally wrapped vinyl tape (1) from the harness.



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10 Separate the wires and locate the (1) splice SPF38A.

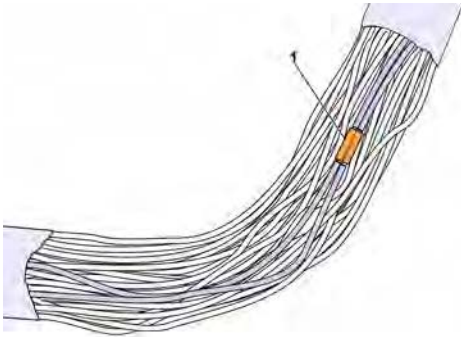
Note: The splice is located 150mm (6 in) from the pass through.



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11 Remove the tape and expose the splice (1).

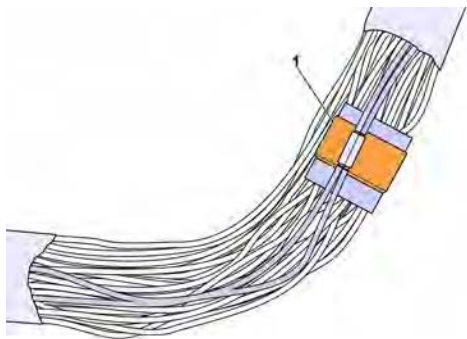
Note: Carefully unwrap the splice. **Do not** break the splice.



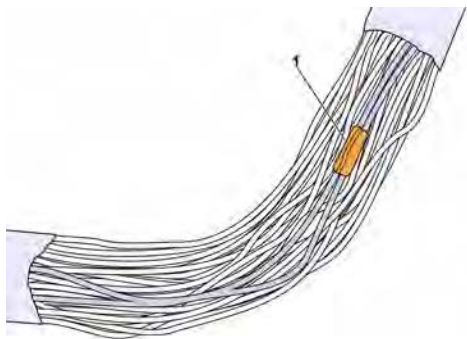
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12 Apply the butyl tape (1) part number 22231295 to the splice as shown.

Note: Ensure the entire splice is covered.



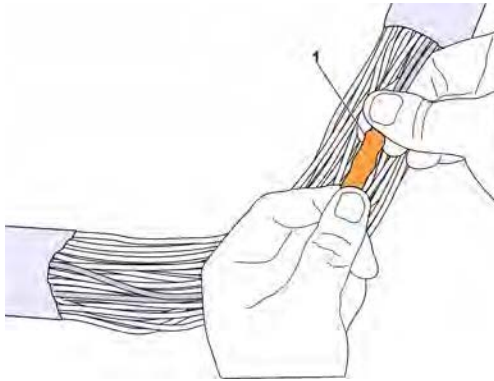
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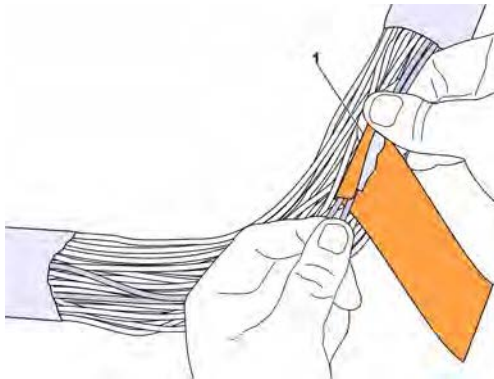
13 Once the butyl tape (1) is applied it needs to be extended or stretched over the entire splice.

Note: Apply pressure across the splice without breaking it and extend the butyl tape.



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14 Apply the splice tape (1) part number 22232920 over top of the butyl tape and wrap 2–3 turns until fully covered.
Cut approximately 80–100 mm (3 –4 in) of splice tape.

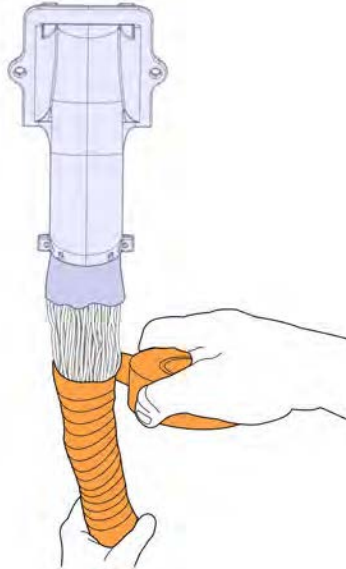


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15 Apply the cloth tape (20469544) to the harness.

