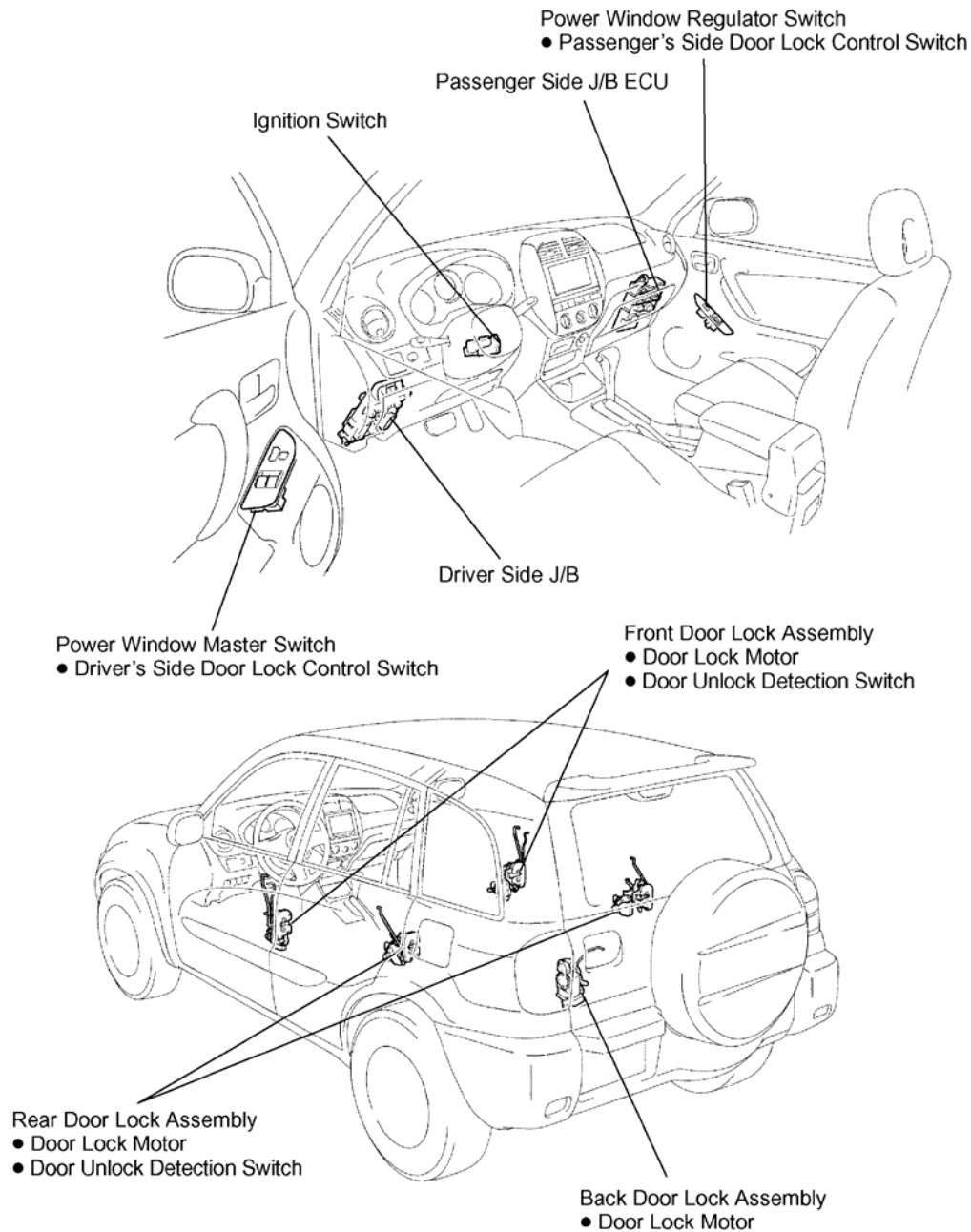


2004 ACCESSORIES & EQUIPMENT

Power Door Lock Control System - RAV4

LOCATION



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Fig. 1: Identifying Door Lock Control System Locations

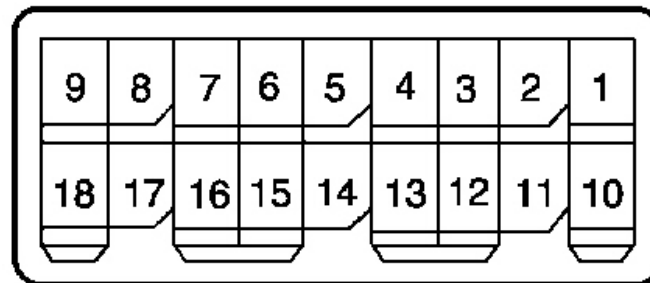
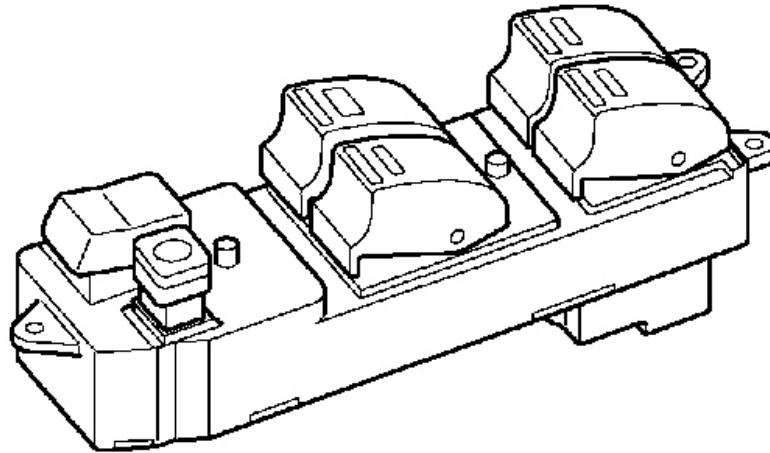
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSPECTION

1. **Driver's door: INSPECT DOOR LOCK CONTROL SWITCH CONTINUITY**

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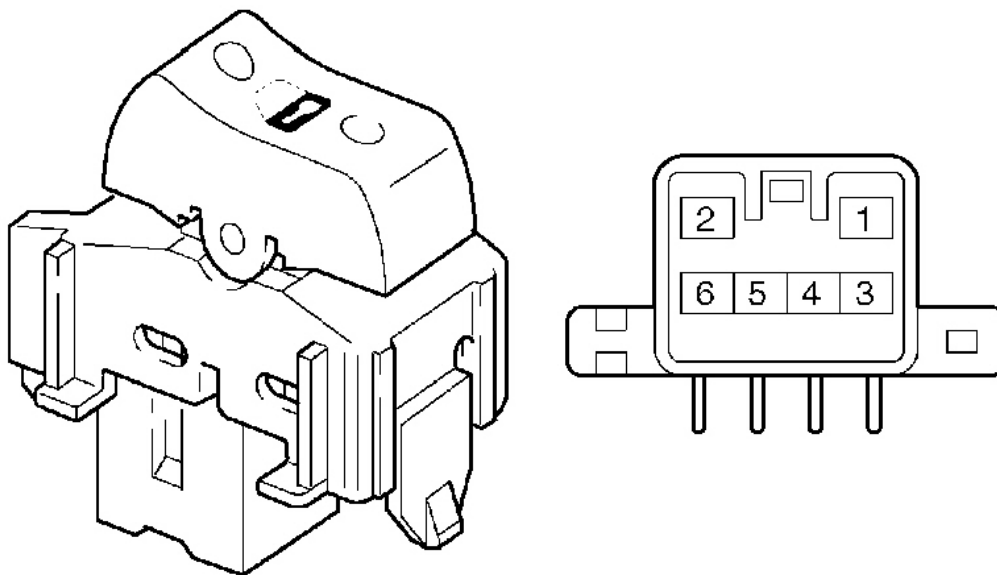
Fig. 2: Inspecting Door Lock Control Switch (Driver's Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DOOR LOCK CONTROL SWITCH CONTINUITY (DRIVER'S DOOR)

Switch Position	Tester Connection	Specified Condition
LOCK	1 - 3 - 5	Continuity
OFF	1 - 3	Continuity
UNLOCK	1 - 3 - 8	Continuity

If the continuity is not as specified, replace the switch.

2. Passenger's door: INSPECT DOOR LOCK CONTROL SWITCH CONTINUITY

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Fig. 3: Inspecting Door Lock Control Switch (Passenger's Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DOOR LOCK CONTROL SWITCH CONTINUITY (PASSENGER'S DOOR)

Switch Position	Tester Connection	Specified Condition
LOCK	3 - 6	Continuity

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OFF	3 - 6 3 - 5	No continuity
UNLOCK	3 - 5	Continuity

If the continuity is not as specified, replace the switch.

3. Driver's door: INSPECT DOOR KEY LOCK AND UNLOCK SWITCH CONTINUITY

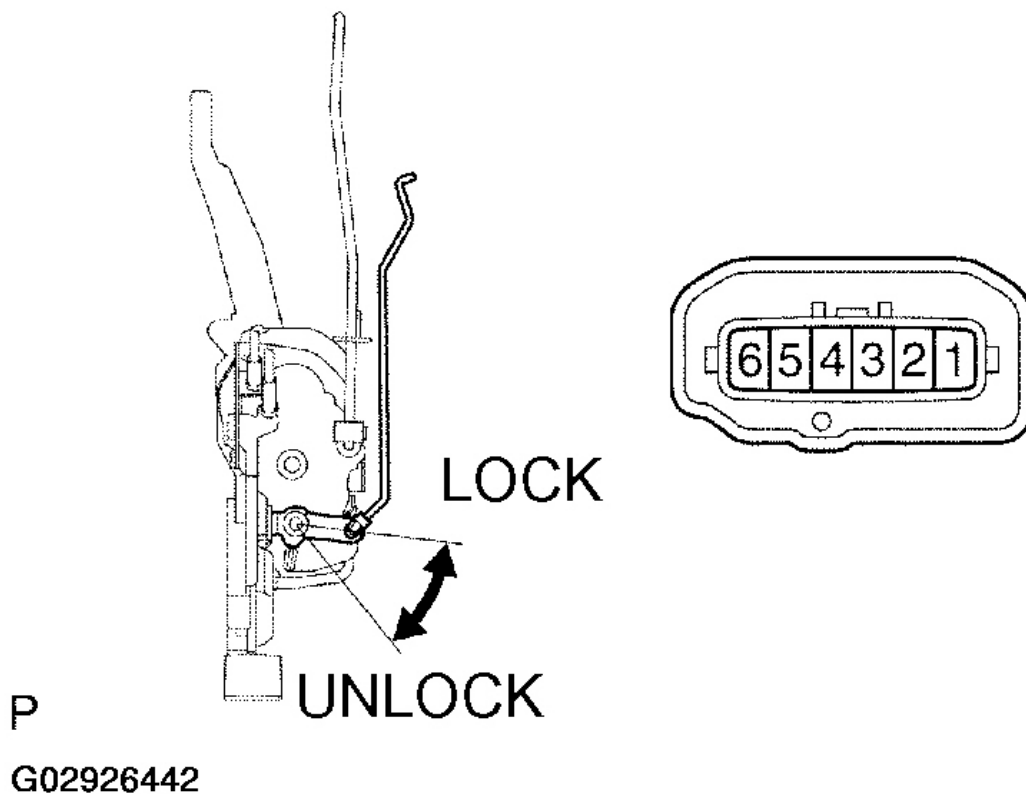


Fig. 4: Inspecting Door Key Lock And Unlock Switch (Driver's Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DOOR KEY LOCK & UNLOCK SWITCH CONTINUITY (DRIVER'S DOOR)

Switch Position	Tester Connection	Specified Condition
LOCK	2 - 4	Continuity
OFF	2 - 4 2 - 3	No continuity
UNLOCK	2 - 3	Continuity

If the continuity is not as specified, replace the switch.

