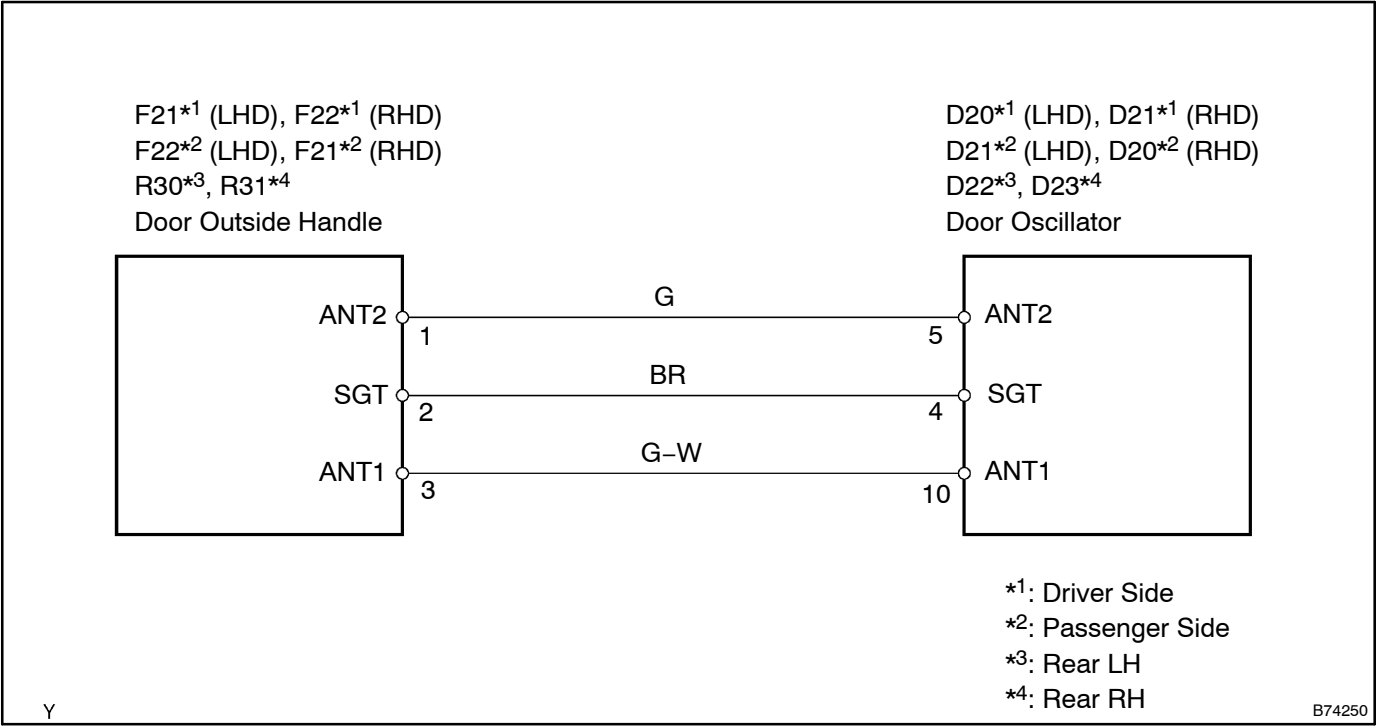


# ANTENNA CIRCUIT

## CIRCUIT DESCRIPTION

Terminals ANT1 and ANT2 of the door outside handle detect if the smart key is within the detection area around the door outside handle.

## WIRING DIAGRAM



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## INSPECTION PROCEDURE

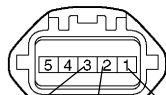
## 1 CHECK WIRE HARNESS (OUTSIDE DOOR HANDLE - DOOR OSCILLATOR)

## Wire Harness Side

F21\*1, \*6, F22\*2, \*5

R30\*3, R31\*4

Door Oscillator



ANT1 SGT ANT2

D20\*1, \*6, D21\*2, \*5

D22\*3, D23\*4

Door Oscillator



SGT ANT1 ANT2

\*1: Driver Side (LHD)

\*2: Passenger Side (LHD)

\*3: Rear LH

\*4: Rear RH

\*5: Driver Side (RHD)

\*6: Passenger Side (RHD)

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- (a) Disconnect the F21, F22, R30 and R31 outside handle connectors.
- (b) Disconnect the D20, D21, D22 and D23 door oscillator connectors.
- (c) Measure the resistance of the wire harness side connectors.

**Standard:****LHD models (Driver side)**

Tester Connection	Specified Condition
F21-1 (ANT2) - D20-5 (ANT2)	Below 1 $\Omega$
F21-2 (SGT) - D20-4 (SGT)	Below 1 $\Omega$
F21-3 (ANT1) - D20-10 (ANT1)	Below 1 $\Omega$

**LHD models (Passenger side)**

Tester Connection	Specified Condition
F22-1 (ANT2) - D21-5 (ANT2)	Below 1 $\Omega$
F22-2 (SGT) - D21-4 (SGT)	Below 1 $\Omega$
F22-3 (ANT1) - D21-10 (ANT1)	Below 1 $\Omega$

**LHD models (Rear LH)**

Tester Connection	Specified Condition
R30-1 (ANT2) - D22-5 (ANT2)	Below 1 $\Omega$
R30-2 (SGT) - D22-4 (SGT)	Below 1 $\Omega$
R30-3 (ANT1) - D22-10 (ANT1)	Below 1 $\Omega$

**LHD models (Rear RH)**

Tester Connection	Specified Condition
R31-1 (ANT2) - D23-5 (ANT2)	Below 1 $\Omega$
R31-2 (SGT) - D23-4 (SGT)	Below 1 $\Omega$
R31-3 (ANT1) - D23-10 (ANT1)	Below 1 $\Omega$

**RHD models (Driver side)**

Tester Connection	Specified Condition
F22-1 (ANT2) - D21-5 (ANT2)	Below 1 $\Omega$
F22-2 (SGT) - D21-4 (SGT)	Below 1 $\Omega$
F22-3 (ANT1) - D21-10 (ANT1)	Below 1 $\Omega$

**RHD models (Passenger side)**

Tester Connection	Specified Condition
F21-1 (ANT2) - D20-5 (ANT2)	Below 1 $\Omega$
F21-2 (SGT) - D20-4 (SGT)	Below 1 $\Omega$
F21-3 (ANT1) - D20-10 (ANT1)	Below 1 $\Omega$

**RHD models (Rear LH)**

Tester Connection	Specified Condition
R30-1 (ANT2) - D22-5 (ANT2)	Below 1 $\Omega$
R30-2 (SGT) - D22-4 (SGT)	Below 1 $\Omega$
R30-3 (ANT1) - D22-10 (ANT1)	Below 1 $\Omega$

RHD models (Rear RH

Tester Connection	Specified Condition
R31-1 (ANT2) - D23-5 (ANT2)	Below 1 Ω
R31-2 (SGT) - D23-4 (SGT)	Below 1 Ω
R31-3 (ANT1) - D23-10 (ANT1)	Below 1 Ω

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE  
(See page 05-2634)