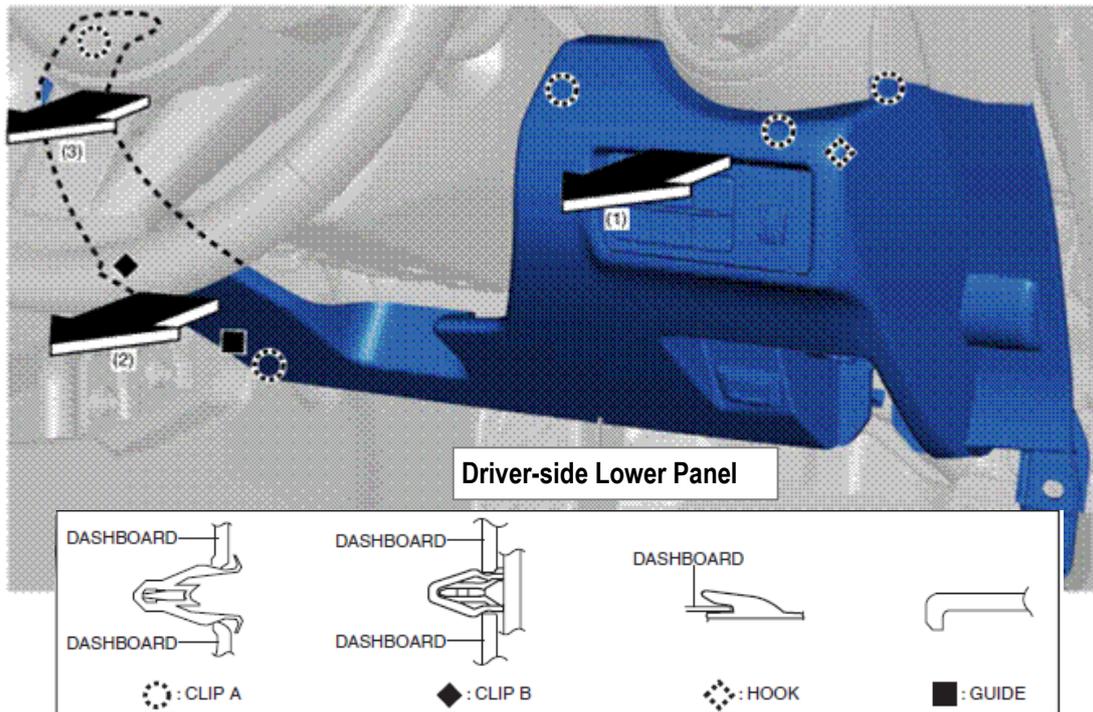


Subject: Engine will not start
(Engine can start if touching Push Button Start using Backside of Key)

REPAIR PROCEDURE FOR R.H.D. VEHICLES

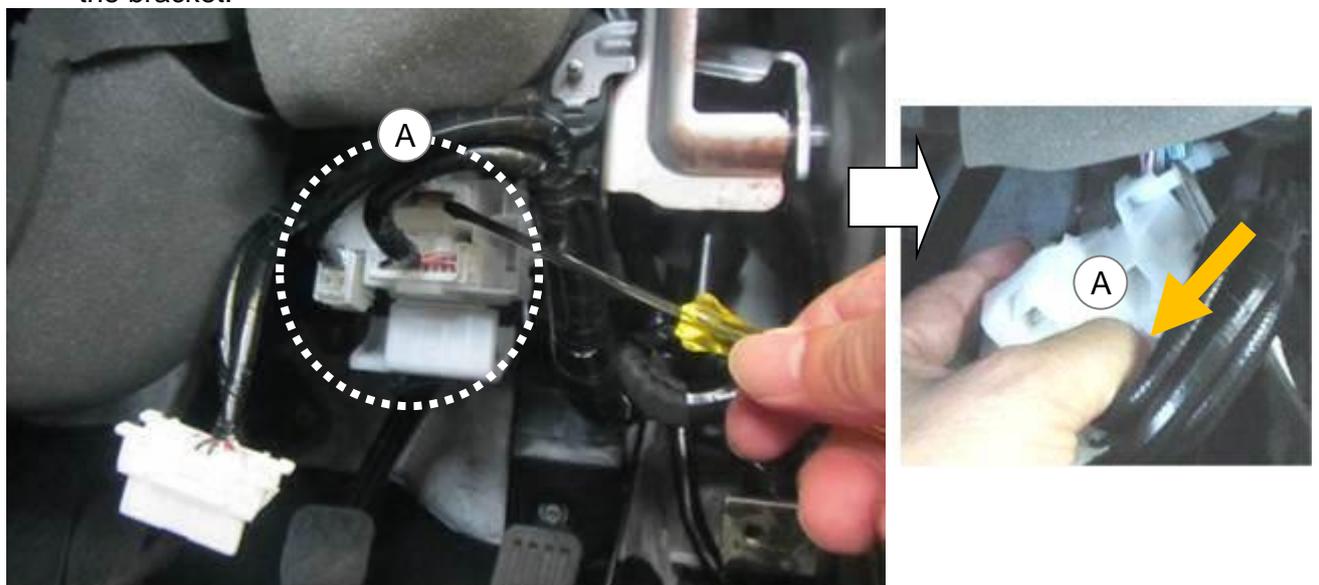
INSPECT and REPAIR C-16 CONNECTOR

1. Remove the driver-side lower panel according to the workshop manual “**DRIVER-SIDE LOWER PANEL REMOVAL/INSTALLATION**”.