4. **Passenger's door: INSPECT DOOR KEY LOCK AND UNLOCK SWITCH CONTINUITY**

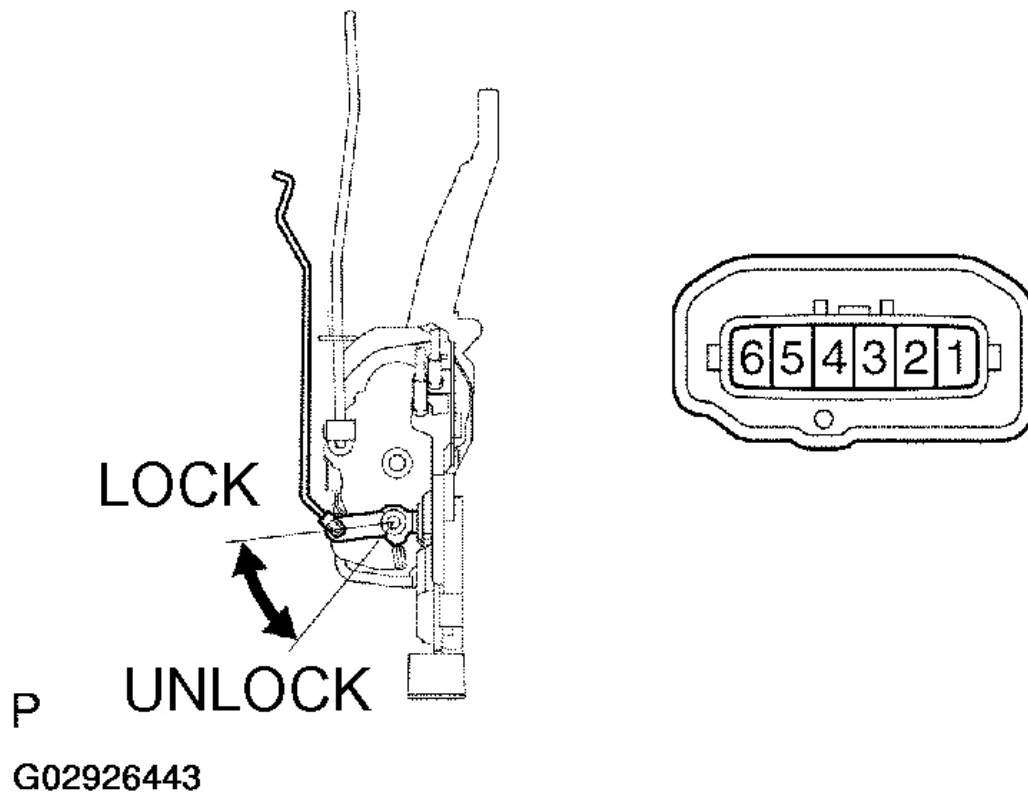


Fig. 5: Inspecting Door Key Lock And Unlock Switch (Passenger's Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DOOR KEY LOCK & UNLOCK SWITCH CONTINUITY (PASSENGER'S DOOR)

Switch Position	Tester Connection	Specified Condition
LOCK	3 - 5	Continuity
OFF	3 - 5 4 - 5	No continuity
UNLOCK	4 - 5	Continuity

If the continuity is not as specified, replace the switch.

5. **Back door: INSPECT DOOR KEY LOCK AND UNLOCK SWITCH CONTINUITY**

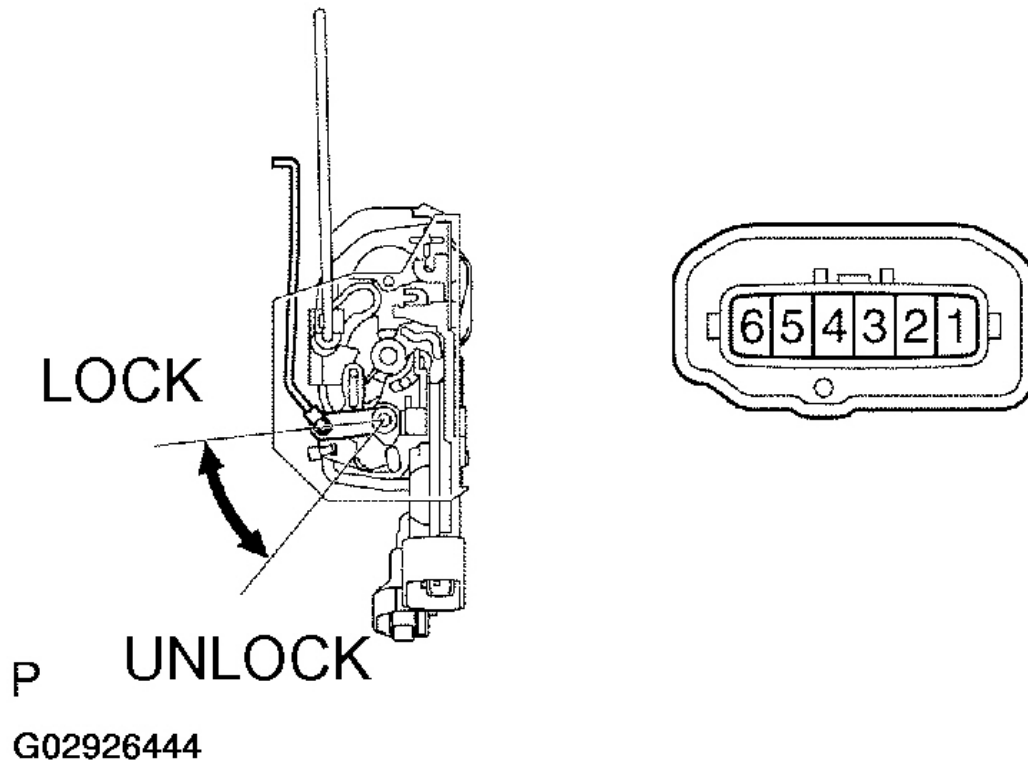


Fig. 6: Inspecting Door Key Lock And Unlock Switch (Back Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DOOR KEY LOCK & UNLOCK SWITCH CONTINUITY (BACK DOOR)

Switch Position	Tester Connection	Specified Condition
LOCK	3 - 5	Continuity
OFF	3 - 5 4 - 5	No continuity
UNLOCK	4 - 5	Continuity

If the continuity is not as specified, replace the switch.

6. Driver's door: INSPECT DOOR UNLOCK DETECTION SWITCH CONTINUITY

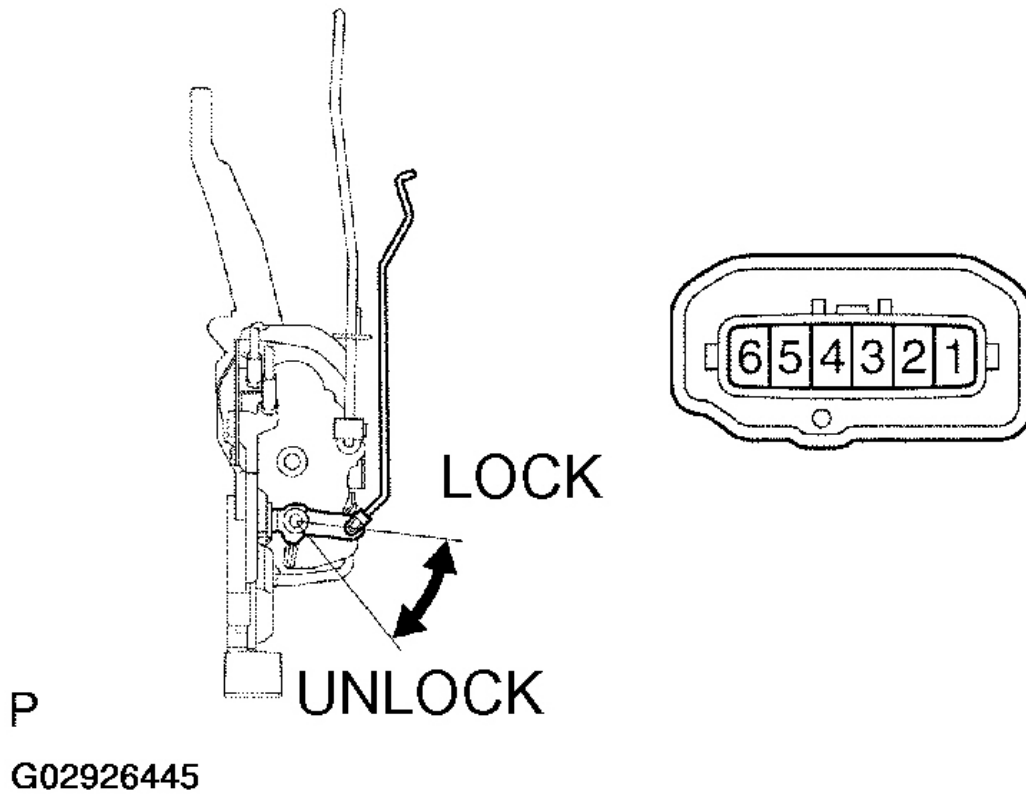


Fig. 7: Inspecting Door Unlock Detection Switch (Driver's Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DOOR UNLOCK DETECTION SWITCH CONTINUITY (DRIVER'S DOOR)

Switch Position	Tester Connection	Specified Condition
OFF (Door Lock set to LOCK)	1 - 2	No continuity
ON (Door Lock set to UNLOCK)	1 - 2	Continuity

If the continuity is not as specified, replace the switch.

