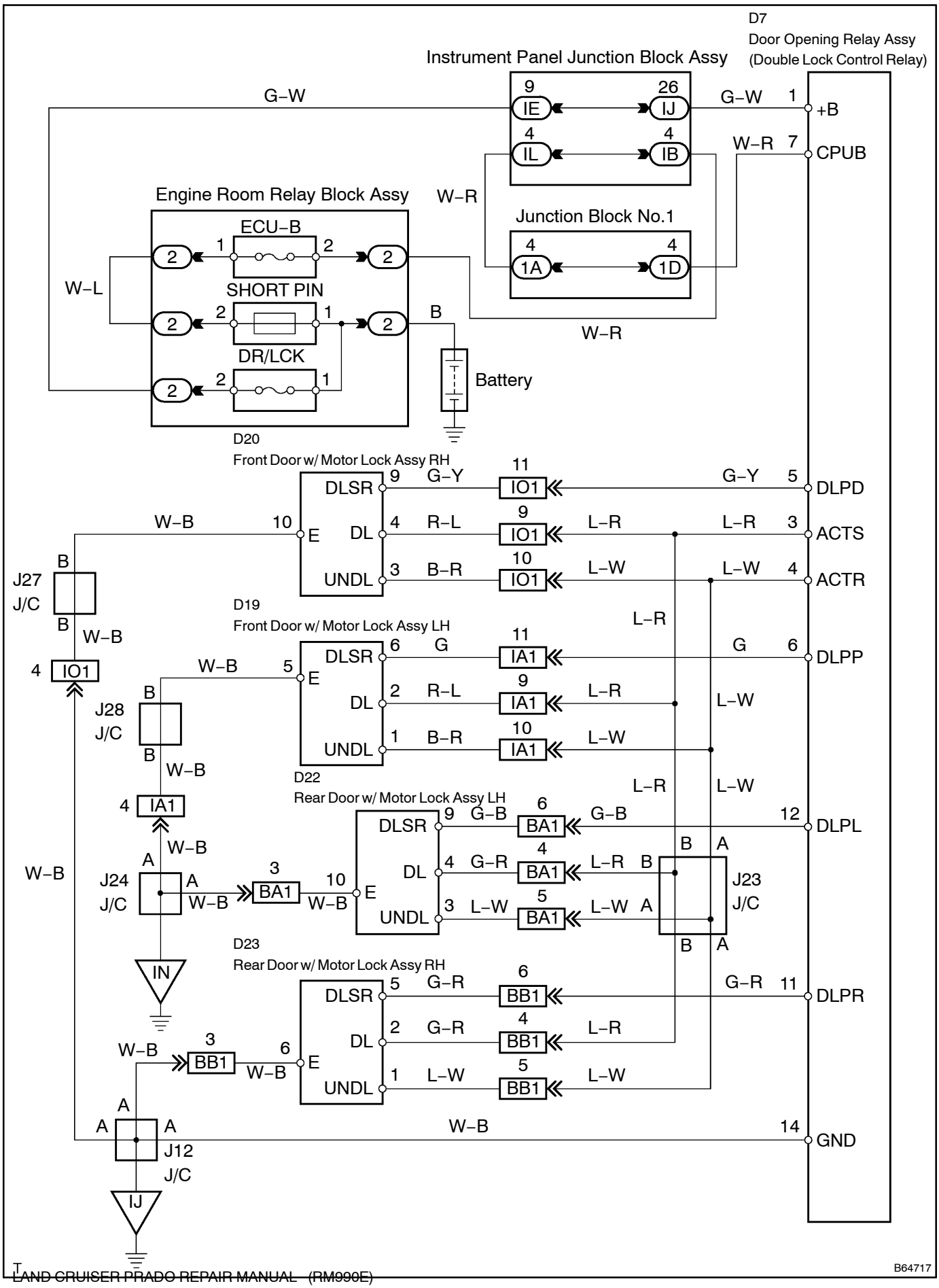
DOUBLE LOCK FUNCTION DOES NOT OPERATE PROPERLY

CIRCUIT DESCRIPTION

All the doors except the back door have the double locking system. This system is set or unset by the door opening relay assy (double lock control relay). When the door opening relay assy receives a request signal (See page 73–1) that the double locking system is set or unset from the wireless transmitter, it drives the double lock motor in each door lock according to the condition of all the double lock position switches, this causing the double locking system to set or unset.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT WIRELESS DOOR LOCK OPERATION

(a) Check that the doors can be normally locked and unlocked by the wireless operation.