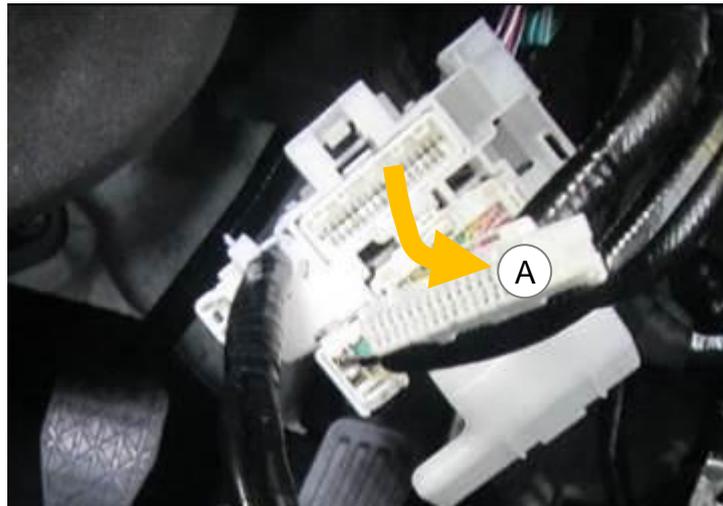


2. Remove the C-16 connector as shown.

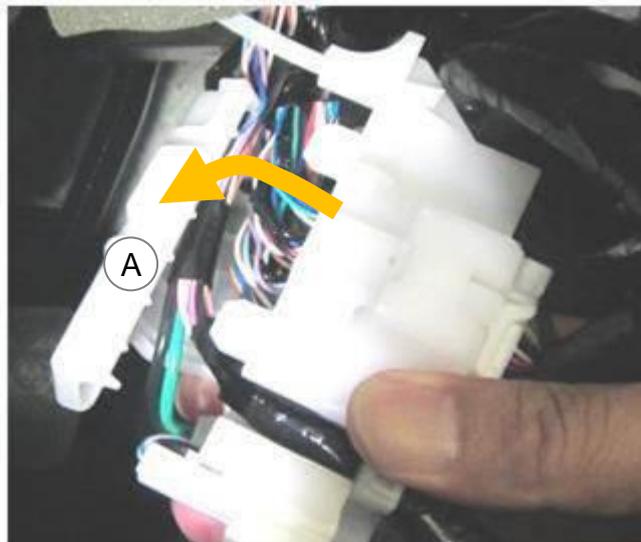
- 2.1. Pushing the lock with a flat-head screw driver, slide out the united connectors (A) from the bracket.



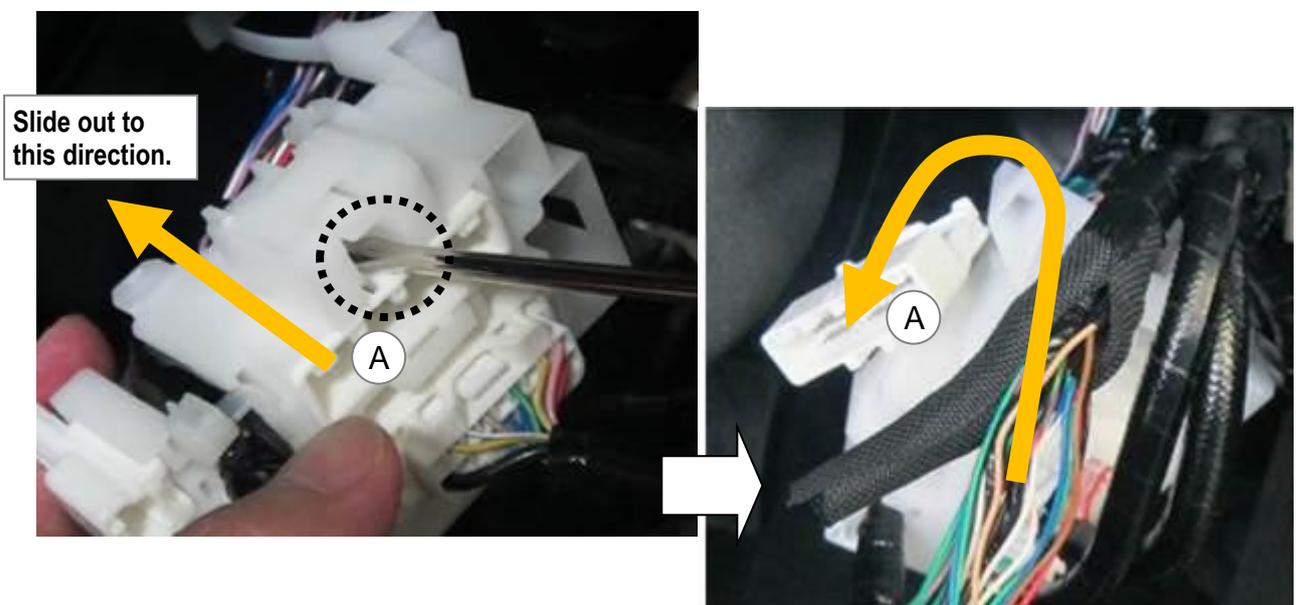
2.2. Remove the C-16 female connector (A).