7. Passenger's door: INSPECT DOOR UNLOCK DETECTION SWITCH CONTINUITY

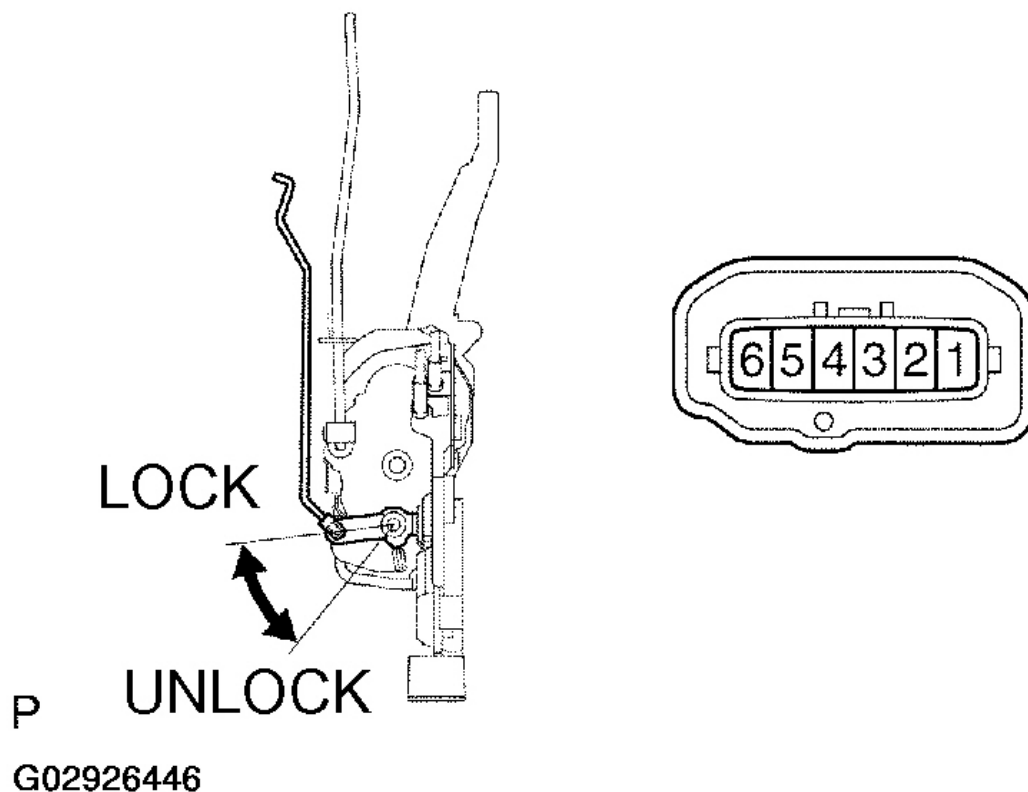


Fig. 8: Inspecting Door Unlock Detection Switch (Passenger's Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DOOR UNLOCK DETECTION SWITCH CONTINUITY (PASSENGER'S DOOR)

Switch Position	Tester Connection	Specified Condition
OFF (Door Lock set to LOCK)	5 - 6	No continuity
ON (Door Lock set to UNLOCK)	5 - 6	Continuity

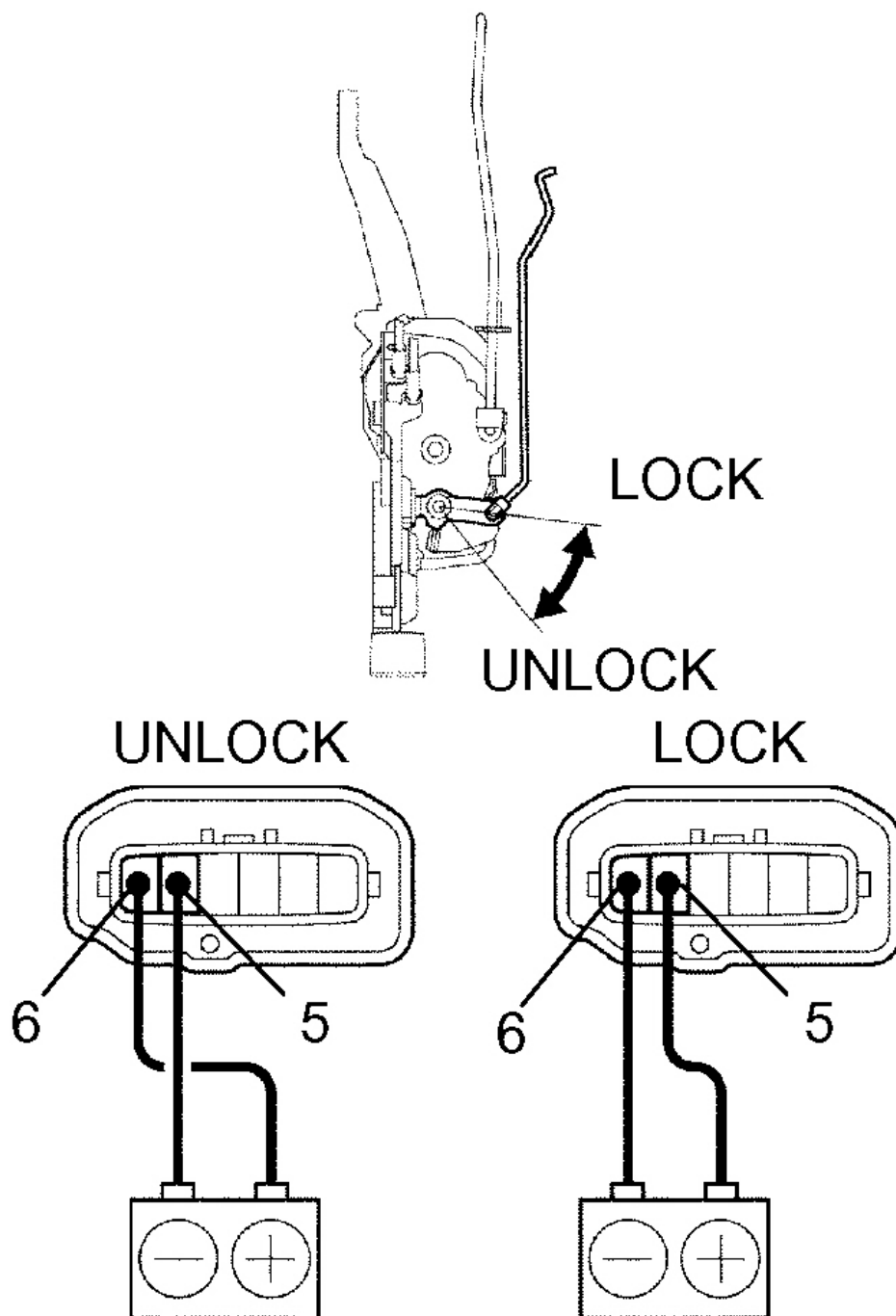
If the continuity is not as specified, replace the switch.

8. Driver's door: INSPECT DOOR LOCK MOTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 6 and the negative (-) lead to terminal 5. Check if the door lock link moves to the UNLOCK position.
- Reverse the polarity and check if the door lock link moves to the LOCK position.

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Fig. 9: Checking Door Lock Motor Operation (Driver's Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

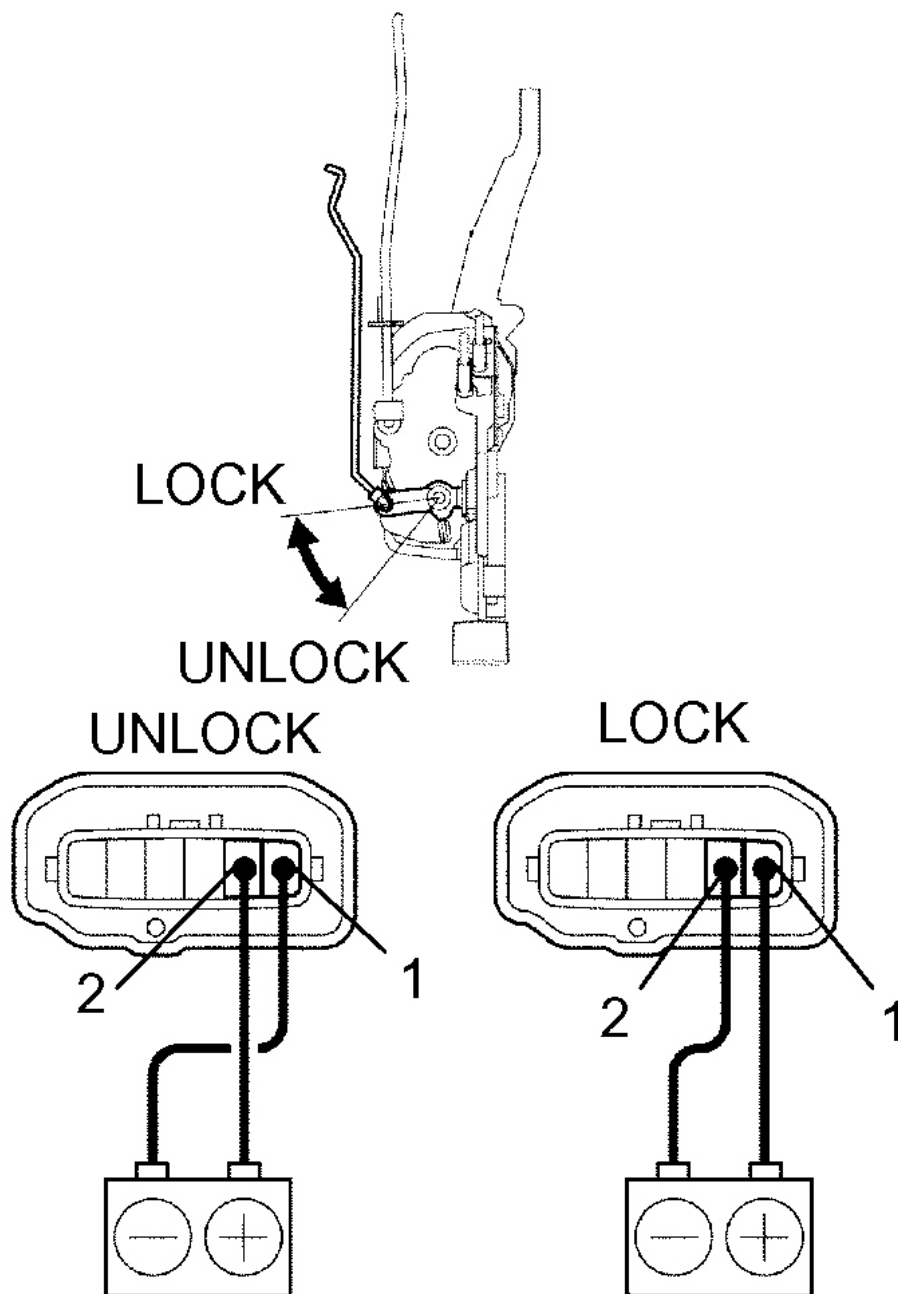
If operation is not as specified, replace the door lock assembly.

