

DOOR LOCK WIRES (TOYOTA/LEXUS)

- + Installing an aftermarket security or keyless entry system in some newer Lexus and Toyota vehicles require the door lock interface to take place in the passenger door.
 - ▶ To lock the vehicle you must supply a negative (-) pulse to the LOCK WIRE while interrupting the DOOR LOCK DETECTION WIRE with a relay.
 - ▶ To unlock the doors, you must provide a (-) negative pulse to the UNLOCK WIRE and the DOOR LOCK DETECTION WIRE using two diodes to isolate them. The lock/unlock wires are passenger door key cylinder wires.



NOTE:

This interface must be done inside the passenger door between the ECU and door lock actuator.

2000-Up Toyota Avalon

PASSENGER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
YELLOW	BLUE/WHITE	BLUE/YELLOW

1998-Up Lexus GS300, GS400 and GS430

DRIVER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
GRAY	PINK/BLACK	PINK/GREEN

PASSENGER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
GREEN	PINK/BLACK	PINK/GREEN

2001-Up Lexus IS300

DRIVER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
BLUE/BLACK	GREEN/RED	GREEN/BLACK

PASSENGER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
NONE	NONE	NONE

1999-2000 Lexus LS400

DRIVER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
GRAY	GREEN/ORANGE	GREEN

PASSENGER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
GRAY	GREEN/ORANGE	GREEN

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1998-Up LEXUS RX300

DRIVER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
GRAY	PINK	PINK/BLUE

PASSENGER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
GRAY	PINK	PINK/BLUE

2001-2003 Toyota Highlanders

DRIVER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
BROWN	GREEN	YELLOW

PASSENGER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
GRAY	BLUE/WHITE	LT.GREEN

*Passenger door lock wires can be found in the passenger kick panel. No need to go into the passenger door.

2004-Up Toyota Highlanders

DRIVER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
GREEN	PINK	PINK/BLUE

PASSENGER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
BROWN	PURPLE	BLUE

2001-Up Sequoias and 2004 Tundra Extra Cab

DRIVER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
RED/YELLOW	LT.GREEN/BLACK	LT.GREEN/RED

PASSENGER DOOR

DOOR LOCK DETECTION WIRE	DOOR LOCK WIRE	DOOR UNLOCK WIRE
RED/YELLOW	LT.GREEN/BLACK	LT.GREEN/RED

TO FIND THE DOOR LOCK WIRE WITH YOUR MULTI-METER:

- 1 Set to DC voltage
- 2 Attach the (-) probe to chassis ground
- 3 Probe the wire you suspect of being the door lock wire
- 4 When the switch is at rest, the meter should read 12V
- 5 Lock the door with the switch. The meter should read 0V or close to it. If it does, that is the correct wire.

