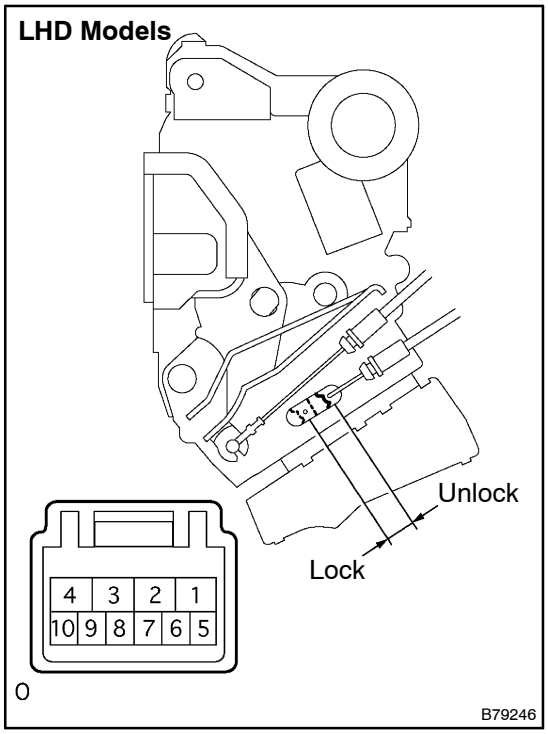
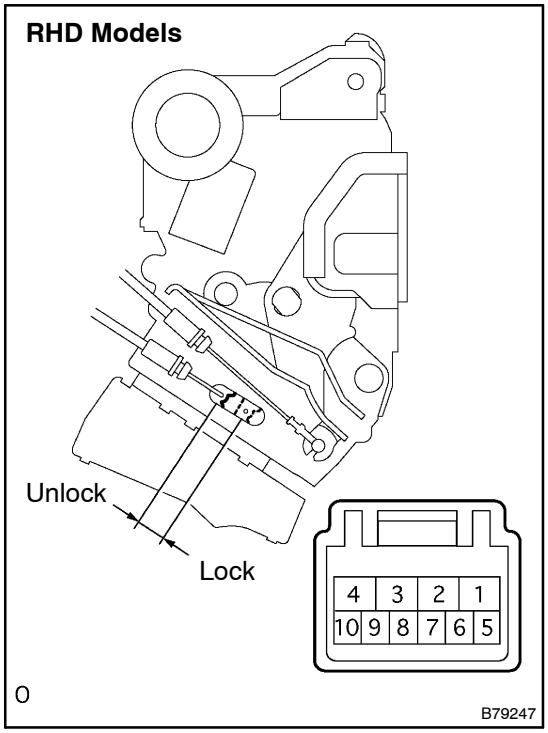
05IG3–01

INSPECTION





1. INSPECT DRIVER DOOR LOCK ASSY

(a) Apply battery voltage to the door lock and check operation of the door lock motor.

OK:

LHD and Australia, Singapore and Hong Kong models

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 4	Unlock

RHD models except Australia, Singapore and Hong Kong

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Unlock

If the result is not as specified, replace the door lock assy.

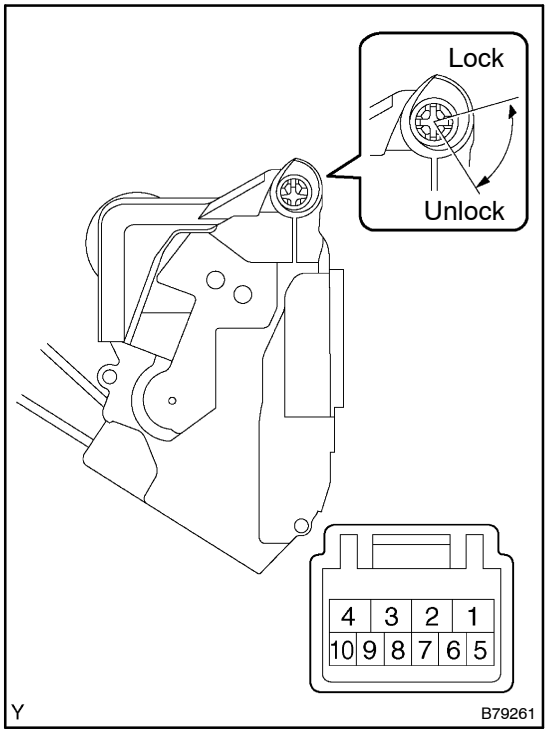
(b) Measure the resistance of the position switch.