2.3. Open the back cover (A) of united connectors.

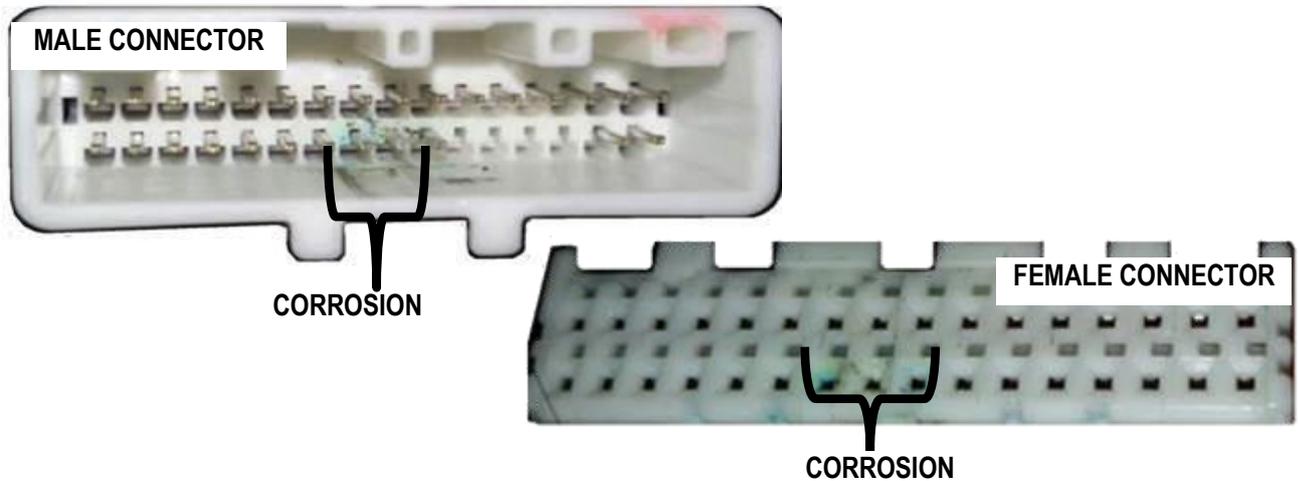


2.4. Pushing the lock with a flat-head screw driver, slide out the C-16 male connector (A).



3. Inspect terminals of the C-16 connector for any corrosion.

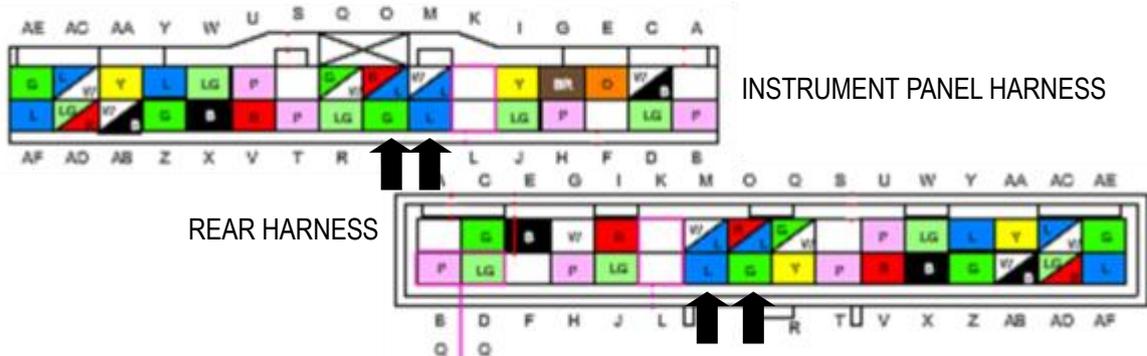
<Corroded Terminals Sample>



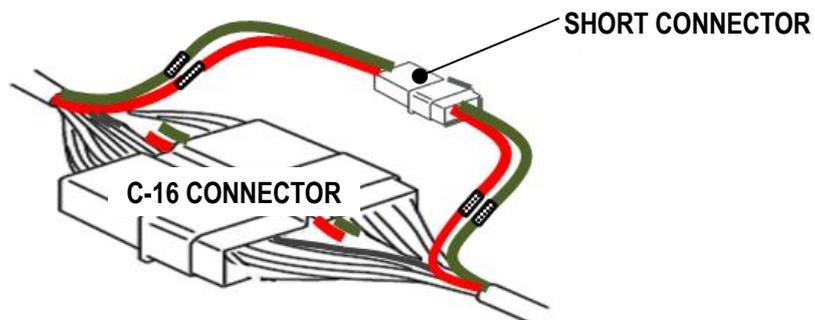
- If any terminal(s) is corroded, cut all the affected wires and connect them using a short connector from the repair kit. Go to step 4.

IMPORTANT:

If the problem symptom is “NO ENGINE START”, the two terminals (G-Green and L-Blue) indicated by arrows in figure must be corroded and thus need repair.



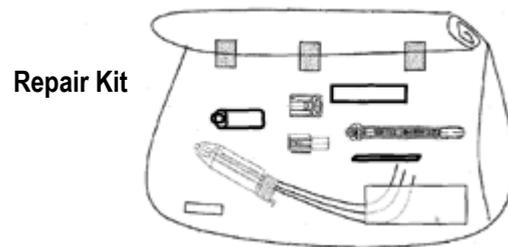
<AFTER REPAIR IMAGE>



- If no terminal is corroded, apply grease to the C-16 connector for water prevention and then fix it at a place where it will not receive water drop. Go to the step 5.

4. Cut the wires with corroded terminals and connect them using a short connector according to the following steps.

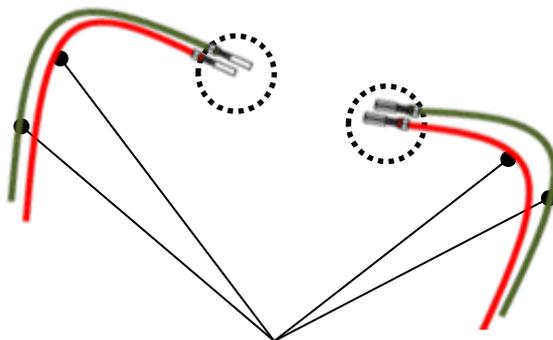
NOTE: This repair uses the repair kit which includes the following parts.



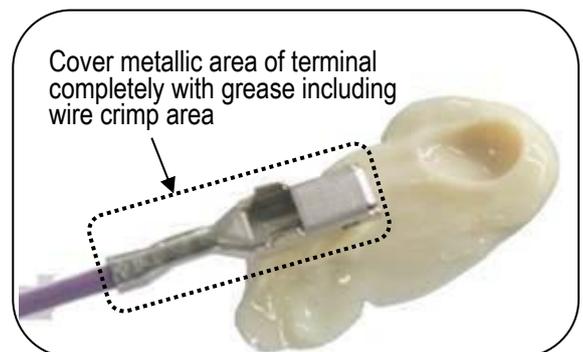
No.	DESCRIPTION	Pcs.	FIGURE
1	Short Connector (8-pin)	3	
2	Short Wire with Female Terminal (8 colors X 3)	24	
3	Short Wire with Male Terminal (8 colors X 3)	24	
4	Heat Shrink Tube	48	
5	Grease (30 ml)	1	
6	Plastic Tie Strap	5	
7	Urethane Pad (3 mm X 100 mm X 150 mm)	2	

NOTE: This procedure explains when two terminals are corroded as a sample.

