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|--|-------------------------------|----------------|----------------------------|
|  | <h1>TSB-Local</h1> | Model | Rio [UB]() |
| | | Group | Body Electrical System(92) |
| | | TSB No. | KCE11-92-P490-UB;C21VA |
| Subject Rio (UB) Front wiper switch connector wire rework to prevent incorrect operation. | Published | 10/10/2011 | |
| | TSB Type | Service Action | |
| | Area & Distributor | U.K (C21VA) | |

1. Description

■ Symptom/Condition

When operating the front windshield wiper in auto mode on some RIO (UB) RHD vehicles equipped with rain sensor only, the wiper might operate one time first then keep operating every 8 seconds regardless of the amount of rain.

■ Countermeasure

Rework the front wiper switch connector wire to repair this condition following the Service Procedure below.

2. Applicable Vehicles

- Model: Rio (UB) RHD vehicles equipped with rain sensor
- Applicable vehicle production date range: From July 1, 2011 to Aug. 24, 2011
- Applicable vehicle VIN range: Refer to the attached file
- Area: New Zealand, UK

3. Parts Information

4. Operation Code And Time

| OP CODE | OPERATION | OP TIME | NATURE | CAUSE |
|----------|--|---------|--------|-------|
| 110095R0 | FRONT WIPER SWITCH CONNECTOR WIRE REWORK | 0.4 M/H | N66 | C29 |

5. Service Procedure

1. Release the steering handle tilt lock lever and lower the steering column.



2. Insert the ignition key into the ignition to release the steering lock.



3. Turn the steering wheel right or left to get access to the shroud lower cover right and left side screws, then remove the screws (2EA).



4. Remove the shroud lower cover lower screw.



5. Remove the shroud lower and upper covers.



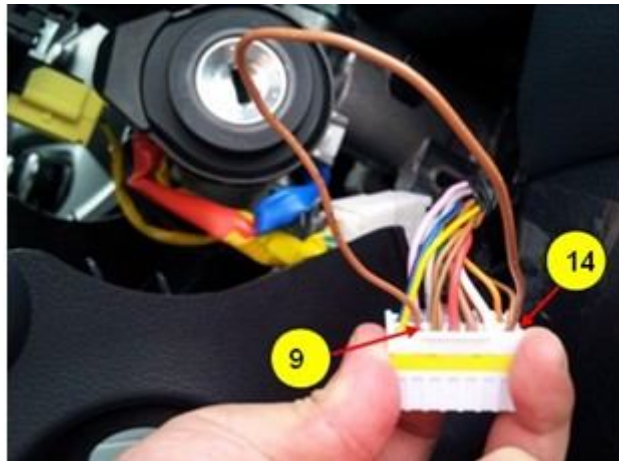
6. Disconnect the multi-function wiper switch connector.



7. Remove the tape about 50mm from the multi-function wiper switch connector.

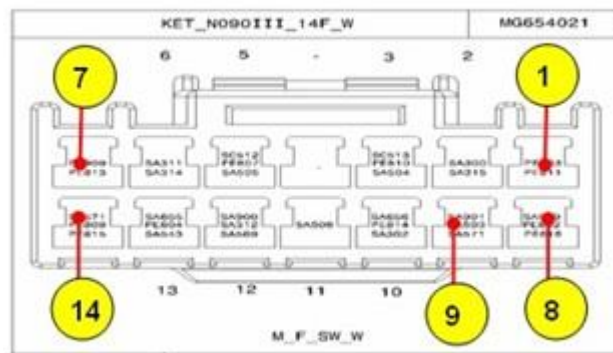


8. Locate pin 14 in the multi-function wiper switch connector.

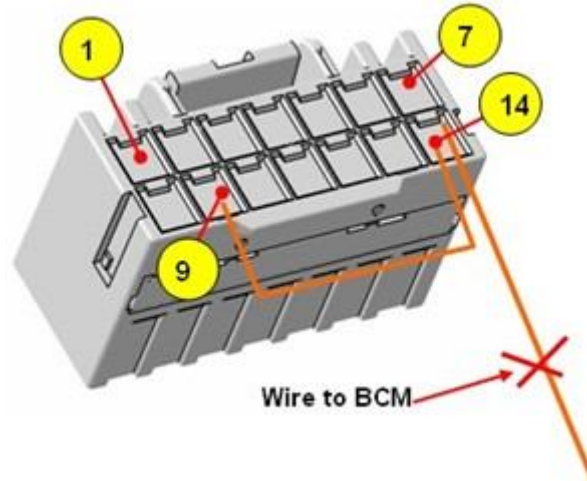


KET_090III_14F_W

9. Two brown wires are connected into pin 14. One is bridged to the pin 9 and the other is connected to the BCM (Body Control Module).



M_F_SW_F



10. Cut the brown wire going to BCM leaving the brown wire bridged still between pin 14 and pin 9



11. Tape both sides of the cut wire ends as show in the photo.



12. Using a tape wind all wires of the multi-function wiper switch connector.



13. Reconnect the multi-function wiper switch connector.



14. Reinstall all removed components in reverse order of removal.

IMPORTANT: Carry out a full functional test of the wiper and washer system.