9. Passenger's door: INSPECT DOOR LOCK MOTOR OPERATION

- a. Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1.
Check if the door lock link moves to the UNLOCK position.
- b. Reverse the polarity and check if the door lock link moves to the LOCK position.

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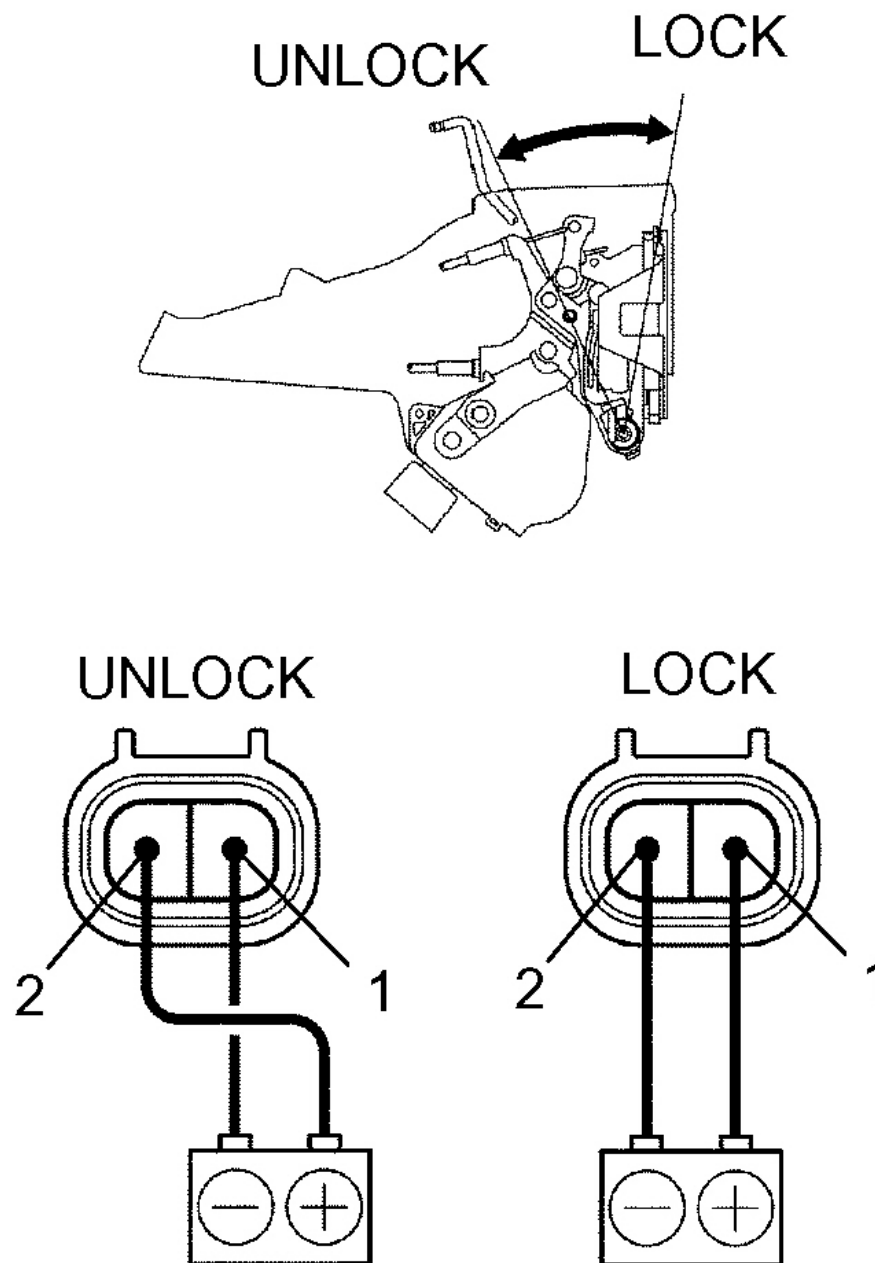
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Fig. 10: Checking Door Lock Motor Operation (Passenger's Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

10. Rear door: INSPECT DOOR LOCK MOTOR OPERATION

- a. Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1.
Check if the door lock link moves to the UNLOCK position.
- b. Reverse the polarity and check that the door lock link moves to the LOCK position.



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Fig. 11: Checking Door Lock Motor Operation (Rear Door)

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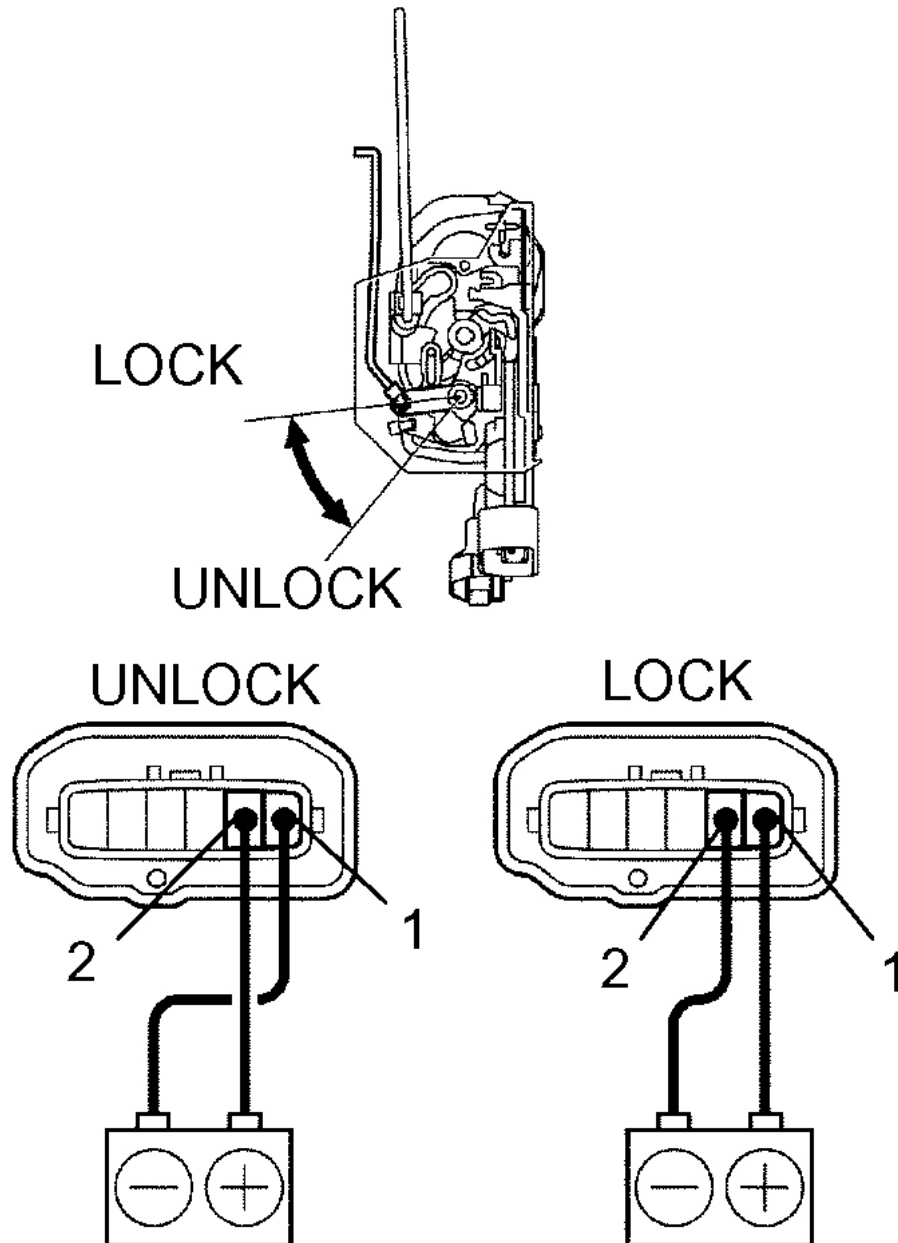
2004 ACCESSORIES & EQUIPMENT Power Door Lock Control System - RAV4

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

11. Back door: INSPECT DOOR LOCK MOTOR OPERATION

- a. Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1. Check if the door lock link moves to the UNLOCK position.
- b. Reverse the polarity and check if the door lock link moves to the LOCK position.



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Fig. 12: Checking Door Lock Motor Operation (Back Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

12. Driver's door: INSPECT DOOR PTC THERMISTOR OPERATION

- a. Connect the negative (-) lead from the ammeter to terminal 6, and the positive (+) lead to the positive terminal of the battery.
- b. Connect the negative (-) lead from the battery to terminal 5.

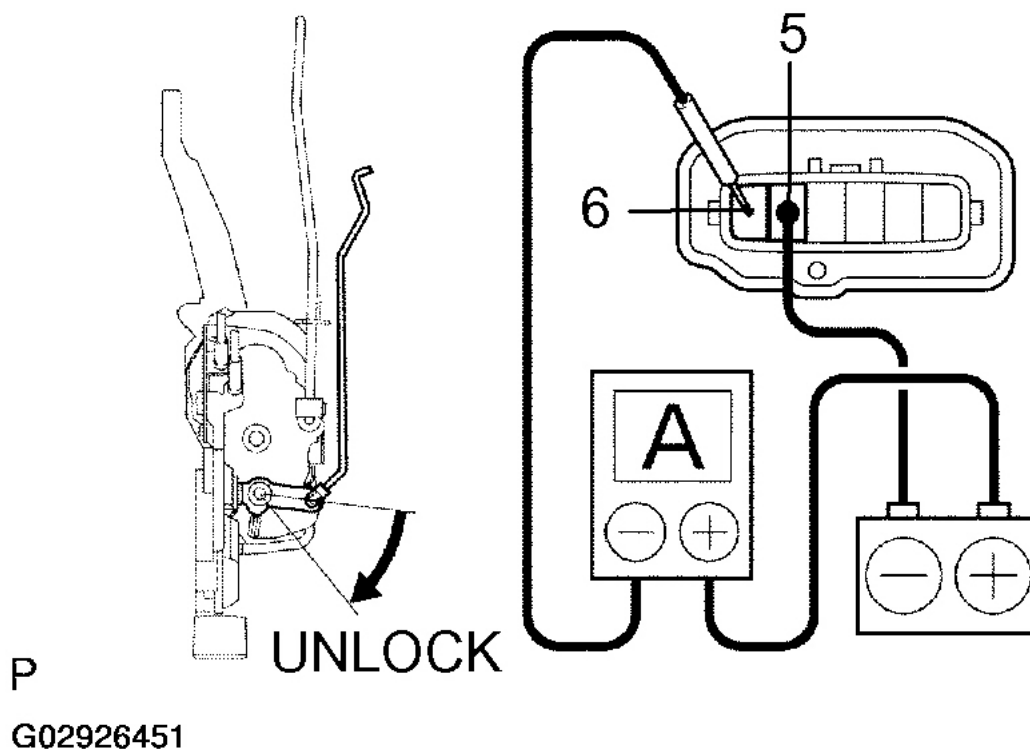


Fig. 13: Connecting Ammeter Lead To Terminal 6 & Battery Lead To Terminal 5
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Check if the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.
- d. Disconnect the leads from the terminals.
- e. Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 5 and the negative (-) lead to terminal 6. Check if the door lock moves to the LOCK position.