- 4.1. Apply the grease (in Repair Kit) to terminals of short wires (in Repair Kit) as shown.

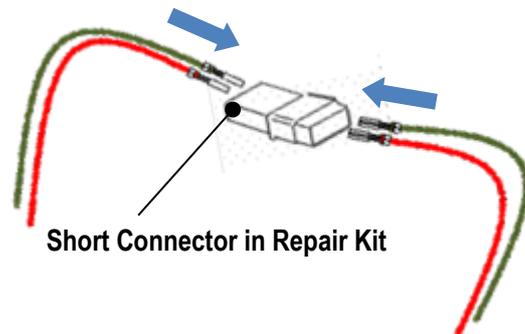


Short Wires in Repair Kit

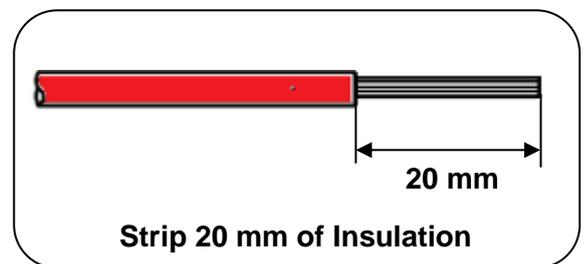
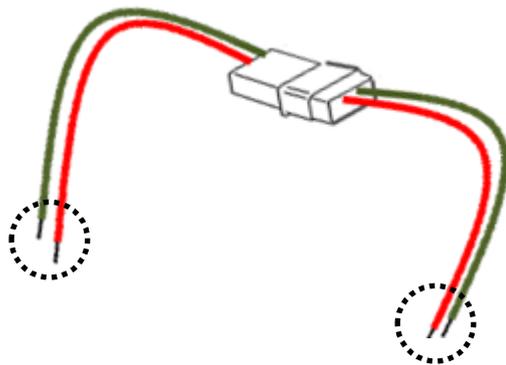


Cover metallic area of terminal completely with grease including wire crimp area

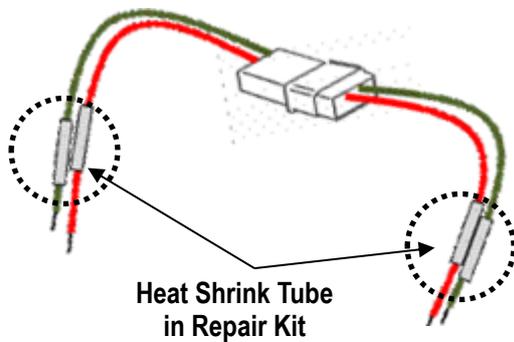
- 4.2. Install the terminals into the short connector (in Repair Kit).
NOTE: Be sure to insert the terminal until it locks securely.



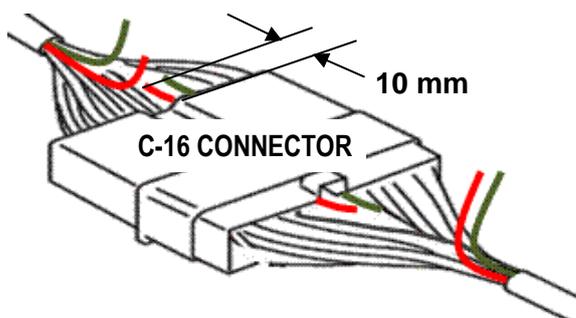
- 4.3. Strip 20mm of insulation from the ends of short wires.



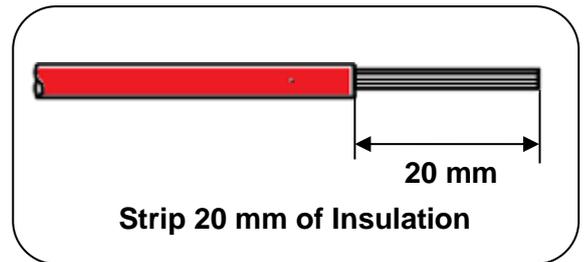
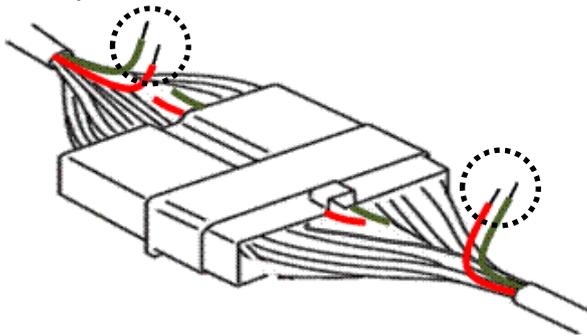
- 4.4. Pass the short wires through the heat shrink tubes (in Repair Kit).



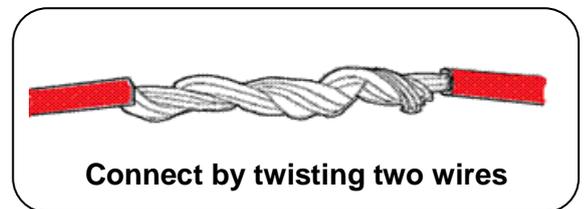
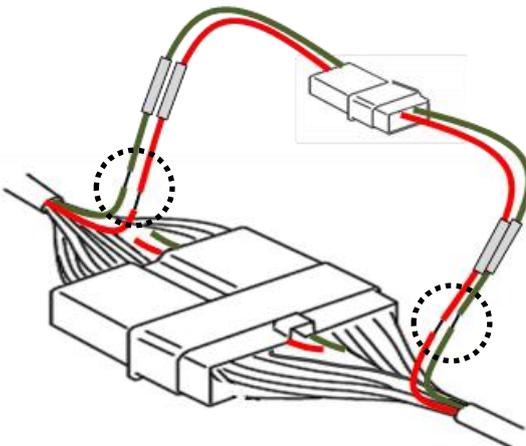
- 4.5. Cut wires of corroded terminal(s) of C-16 connector 10 mm from the terminal.