Standard:

Position Switch

Tester Connection	Switch Condition	Specified Condition
7 – 8	Lock	10 kΩ or higher
7 – 8	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.



(c) Measure the resistance of the door lock and unlock switch.

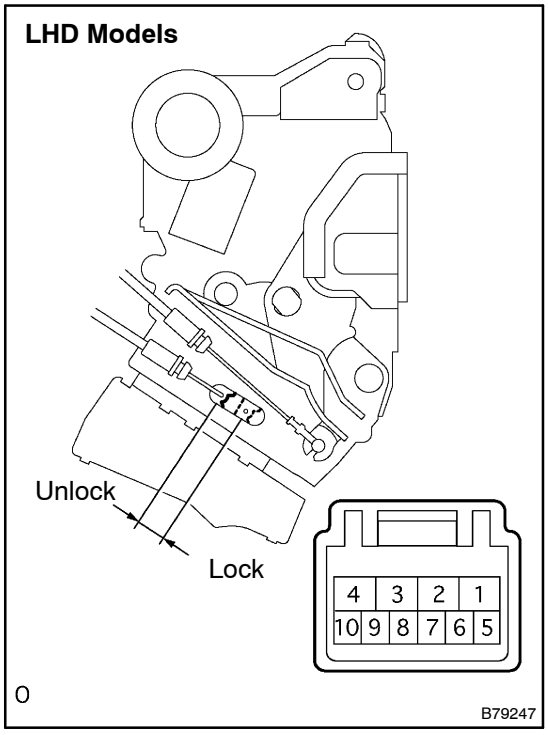
Standard:

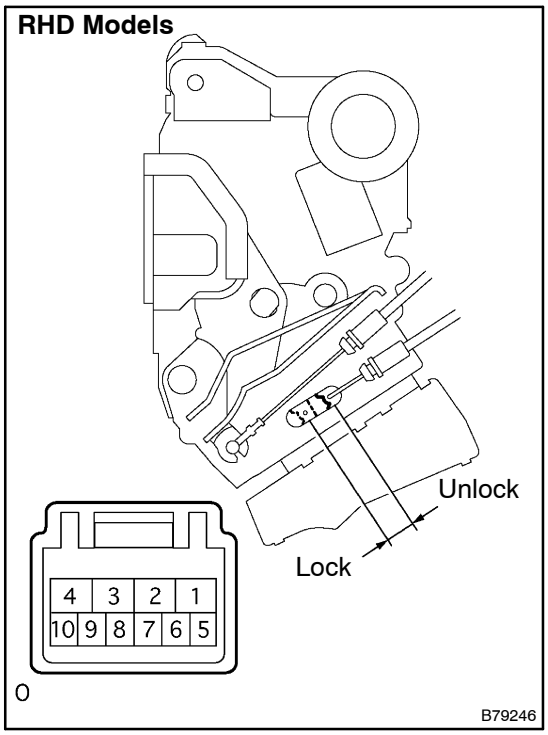
Door lock and unlock switch

(RHD models except Australia, Singapore and Hong Kong)

Tester Connection	Switch Condition	Specified Condition
6 – 8	Lock	Below 1 Ω
5 – 8 6 – 8	OFF	10 kΩ or higher
5 – 8	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.





2. INSPECT PASSENGER DOOR LOCK ASSY

(a) Apply battery voltage to the door lock and check operation of the door lock motor.