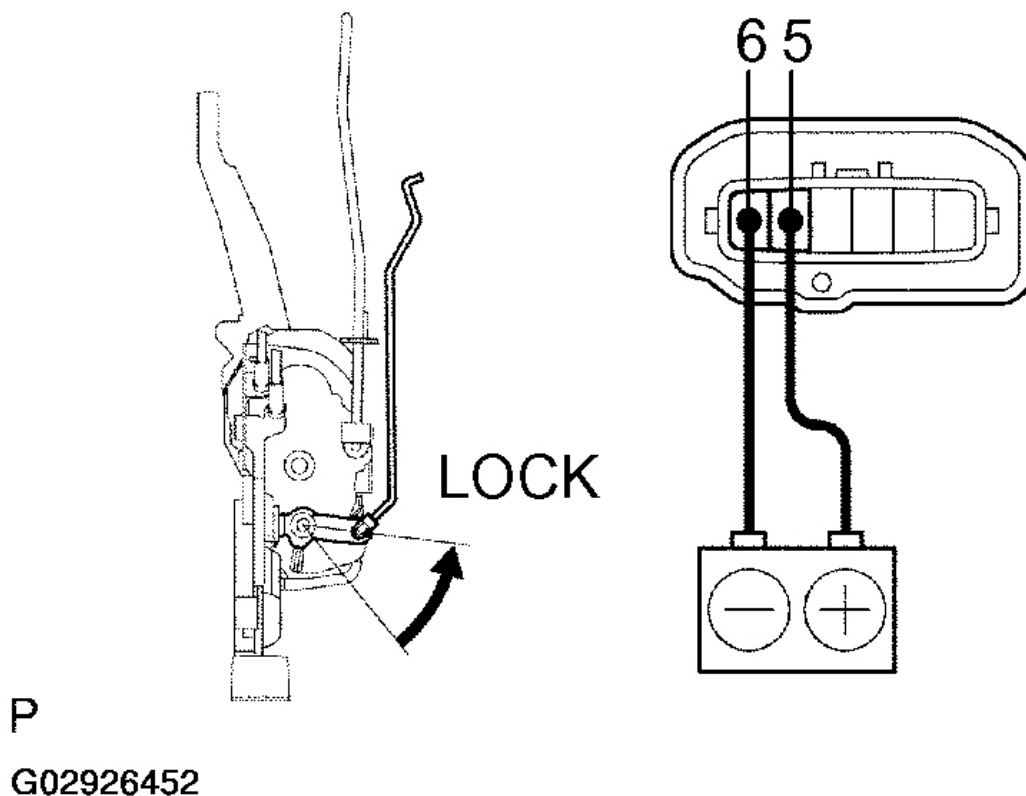


Fig. 14: Connecting Battery Leads To Terminal 6 And 5
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

13. Passenger's door: INSPECT PASSENGER'S DOOR PTC THERMISTOR OPERATION

- a. Connect the negative (-) lead from the ammeter to terminal 2, and the positive (+) lead to the positive terminal of the battery.
- b. Connect the negative (-) lead from the battery to terminal 1.

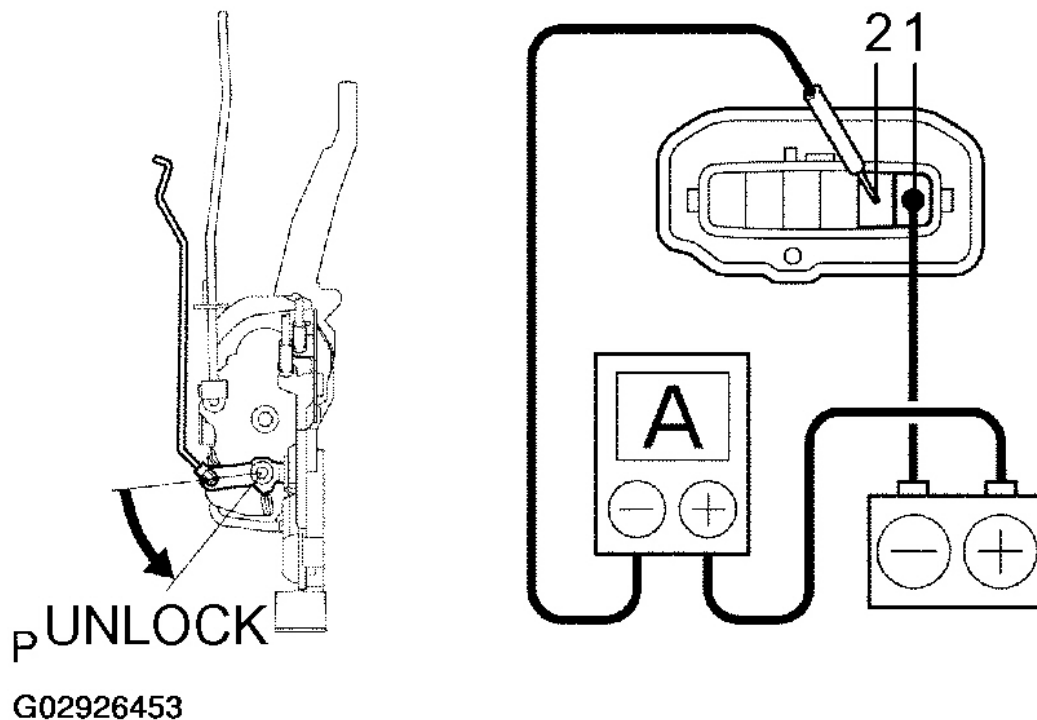


Fig. 15: Connecting Ammeter Lead To Terminal 2 & Battery Lead To Terminal 1 (Passenger's Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Check if the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.
- d. Disconnect the leads from the terminals.
- e. Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2. Check that the door lock moves to the LOCK position.

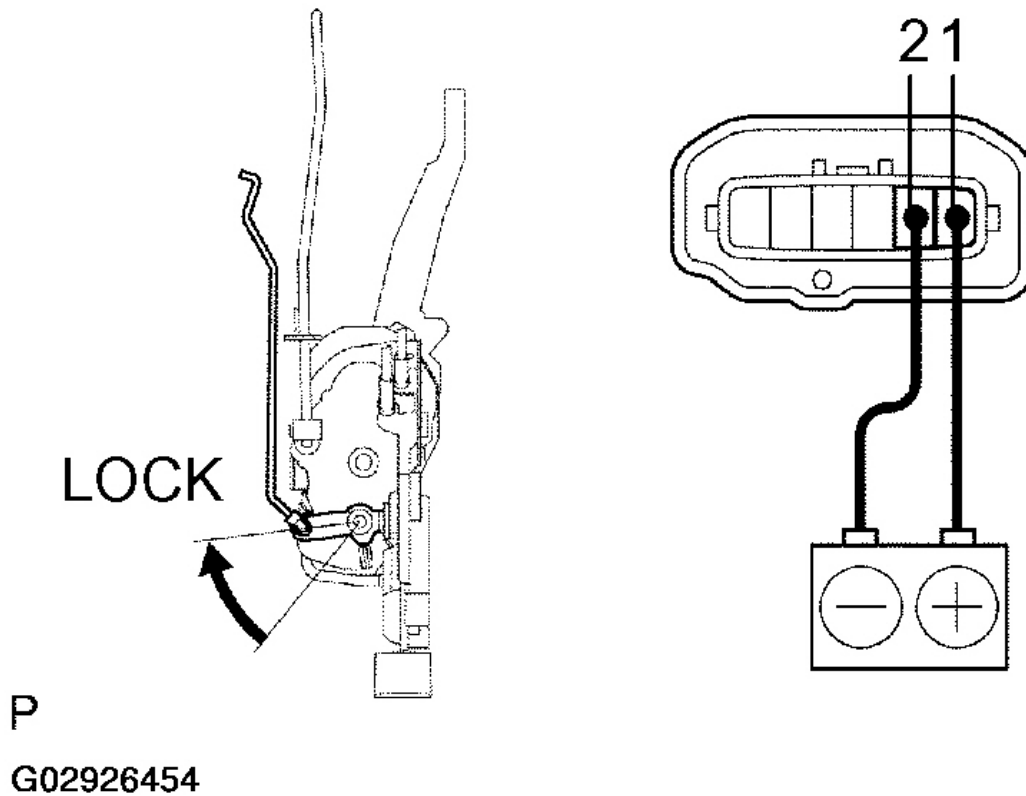


Fig. 16: Connecting Battery Leads To Terminals 2 And 1 (Passenger's Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

14. Rear door: INSPECT DOOR PTC THERMISTOR OPERATION

- a. Connect the negative (-) lead from the ammeter to terminal 2, and the positive (+) lead to the positive terminal of the battery.
- b. Connect the negative (-) lead from the battery to terminal 1.