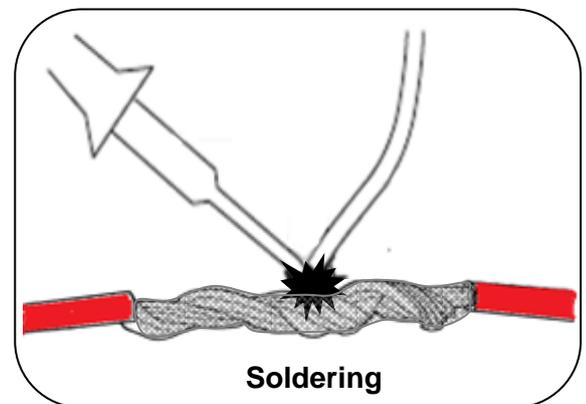
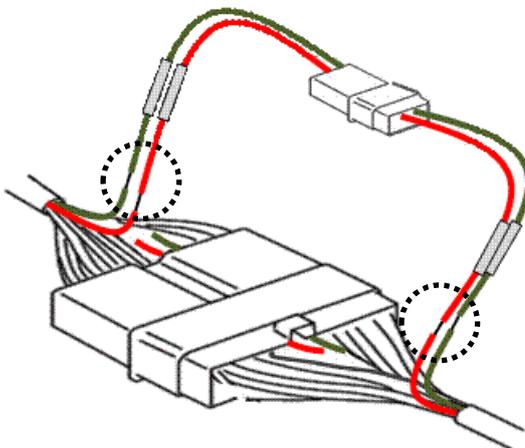
- 4.6. Strip 20 mm of insulation from the ends of wires of the vehicle harness.



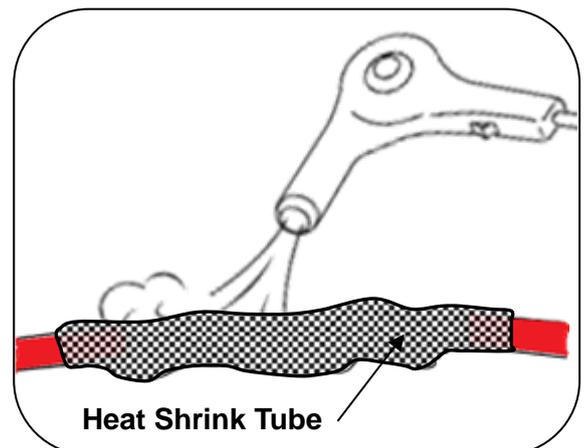
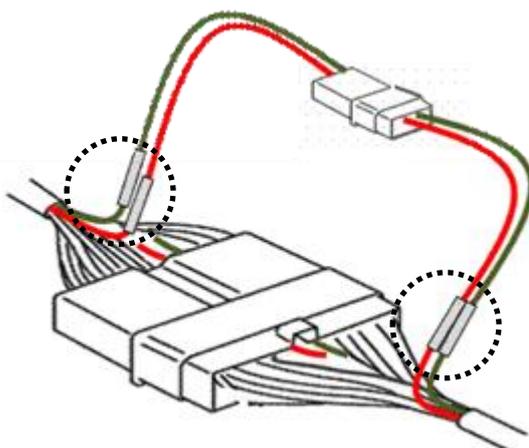
- 4.7. Connect the wires from the vehicle harness and the short wires by twisting them together.



- 4.8. Solder the twisted wires together, spreading the solder out across the entire twisted wires.



- 4.9. Place the heat shrink tube over the center of the soldered area. Using a heat gun, apply heated air until the tube shrinks securely over the soldered wires.



- 4.10. Wrap a piece of tape around the short wires and note the Ref. No. of this SI on it in order to inform about this modification in case of future repairs.



5. Apply the grease (in Repair Kit) to the C-16 connector as shown.
NOTE: The connector shown in figures is not exactly the C-16 connector and is for explanation purpose only.

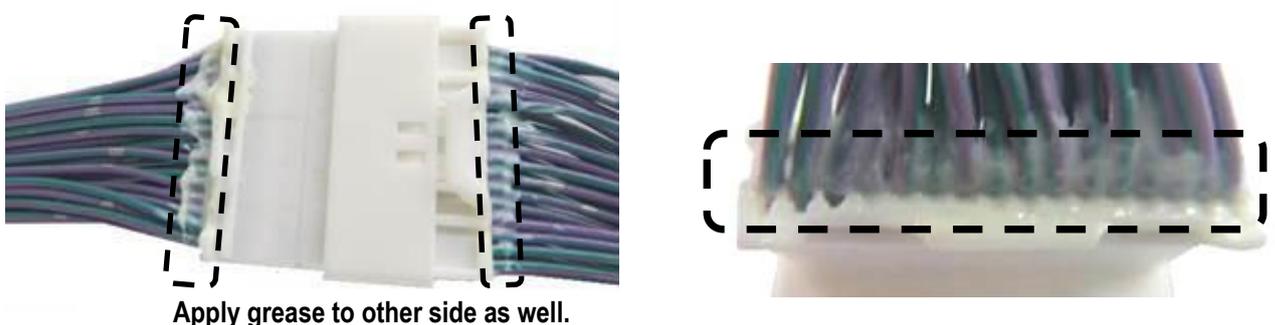
- 5.1. Apply the grease to all terminals of the C-16 male connector.



- 5.2. Connect and disconnect the C-16 connector for several times so the grease can spread and adhere well to all the terminals.