OK:

LHD and Australia, Singapore and Hong Kong models

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 4	Unlock

RHD models except Australia, Singapore and Hong Kong

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Lock
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Unlock

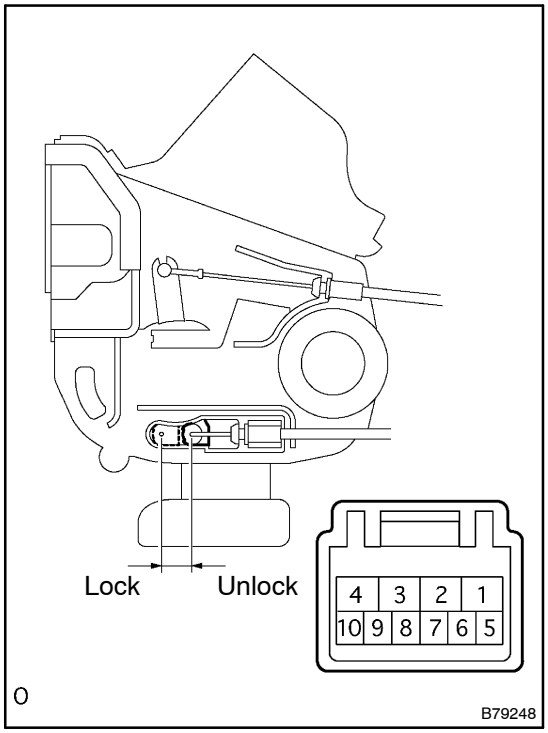
If the result is not as specified, replace the door lock assy.

(b) Measure the resistance of the position switch.

Standard:

Tester Connection	Switch Condition	Specified Condition
7 – 8	Lock	10 kΩ or higher
7 – 8	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.



3. INSPECT REAR DOOR LOCK ASSY LH

(a) Apply battery voltage to the door lock and check operation of the door lock motor.

OK:

LHD and Australia, Singapore and Hong Kong models

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 4	Unlock

RHD models except Australia, Singapore and Hong Kong

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Unlock

If the result is not as specified, replace the door lock assy.

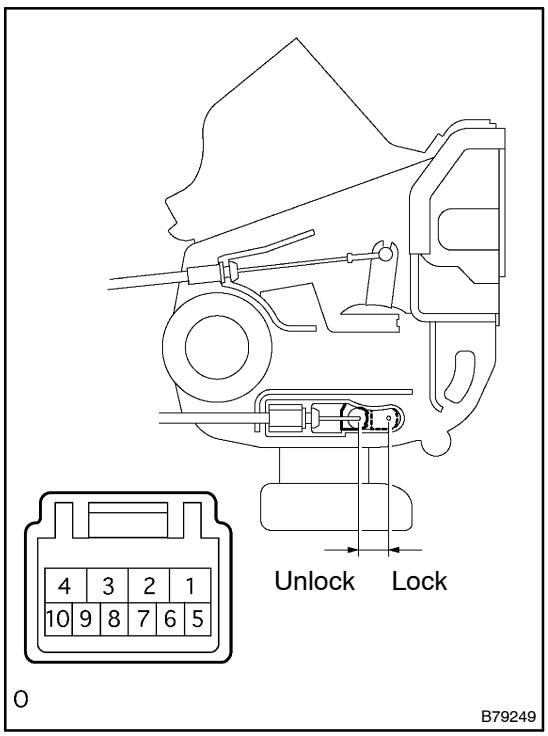
(b) Measure the resistance of the position switch.

Standard:

RHD models except Australia, Singapore and Hong Kong

Tester Connection	Switch Condition	Specified Condition
5 – 6	Lock	10 kΩ or higher
5 – 6	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.



4. INSPECT REAR DOOR LOCK ASSY RH

(a) Apply battery voltage to the door lock and check operation of the door lock motor.