NG → **GO TO WIRELESS DOOR CONTROL SYSTEM (See page 05–1699)**

OK

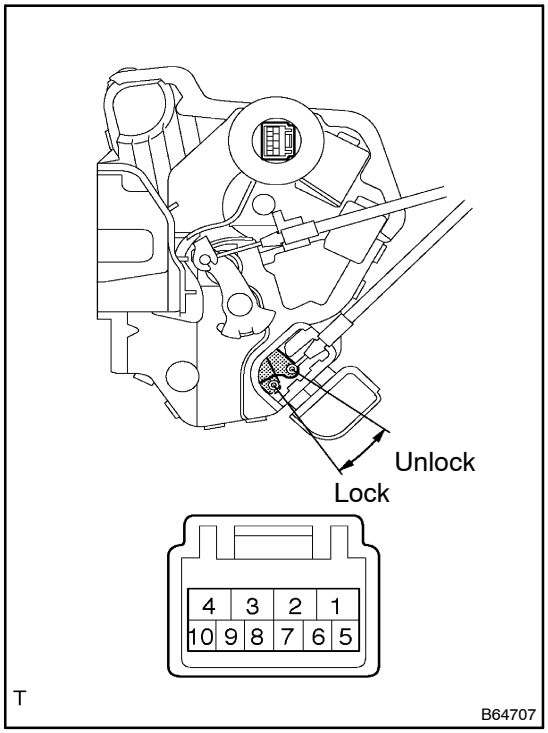
2	INSPECT FUSES

(a) Inspect the ECU–B fuse and R/LCK fuse. (See page 68–1)

NG → **REPLACE FUSES**

OK

3 INSPECT DOOR LOCK ASSY (EXCEPT BACK DOOR LOCK)



(a) Front Door w/Motor Lock Assy LH:
Inspect operation of the double lock motor.

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

Standard:

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

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

Standard:

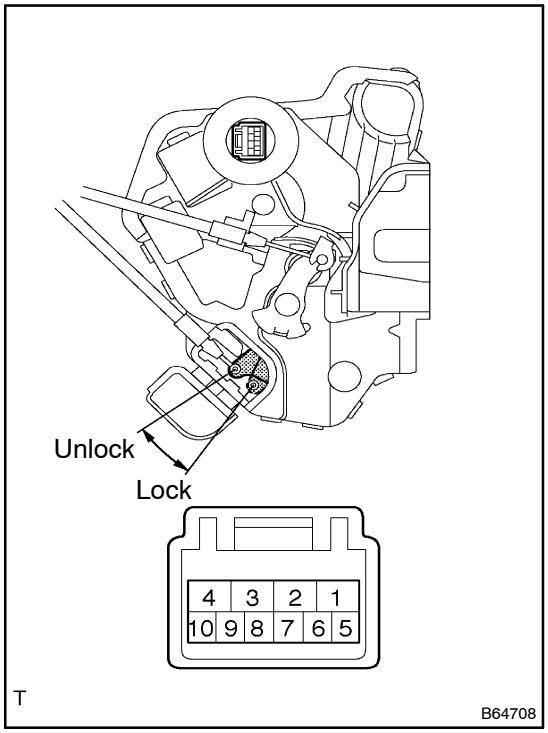
Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Double locking system is Set
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Double locking system is Unset

(3) Check that the doors cannot be unlocked by operating the control cable while the double locking system is set.

(4) Inspect the double lock position switch continuity.

Standard:

Terminal No.	Double Lock Position	Specified Condition
5 ⇔ 6	SET	Continuity
	UNSET	No continuity



(b) Front Door w/Motor Lock Assy RH:
Inspect operation of the double lock motor.