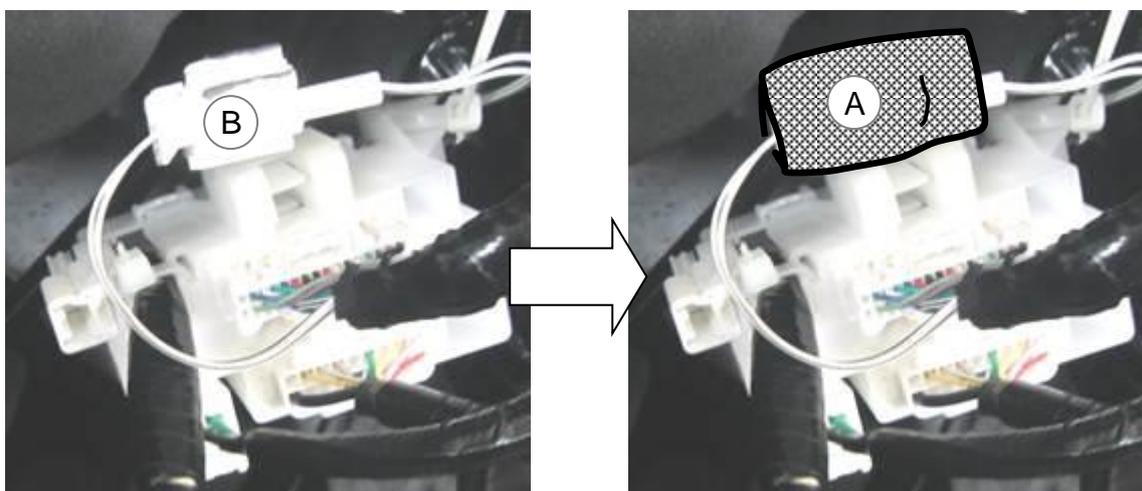


- 5.3. Apply the grease to the back side of the C-16 connector as shown.
NOTE: Wipe off any excess grease.

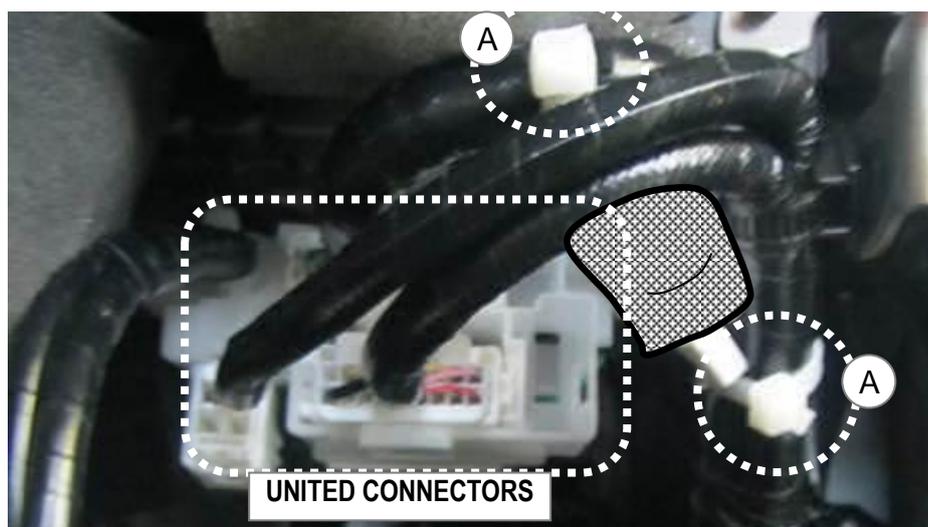


Apply grease to other side as well.

6. Install the C-16 connector in the united connectors, then install the united connectors to the bracket in the reverse order of removal.
7. Attach the urethane pad (Repair Kit) (A) over the short connector (B) for noise prevention.



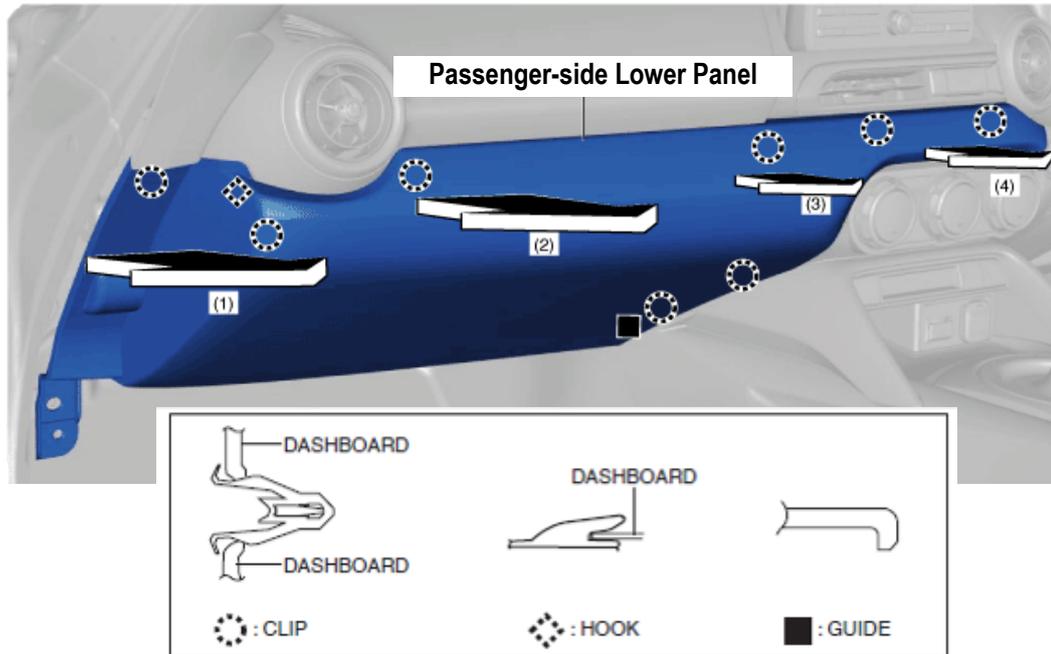
8. Fix the short connector with plastic tie straps (A) as shown.