OK:

LHD and Australia, Singapore and Hong Kong models

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 4	Unlock

RHD models except Australia, Singapore and Hong Kong

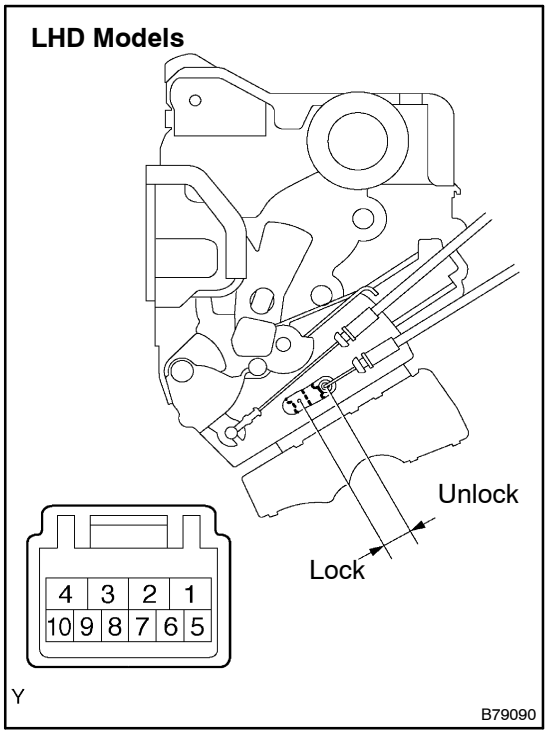
Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Lock
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Unlock

If the result is not as specified, replace the door lock assy.

(b) Measure the resistance of the position switch.
Standard:
RHD models except Australia, Singapore and Hong Kong

Tester Connection	Switch Condition	Specified Condition
9 – 10	Lock	10 kΩ or higher
9 – 10	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.



5. INSPECT DRIVER DOOR LOCK ASSY (W/ DOUBLE LOCK)

(a) Apply battery voltage to the door lock and check operation of the door lock motor.
OK:

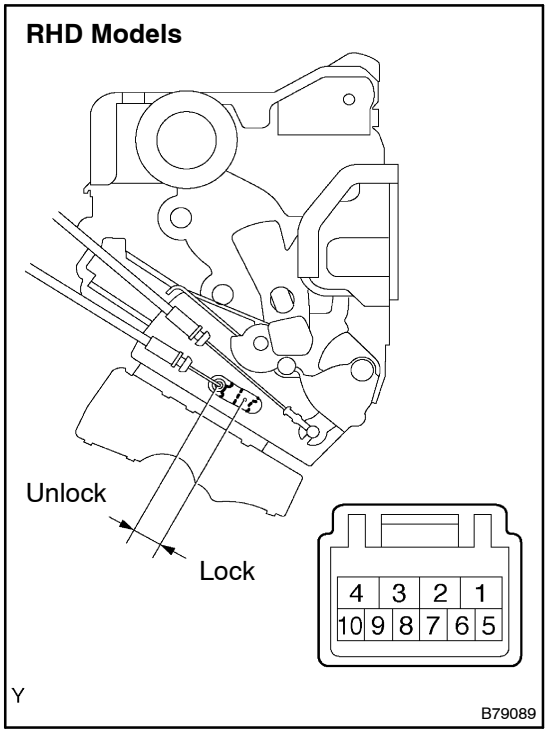
Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Unlock

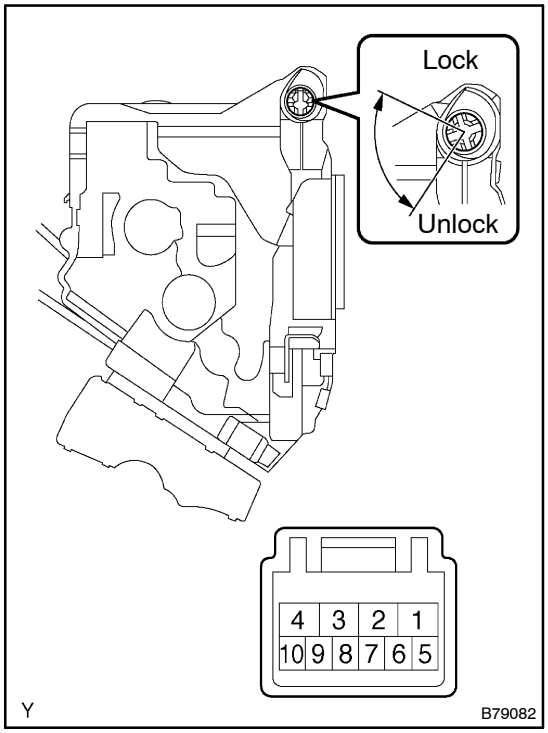
If the result is not as specified, replace the door lock assy.