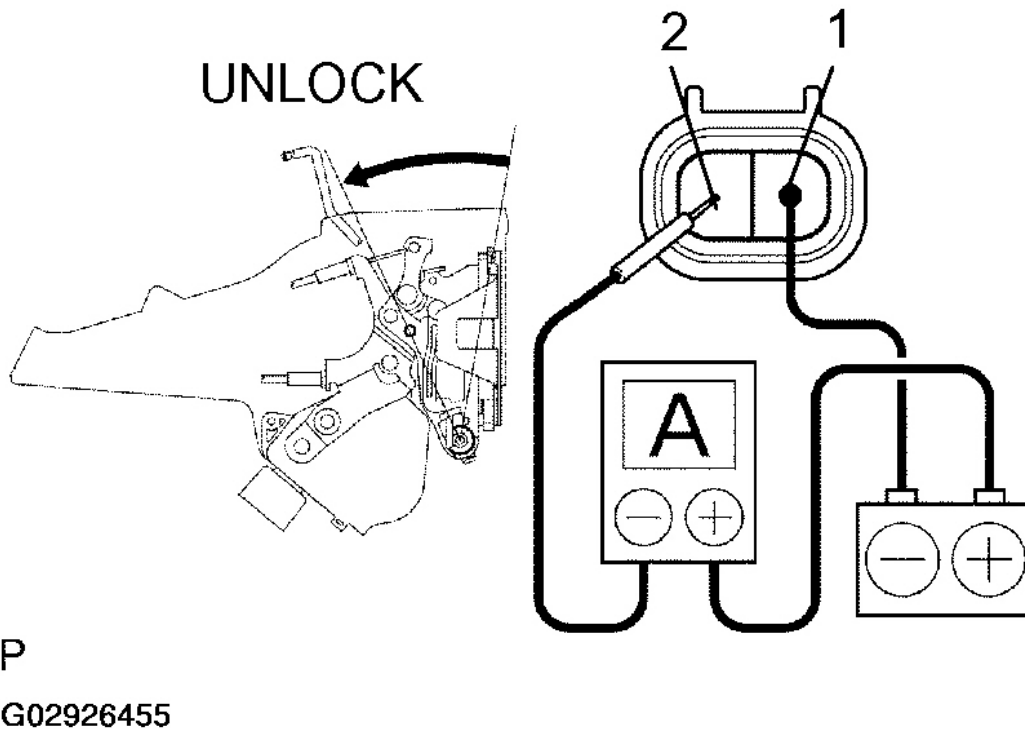


Fig. 17: Connecting Ammeter Lead To Terminal 2 & Battery Lead To Terminal 1 (Rear Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Check if the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.
- d. Disconnect the leads from the terminals.
- e. Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2. Check if the door lock moves to the LOCK position.

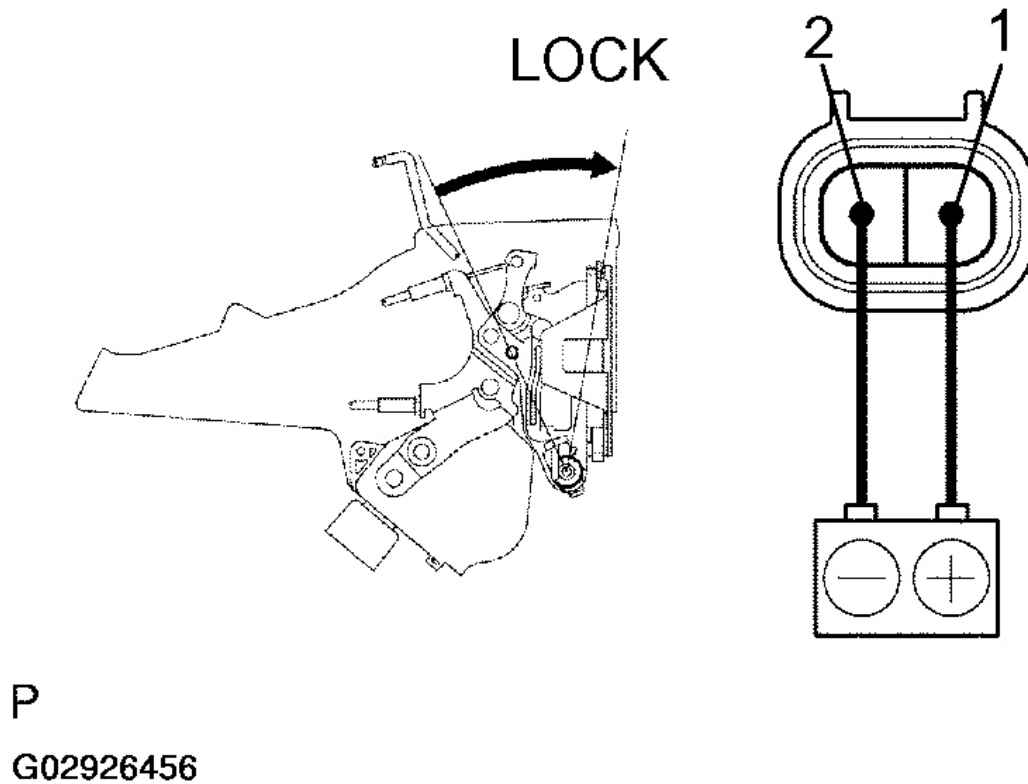


Fig. 18: Connecting Battery Leads To Terminals 2 And 1 (Rear Door)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

15. Back door: INSPECT DOOR PTC THERMISTOR OPERATION

- a. Connect the negative (-) lead from the ammeter to terminal 2, and the positive (+) lead to the positive terminal of the battery.
- b. Connect the negative (-) lead from the battery to terminal 1.

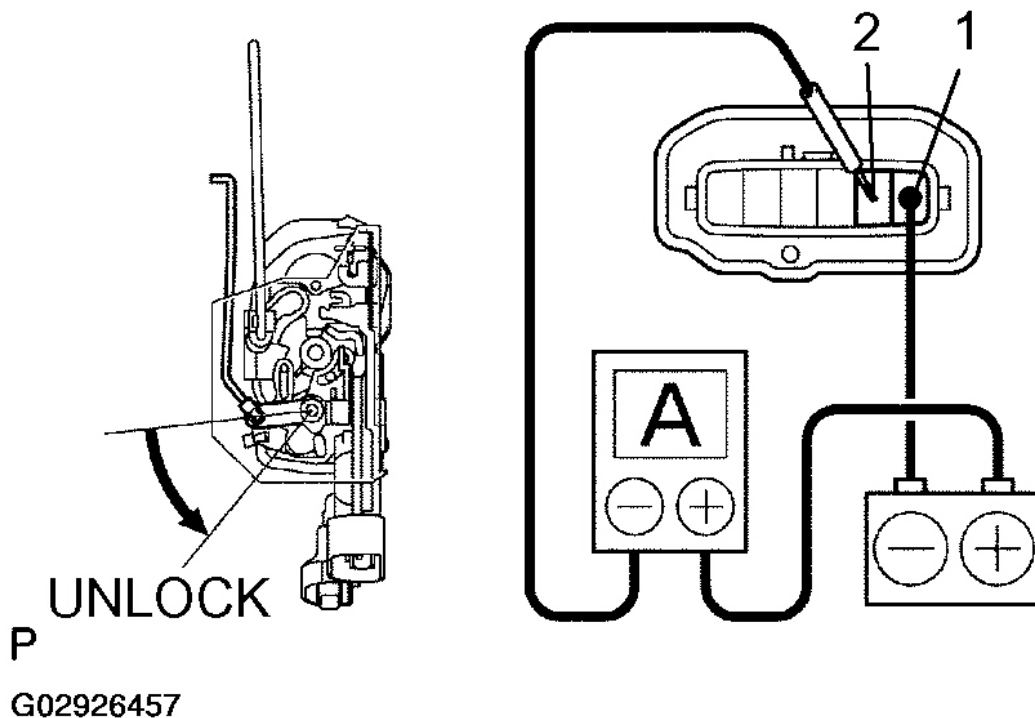


Fig. 19: Connecting Ammeter Lead To Terminal 2 & Battery Lead To Terminal 1 (Back Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Check if the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.
- d. Disconnect the leads from the terminals.
- e. Approximately 60 seconds later, connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2. Check if the door lock moves to the LOCK position.

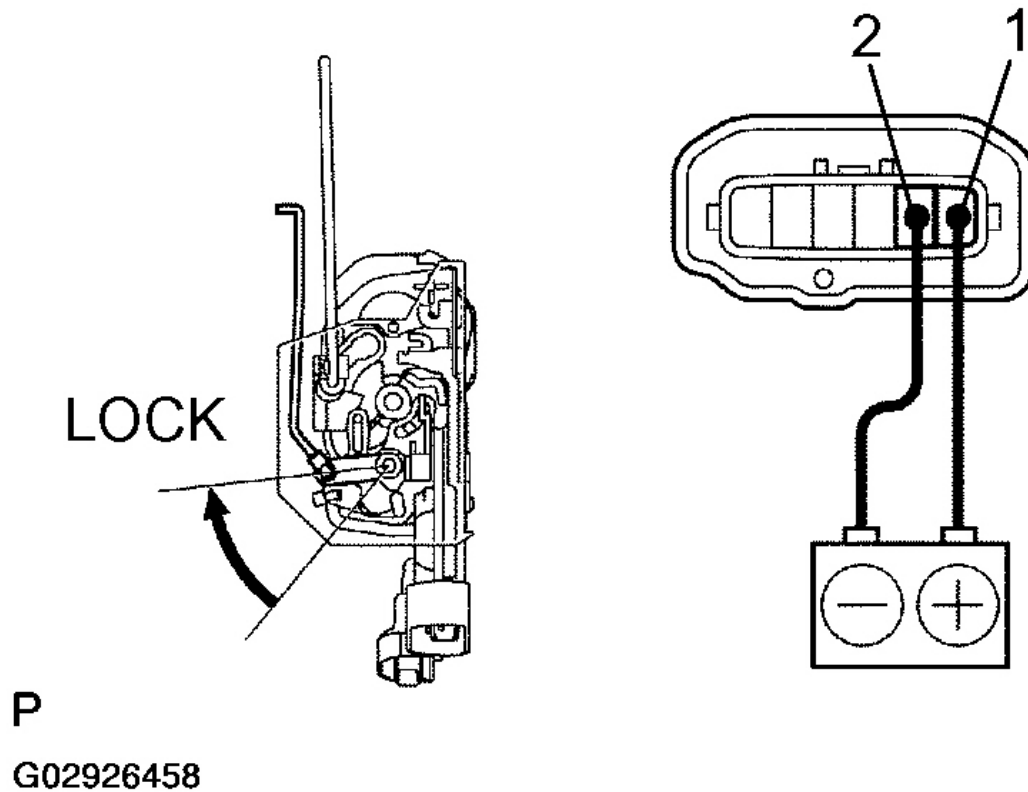


Fig. 20: Connecting Battery Leads To Terminals 2 And 1 (Back Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

16. Driver's door: INSPECT DOOR PTC THERMISTOR OPERATION

- a. Connect the positive (+) lead from the battery to terminal 6 and the negative (-) lead to terminal 5.