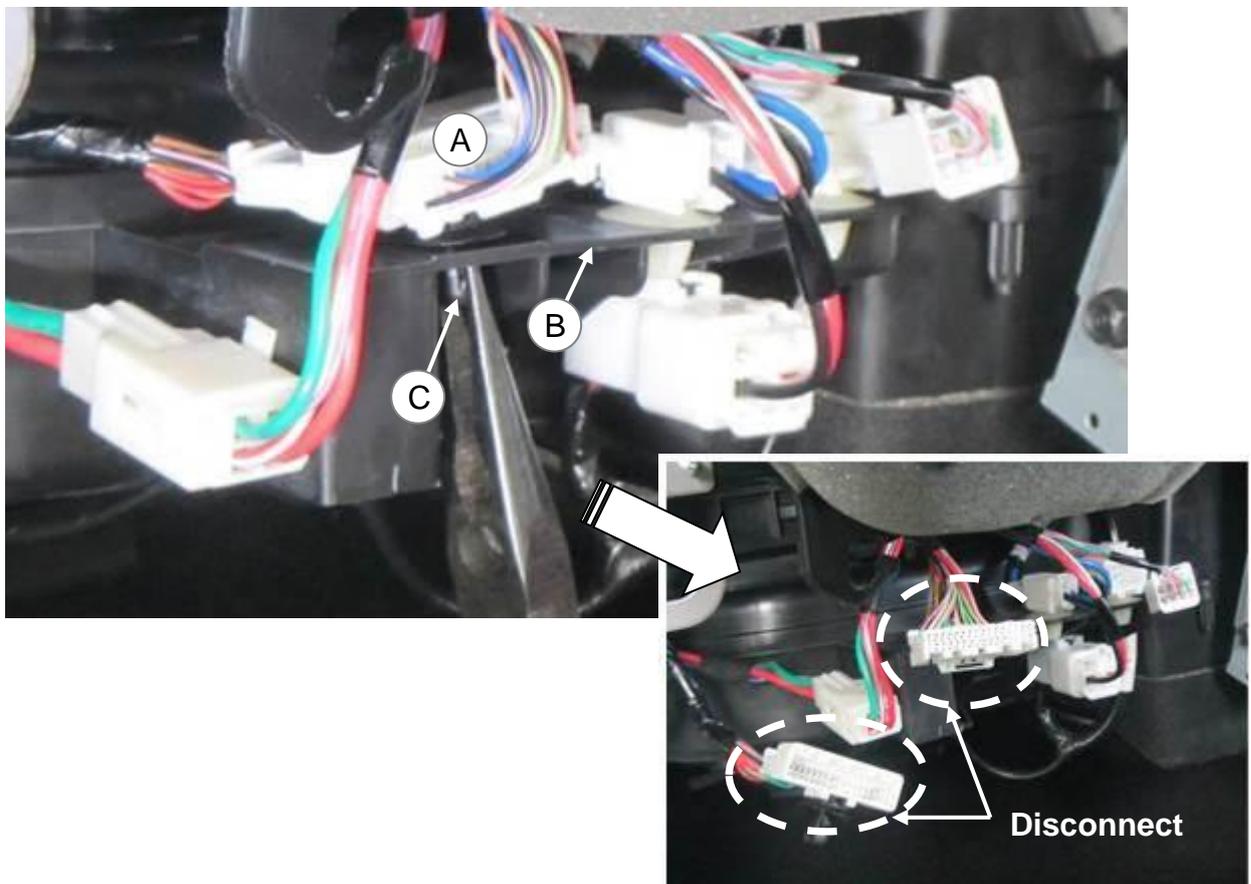
9. Install the driver-side lower panel according to the workshop manual “**DRIVER-SIDE LOWER PANEL REMOVAL/INSTALLATION**”.
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INSPECT and REPAIR C-04 CONNECTOR

10. Remove the passenger-side lower panel according to the workshop manual "PASSENGER-SIDE LOWER PANEL REMOVAL/INSTALLATION".

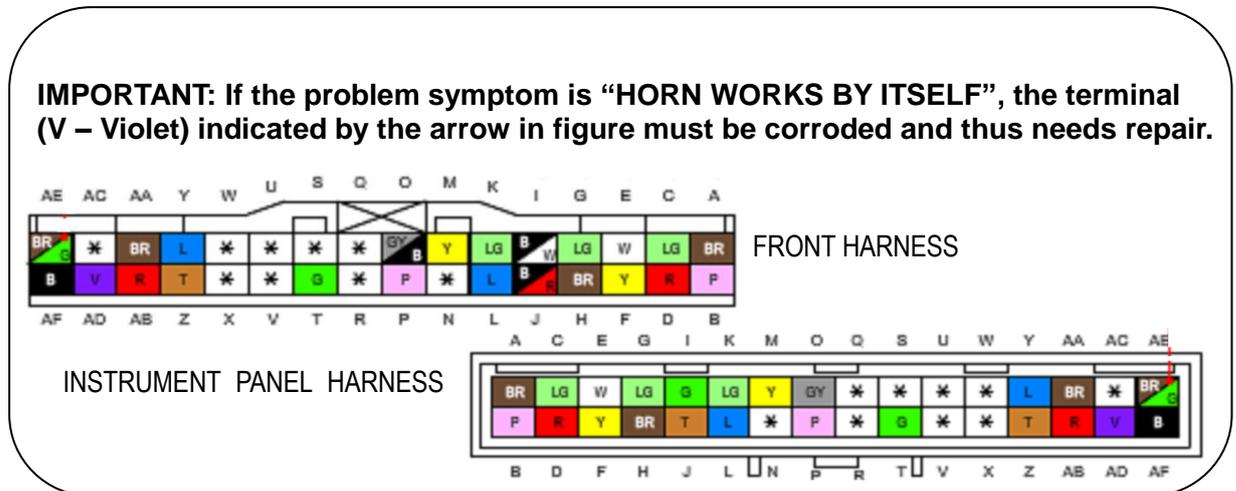


11. Remove the C-04 connector (A) from the bracket (B) by releasing the fastener (C) with a pair of pliers then disconnect the C-04 connector.