(b) Measure the resistance of the position switch.
Standard:
Position Switch

Tester Connection	Switch Condition	Specified Condition
7 – 8	Lock	10 kΩ or higher
7 – 8	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.





(c) Measure the resistance of the door lock and unlock switch.

Standard:

Door lock and unlock switch

Tester Connection	Switch Condition	Specified Condition
6 – 8	Lock	Below 1 Ω
5 – 8 6 – 8	OFF	10 kΩ or higher
5 – 8	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.

(d) Check operation of the double lock motor.

(1) Apply battery voltage and set the door lock motor to the LOCK position.

(2) Apply battery voltage and check operation of the double lock motor.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Double lock system is set
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Double lock system is unset

If the result is not as specified, replace the door lock assy.

(3) While the double lock system is set, check that the doors cannot be unlocked by operating the control cable.

If the result is not as specified, replace the door lock assy.

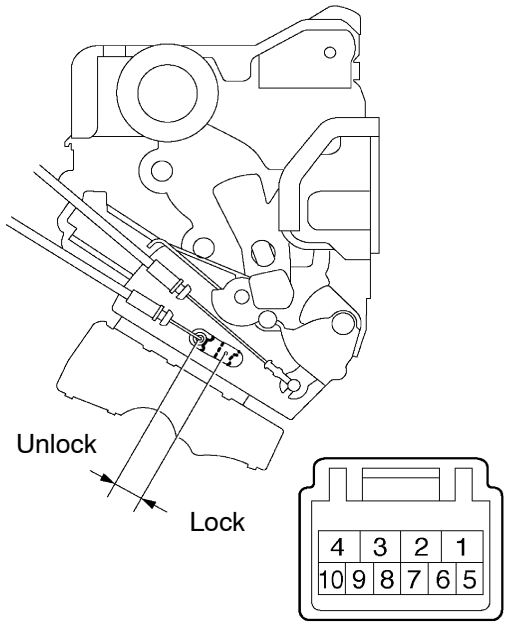
(e) Measure the resistance of the double lock position switch.

Standard:

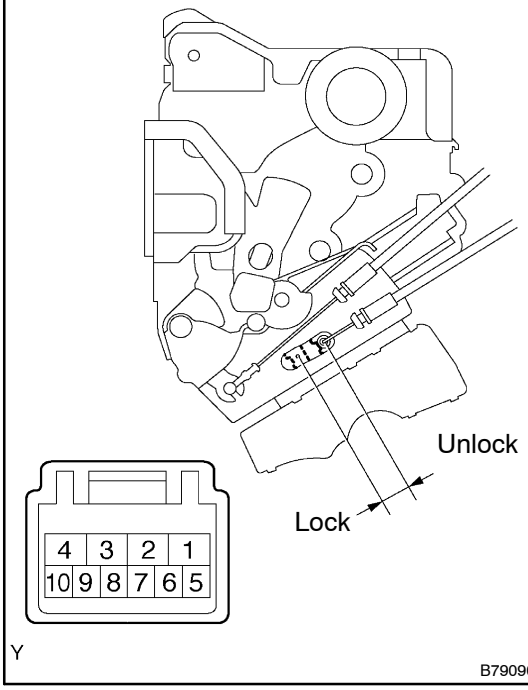
Tester Connection	Double Lock Condition	Specified Condition
9 – 10	SET	Below 1 Ω
9 – 10	UNSET	10 kΩ or higher

If the result is not as specified, replace the door lock assy.