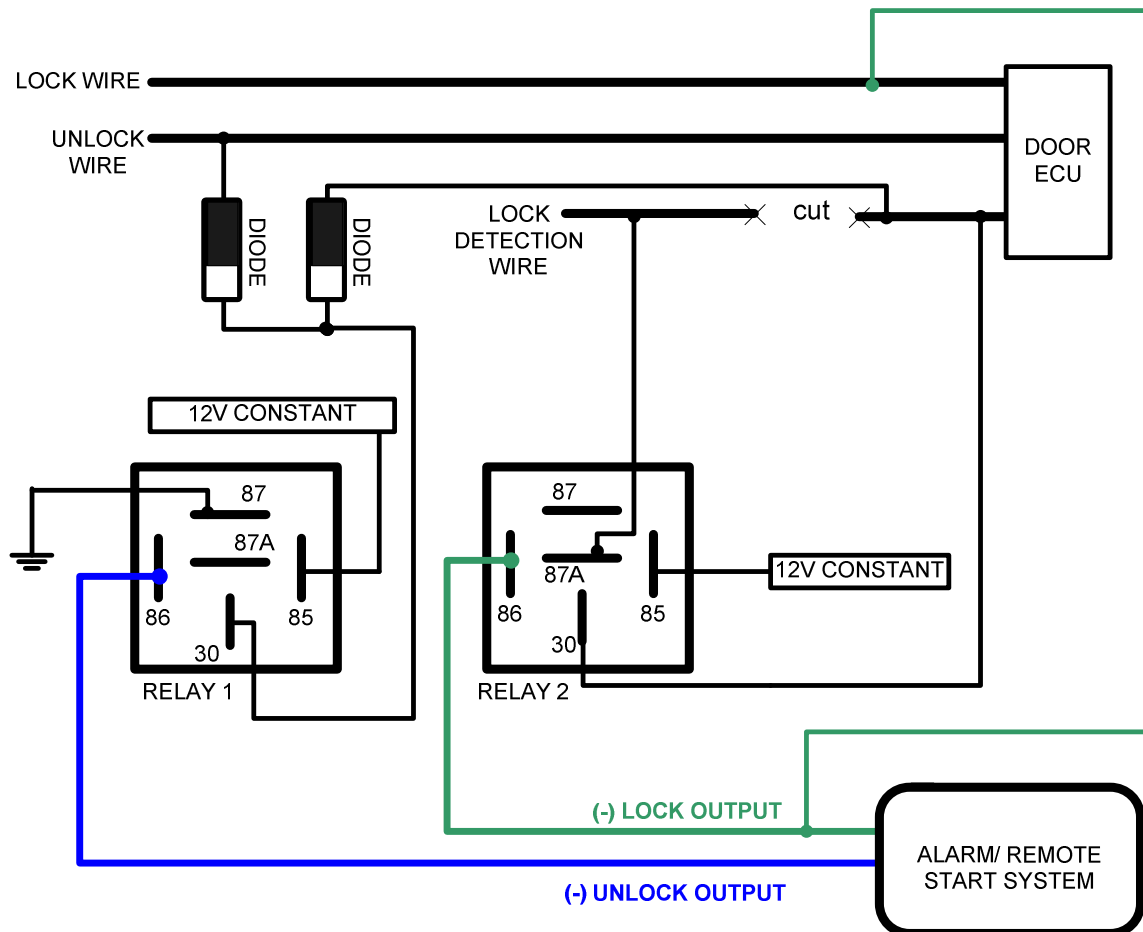
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TO FIND THE DOOR UNLOCK WIRE WITH YOUR MULTI-METER:

- 1 Set to DC voltage
- 2 Attach the (-) probe to chassis ground
- 3 Probe the wire you suspect of being the door unlock wire
- 4 When the switch is at rest, the meter should read 12V
- 5 Unlock the door with the switch. The meter should read 0V or close to it. If it does, that is the correct wire.

TO FIND THE DOOR LOCK DETECTION WIRE WITH YOUR MULTI-METER:

- 1 Set to DC voltage
- 2 Attach the (-) probe to chassis ground
- 3 Probe the wire you suspect of being the door lock detection wire
- 4 Unlock the door with the switch. The meter should read 0V or close to it. Lock the doors. The wire should test voltage or nothing at all. If it does, that is the correct wire.



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RELAY 1

PIN	CONNECTION
85	TO 12V CONSTANT
86	TO (-) UNLOCK OUTPUT FROM ALARM/REMOTE START SYSTEM
87	TO CHASSIS GROUND
87A	NO CONNECTION
30	TO UNLOCK WIRE AND DOOR ECU SIDE OF LOCK DETECTION WIRE THROUGH DIODES

RELAY 2

PIN	CONNECTION
85	TO 12V CONSTANT
86	TO (-) LOCK OUTPUT FROM ALARM/REMOTE START SYSTEM
87	NO CONNECTION
87A	TO LOCK DETECTION WIRE – CAR SIDE
30	TO LOCK DETECTION WIRE – DOOR ECU SIDE

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