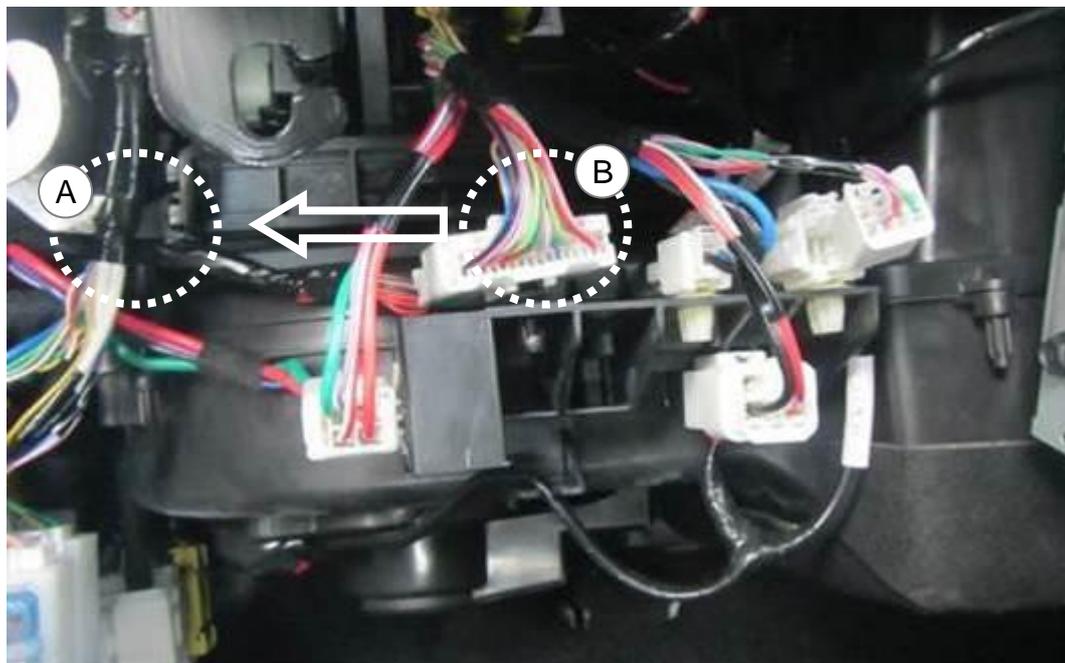
12. Inspect terminals of the C-04 connector for any sign of corrosion.

- **If any terminal(s) is corroded, cut all the affected wires and connect them using a short connector. Go to the step 13.**

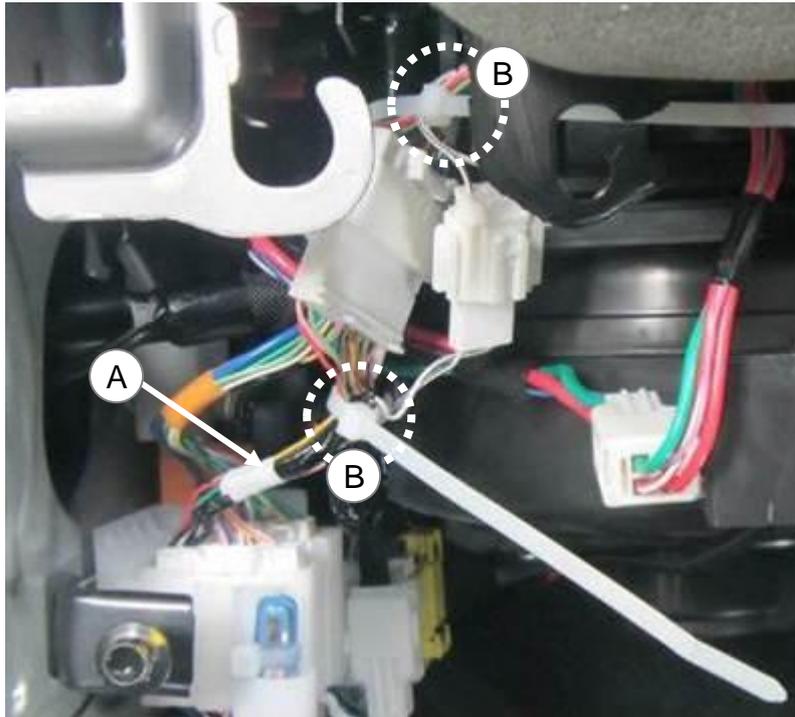


- **If no terminal is corroded, apply grease to the C-04 connector. Go to the step 14.**

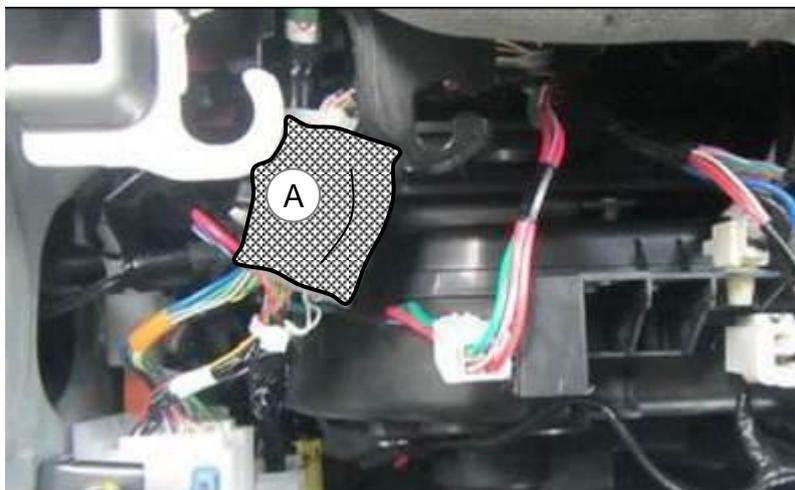
13. Cut and connect wires with the corroded terminal using the same procedure of step 4 for the C-16 connector.
14. Apply grease to the C-04 connector using the same procedure of step 5 for the C-16 connector.
15. Move the C-04 connector to the vehicle outer side (A) from the original position (B) as shown and fix it with plastic tie straps.



- 15.1. Secure the C-04 connector and the short connector to the existing vehicle harness (A) with plastic tie straps (Repair Kit) (B) as shown. Cut off the excess portion of the straps.



- 15.2. Attach the urethane pad (Repair Kit) (A) over the C-04 and the short connector for noise prevention.



16. Install the passenger-side lower panel according to the workshop manual **“PASSENGER-SIDE LOWER PANEL REMOVAL/INSTALLATION”**.