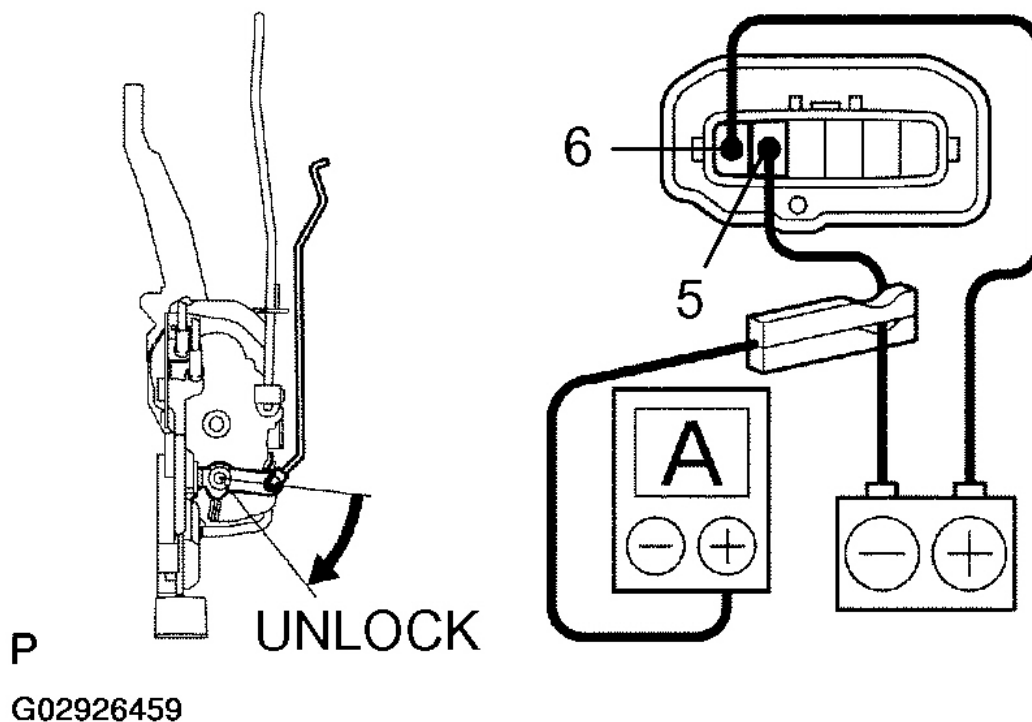


Fig. 21: Connecting Battery Leads To Terminal 6 & 5
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- Attach a current-measuring probe to either the positive (+) lead or the negative (-) lead, and check that the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.
- Disconnect the leads from the terminals.
- Approximately 60 seconds later, reverse the polarity and check if the door lock moves to the LOCK position.

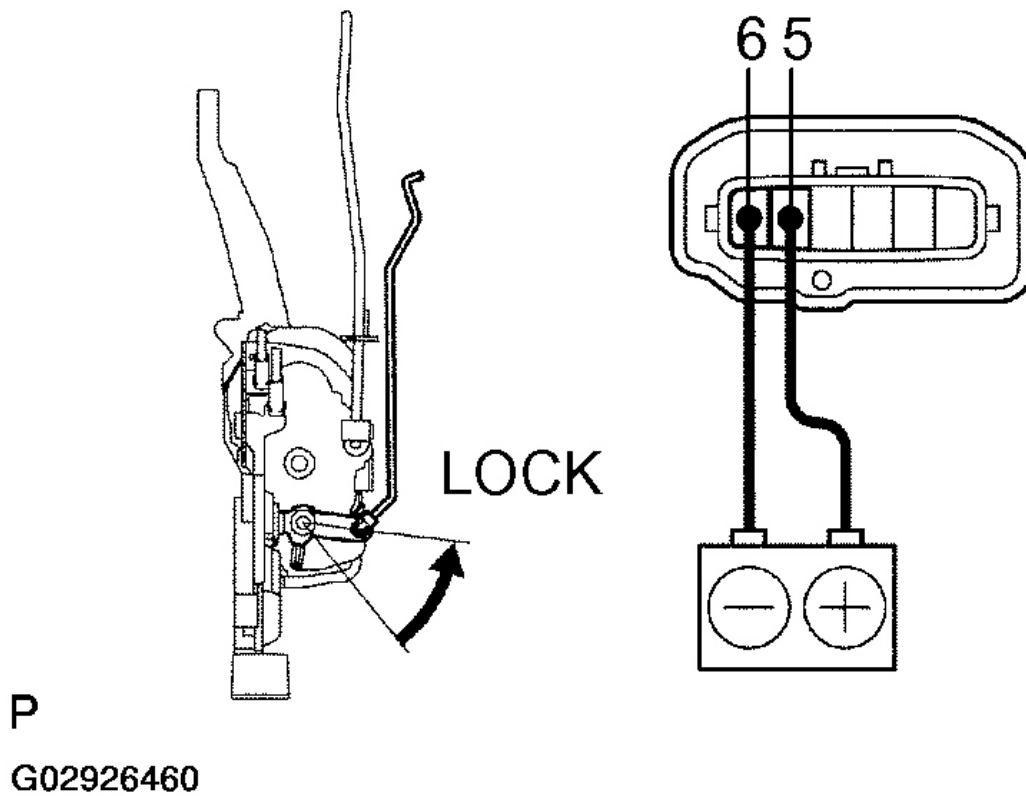


Fig. 22: Reversing Polarity Of Battery Leads To Terminal 6 & 5
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

17. Passenger's door: INSPECT DOOR PTC THERMISTOR OPERATION

- a. Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1.

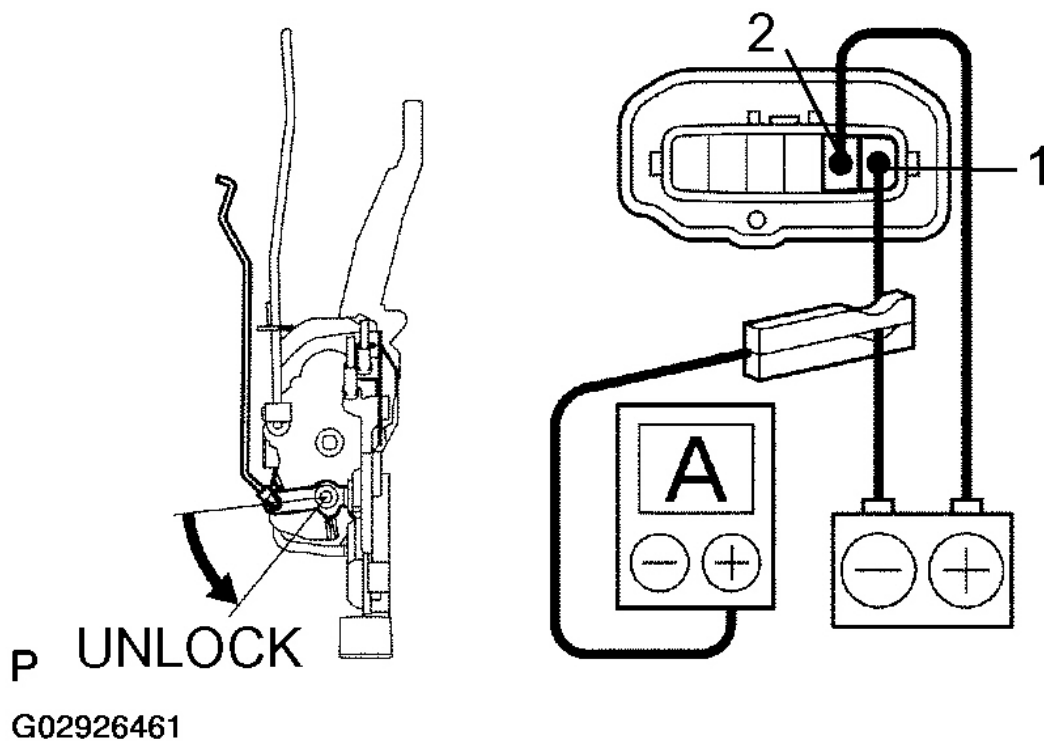


Fig. 23: Connecting Battery Leads To Terminal 2 & 1 (Passenger's Door)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Attach a current-measuring probe to either the positive (+) lead or the negative (-) lead. Check if the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.
- c. Disconnect the leads from the terminals.
- d. Approximately 60 seconds later, reverse the polarity and check if the door lock moves to the LOCK position.

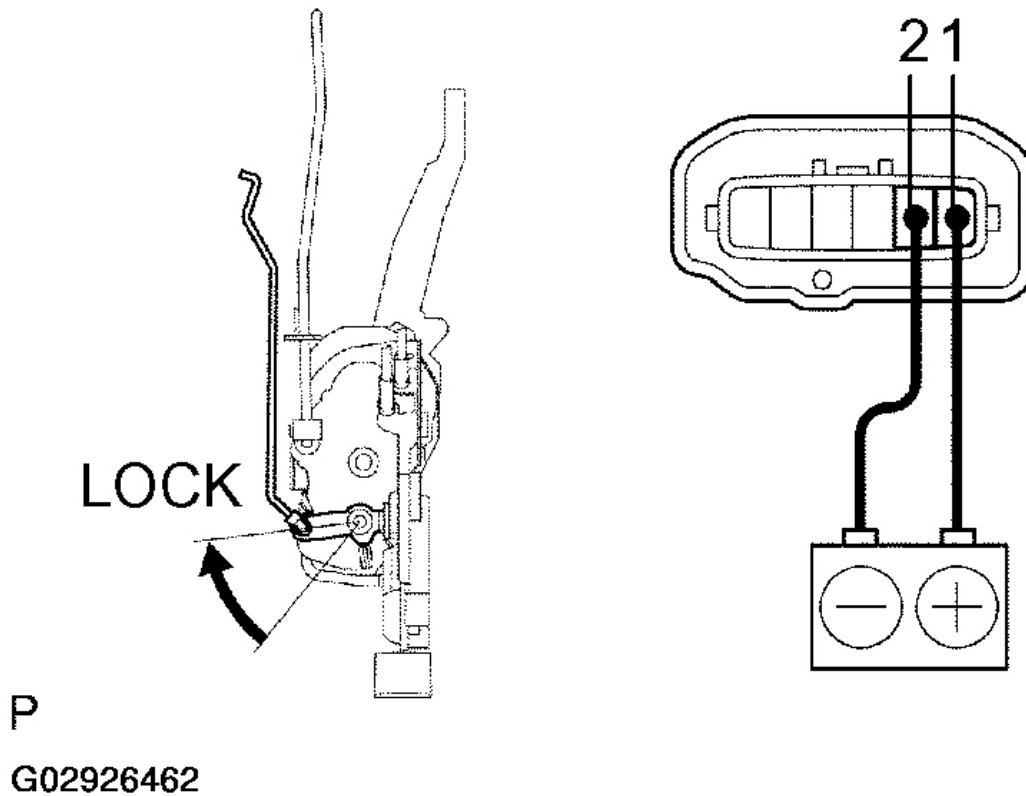


Fig. 24: Reversing Polarity Of Battery Leads To Terminals 2 & 1 (Passenger's Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

18. Rear door: INSPECT DOOR PTC THERMISTOR OPERATION

- a. Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1.