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

Standard:

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

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

Standard:

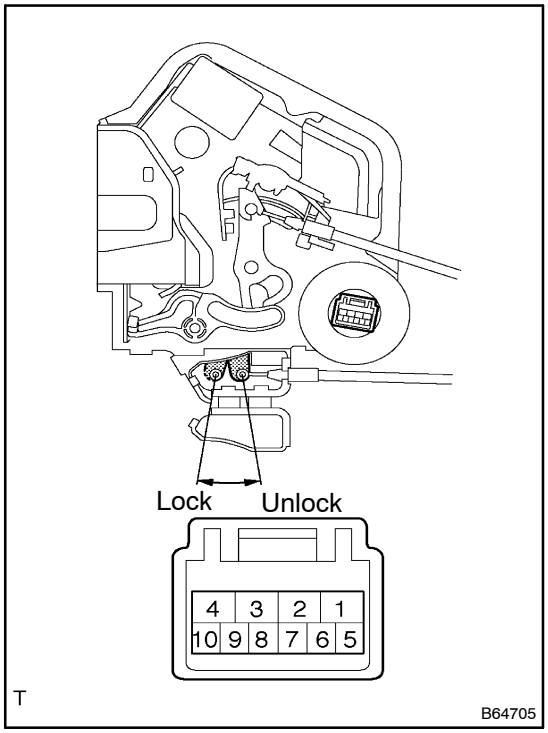
Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Double locking system is Set
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Double locking system is Unset

(3) Check that the doors cannot be unlocked by operating the control cable while the double locking system is set.

(4) Inspect the double lock position switch continuity.

Standard:

Terminal No.	Double Lock Position	Specified Condition
9 ⇔ 10	SET	Continuity
	UNSET	No continuity



(c) Rear Door w/Motor Lock Assy LH:
Inspect operation of the double lock motor.

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

Standard:

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

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

Standard:

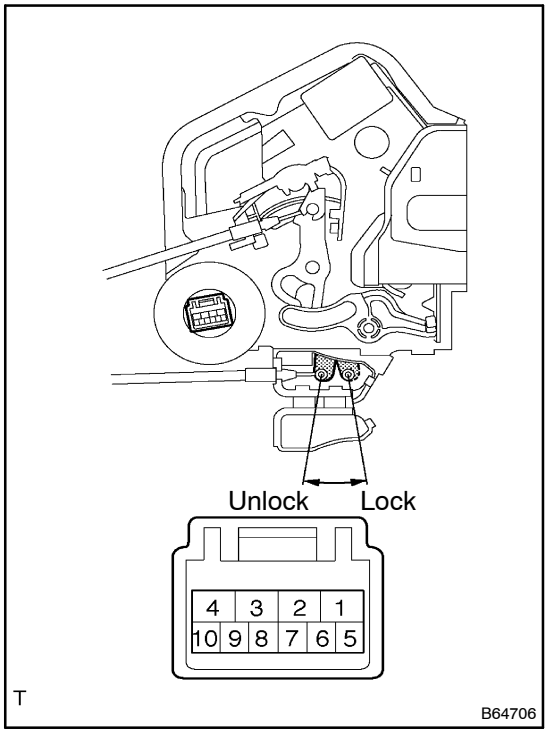
Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 Battery negative (–) → Terminal 3	Double locking system is Set
Battery positive (+) → Terminal 3 Battery negative (–) → Terminal 4	Double locking system is Unset

(3) Check that the doors cannot be unlocked by operating the control cable while the double locking system is set.

(4) Inspect the double lock position switch continuity.

Standard:

Terminal No.	Double Lock Position	Specified Condition
9 ⇔ 10	SET	Continuity
	UNSET	No continuity



(d) Rear Door w/Motor Lock Assy RH:
Inspect operation of the double lock motor.

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

Standard:

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

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

Standard:

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 2 Battery negative (–) → Terminal 1	Double locking system is Set
Battery positive (+) → Terminal 1 Battery negative (–) → Terminal 2	Double locking system is Unset

(3) Check that the doors cannot be unlocked by operating the control cable while the double locking system is set.

(4) Inspect the double lock position switch continuity.

Standard:

Terminal No.	Double Lock Position	Specified Condition
5 ⇔ 6	SET	Continuity
	UNSET	No continuity

NG → **REPLACE DOOR LOCK ASSY**

OK

REPLACE DOOR OPENING RELAY ASSY (DOUBLE LOCK CONTROL RELAY)