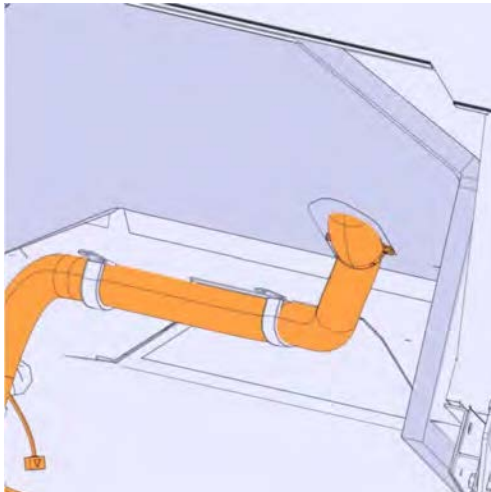
Note: While wrapping/taping, cover one third of the tape just laid with the new wrap until the entire length is covered in cloth tape.

Note: Avoid exposing any wires.



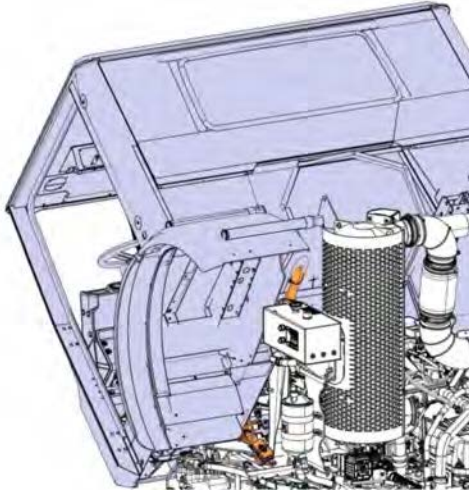
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16 Install the clamps securing the harness to the cab.



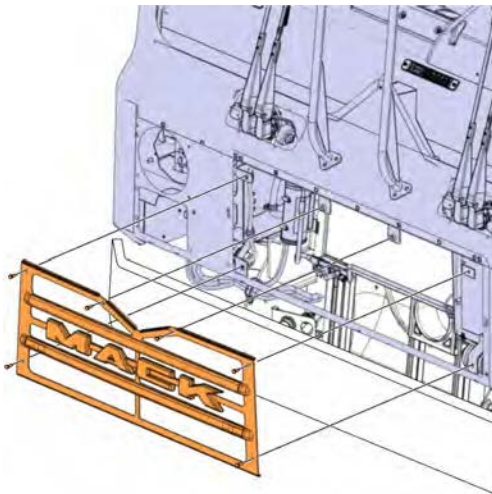
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17 Lower the cab.



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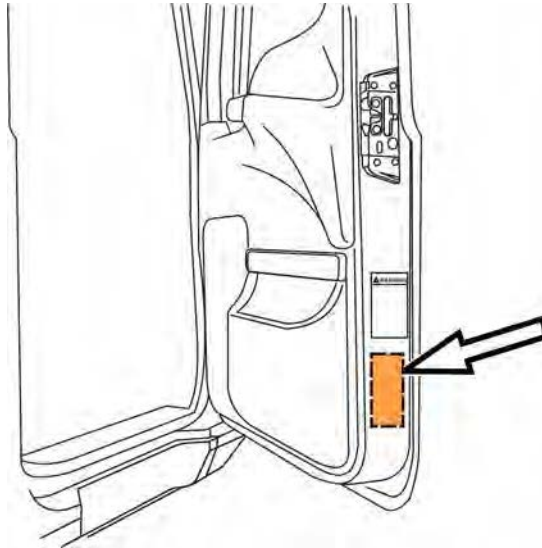
18 Install the grille.



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19 Install all the previously removed cables to the negative (ground) battery terminals.

Note: To signify that the campaign has been completed, using a permanent-type marker (such as a Sharpie®) write the campaign number (P10825) and completion date in the spaces provided on the Campaign Completion label located inside the cab as shown in the illustration below. If a label is not already affixed inside the cab, apply a label (part No. TS897) and supply the information as required. Campaign Completion labels are available in packs of 50 and can be ordered by faxing a completed BR313 to Pacesetters Business Services at 610-264-9465.



W8034103

Reimbursement

This repair is covered by an authorized Service Program. Reimbursement is obtained via the normal claim handling process.	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	B
Recall Status	
Vehicle inspected, repair not required	1- Inspected OK
Vehicle repaired per instruction	2- Modified per instruction
Labor Code	
Primary Labor Code (includes inspection time)	7241D-ZU-96 0.9 hours
Inspection Time	7241C-ZU-96 0.3 hours
Time to take charge and determine campaign status	101AA-0A-00 0.3 hours
Causal Part	See page 1
Parts Disposition	
Authorization Number	PI0825
Expiration Date	21 October 2014

Note: Take Charge Time is not included in the Labor Code for this operation. Take charge may be eligible but can only be used once per repair visit. If vehicle is having other warranty repairs performed, take charge should be charged to the warranty repair, otherwise take charge can be charged to this service program.