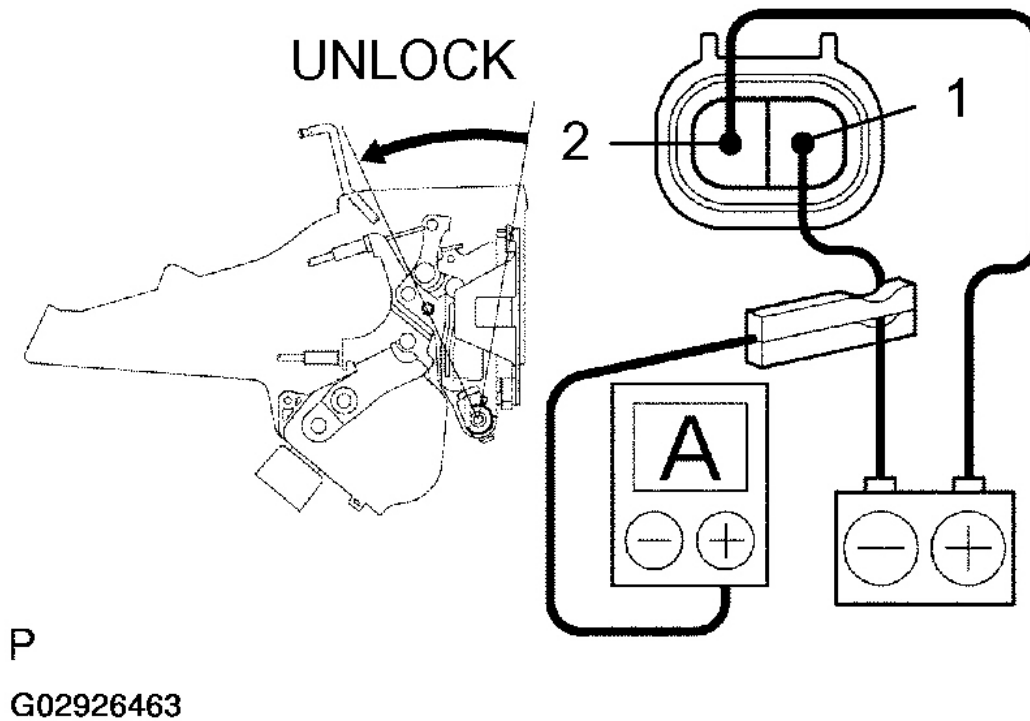


Fig. 25: Connecting Battery Leads To Terminal 2 & 1 (Rear Door)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Attach a current-measuring probe to either the positive (+) lead or the negative (-) lead. Check if the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.
- c. Disconnect the leads from the terminals.
- d. Approximately 60 seconds later, reverse the polarity and check if the door lock moves to the LOCK position.

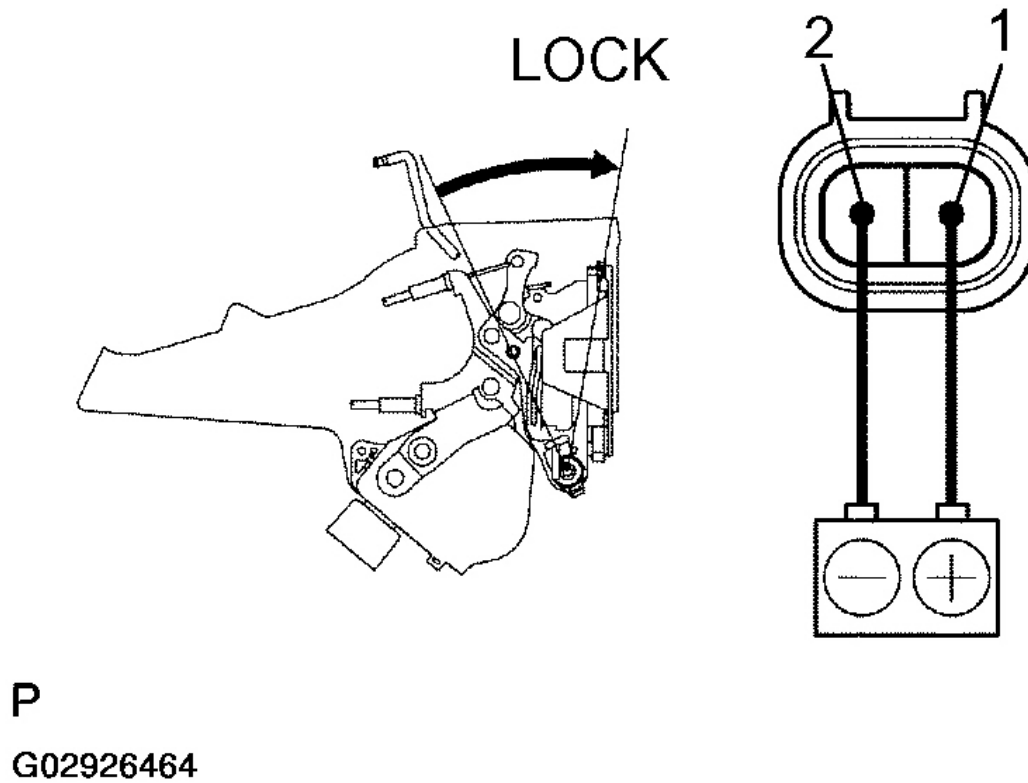


Fig. 26: Reversing Polarity Of Battery Leads To Terminals 2 & 1 (Rear Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.

19. Back door: INSPECT DOOR PTC THERMISTOR OPERATION

- a. Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1.

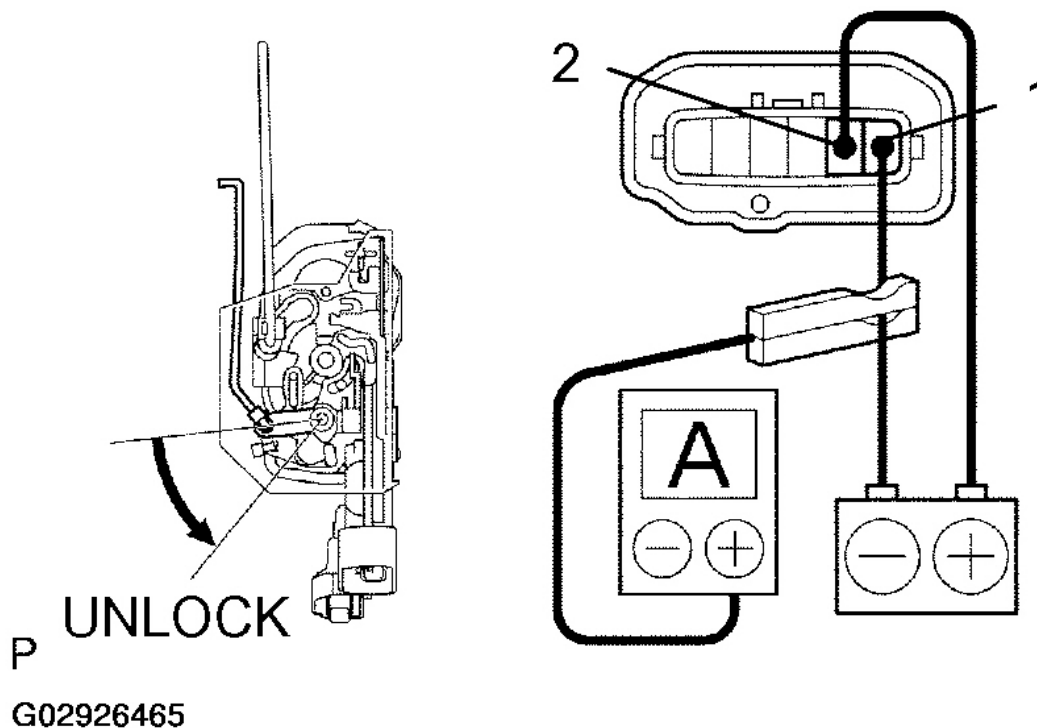


Fig. 27: Connecting Battery Leads To Terminal 2 & 1 (Back Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Attach a current-measuring probe to either the positive (+) lead or the negative (-) lead. Check if the current changes from approximately 3.2 A to less than 0.5 A within 20 to 70 seconds.
- c. Disconnect the leads from the terminals.
- d. Approximately 60 seconds later, reverse the polarity and check if the door lock moves to the LOCK position.

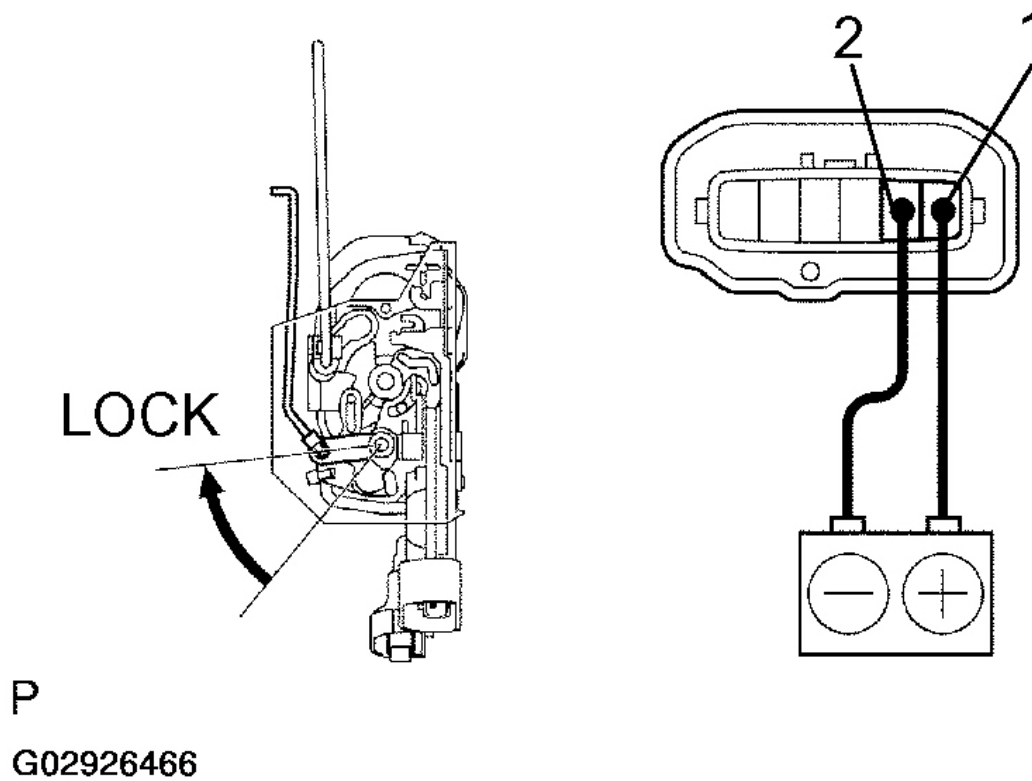


Fig. 28: Reversing Polarity Of Battery Leads To Terminals 2 & 1 (Back Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If operation is not as specified, replace the door lock assembly.