LHD Models



RHD Models



6. INSPECT PASSENGER DOOR LOCK ASSY (W/ DOUBLE LOCK)

(a) Apply battery voltage and check operation of the door lock motor.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Lock
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Unlock

If the result is not as specified, replace the door lock assy.

(b) Measure the resistance of the position switch.

Standard:

Tester Connection	Switch Condition	Specified Condition
7 – 8	Lock	10 kΩ or higher
7 – 8	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.

(c) Check operation of the double lock motor.

(1) Apply battery voltage and set the door lock motor to the LOCK position.

(2) Apply battery voltage and operation of the double lock motor.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Double lock system is set
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Double lock system is unset

If the result is not as specified, replace the door lock assy.

(3) While the double lock system is set, check that the doors cannot be unlocked by operating the control cable.

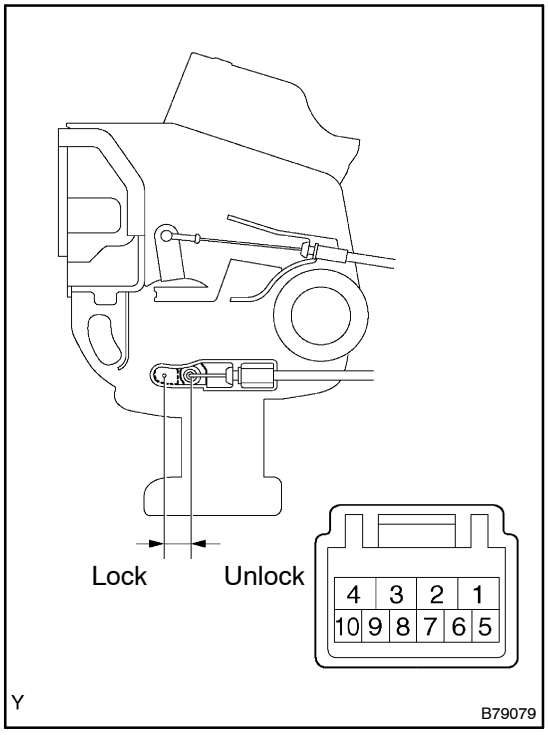
If the result is not as specified, replace the door lock assy.

(d) Measure the resistance of the double lock position switch.

Standard:

Tester Connection	Double Lock Condition	Specified Condition
5 – 6	SET	Below 1 Ω
5 – 6	UNSET	10 kΩ or higher

If the result is not as specified, replace the door lock assy.



7. INSPECT REAR DOOR LOCK ASSY LH (W/ DOUBLE LOCK)

(a) Apply battery voltage and check operation of the door lock motor.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Lock
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Unlock

If the result is not as specified, replace the door lock assy.

(b) Measure the resistance of the position switch.

Standard:

Tester Connection	Switch Condition	Specified Condition
5 – 6	Lock	10 kΩ or higher
5 – 6	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.

(c) Check operation of the double lock motor.

(1) Apply battery voltage and set the door lock motor to the LOCK position.

(2) Apply battery voltage and check operation of the double lock motor.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Double lock system is set
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Double lock system is unset

(3) While the double lock system is set, check that the doors cannot be unlocked by operating the control cable.

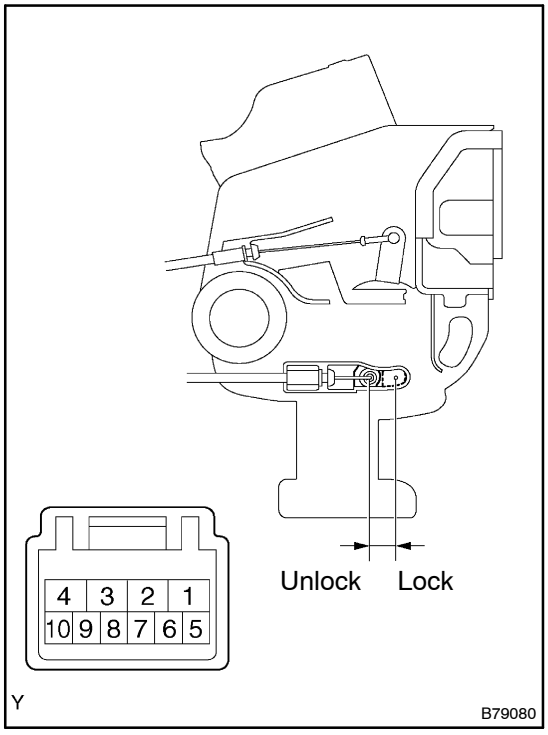
If the result is not as specified, replace the door lock assy.

(d) Measure the resistance of the double lock position switch.

Standard:

Tester Connection	Double Lock Condition	Specified Condition
9 – 10	SET	Below 1 Ω
9 – 10	UNSET	10 kΩ or higher

If the result is not as specified, replace the door lock assy.



8. INSPECT REAR DOOR LOCK ASSY RH (W/ DOUBLE LOCK)

(a) Apply battery voltage and check operation of the door lock motor.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Lock
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Unlock

If the result is not as specified, replace the door lock assy.

(b) Measure the resistance of the position switch.

Standard:

Tester Connection	Switch Condition	Specified Condition
9 – 10	Lock	10 kΩ or higher
9 – 10	Unlock	Below 1 Ω

If the result is not as specified, replace the door lock assy.

(c) Check operation of the double lock motor.

(1) Apply battery voltage and set the door lock motor to the LOCK position.

(2) Apply battery voltage and check operation of the double lock motor.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Double lock system is set
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Double lock system is unset

(3) While the double lock system is set, check that the doors cannot be unlocked by operating the control cable.

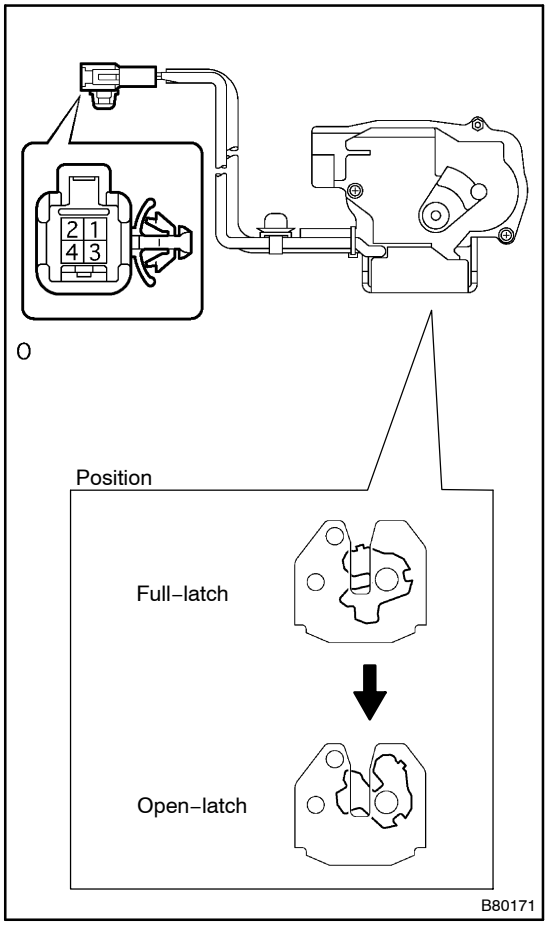
If the result is not as specified, replace the door lock assy.

(d) Measure the resistance of the double lock position switch.

Standard:

Tester Connection	Double Lock Condition	Specified Condition
5 – 6	SET	Below 1 Ω
5 – 6	UNSET	10 kΩ or higher

If the result is not as specified, replace the door lock assy.



9. INSPECT LUGGAGE COMPARTMENT DOOR LOCK ASSY

(a) Check operation of the door lock.

(1) Using a screwdriver, move the latch to the full–latch position.

(2) Apply battery voltage to the door lock and check operation of the latch.

OK:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 1	Latch turns to open–latch position

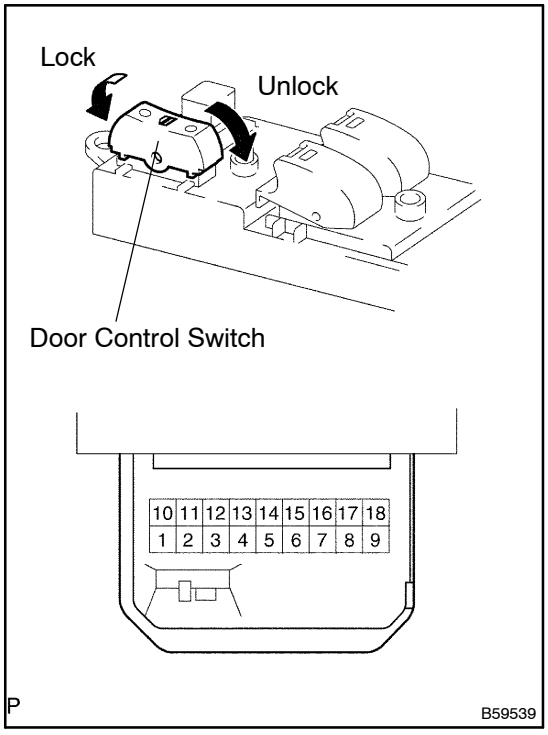
If the result is not as specified, replace the door lock assy.

(b) Measure the courtesy switch resistance.

Standard:

Tester Connection	Switch Position	Specified Condition
1 – 2	Open (ON)	Below 1 Ω
1 – 2	Full (OFF)	10 kΩ or higher

If the result is not as specified, replace the door lock assy.



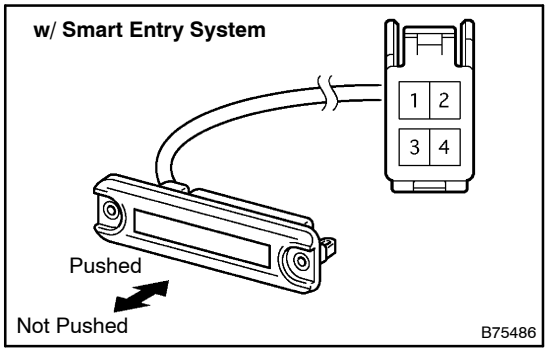
10. INSPECT POWER WINDOW REGULATOR MASTER SWITCH ASSY

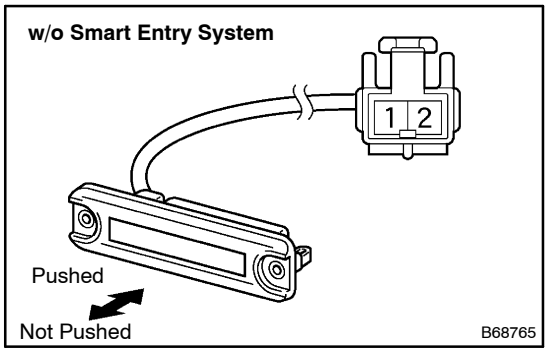
(a) Measure the resistance of the door control switch.

Standard:

Tester Connection	Switch Condition	Specified Condition
1 – 5	Lock	Below 1 Ω
1 – 5, 1 – 8	OFF	10 kΩ or higher
1 – 8	Unlock	Below 1 Ω

If the result is not as specified, replace the switch assy.





11. INSPECT LUGGAGE COMPARTMENT DOOR OPENER SWITCH ASSY

(a) Measure the resistance of the switch.

Standard:

Tester Connection	Switch Condition	Specified Condition
1 – 2	Pushed (ON)	Below 1 Ω
1 – 2	Not pushed (OFF)	10 kΩ or higher

If the result is not as specified, replace the switch assy.