

2006+ Toyota Yaris Remote Start Wiring Guide

Note:

This guide assumes that the user has a good working knowledge of automotive electrical systems. The user assumes all liability for any damage resulting from attempting to install a remote start system. This guide details the wiring connections. Consult the remote starter and transponder key bypass module (if required) installation guides for configuration and programming information.

Introduction:

This guide covers installation of a remote starter on a 2006+ Toyota Yaris. It includes additional information specific to Yaris equipped with the engine immobilizer and ones equipped with power locks without keyless entry (adding keyless entry as part of the remote start system). **Note that the color of some of the wires may vary between the model years, but the connector pin position is the same for all connections for 2006 through 2010 Yaris.**

Tools Required:

#2 Phillips Screwdriver
Wire cutter and Wire Stripper
Soldering Iron (if soldering rather than using splice taps).

Parts Required:

Remote Starter
Transponder Key Bypass Module (if equipped with Engine Immobilizer)
Splice taps (quantity ~20) or heat shrink tubing and/or electrical tape (if soldering connections)
¼" Female Spade Connector (quantity 1)
¼" Ring Terminal Connector (quantity 1)

Remote Starter Options:

The simplest installation would involve installing a remote starter that does not include keyless entry. If the Yaris is equipped with the power package a remote starter with keyless entry will add the benefits of remote lock/unlock. For Yaris equipped with factory remote entry an add on remote starter will allow the OEM remote to remotely start the Yaris (typically by pressing a pattern of the existing buttons, such as pressing the lock button twice within 3 seconds). Manual transmission Yaris will require either a remote starter designed for manual transmission cars (which typically requires a sequence of steps to be performed before exiting the car to arm the remote starting mode) or a home made neutral safety switch (Google DIY neutral safety switch for more information).

Examples (There are many to choose from – Here are a couple of examples of each type):

Remote start only for Yaris without power door locks:

Hornet 569T

Viper 4203V

Remote start with keyless entry for Yaris with power door locks:

Valet 562T, 561R

Viper 4102V, 4202V, 4702V

Ultra Start 1270, 1280 XR Pro

Remote start add on for Yaris with factory keyless entry:

Valet 561T

Ultra Start 1155tl

Remote start for Yaris with manual transmission:

Ultra Start 1271 M

Galaxy 2000RS-M, 5000RS-M

Valet RS111M

Transponder key bypass module (which do not require you to bury a key within the dash):

Fortin Key Override-SL2

Fortin Key Override-ALL

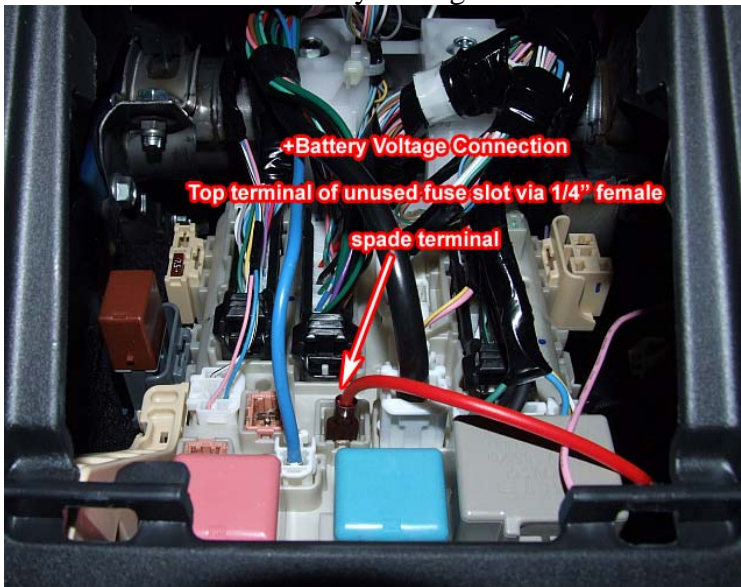
Determining if your Yaris requires a transponder key bypass module:

If your Yaris has the Engine Immobilizer a transponder key bypass module will be required. If you are not sure that your Yaris has the Engine Immobilizer, consult the pictures below.

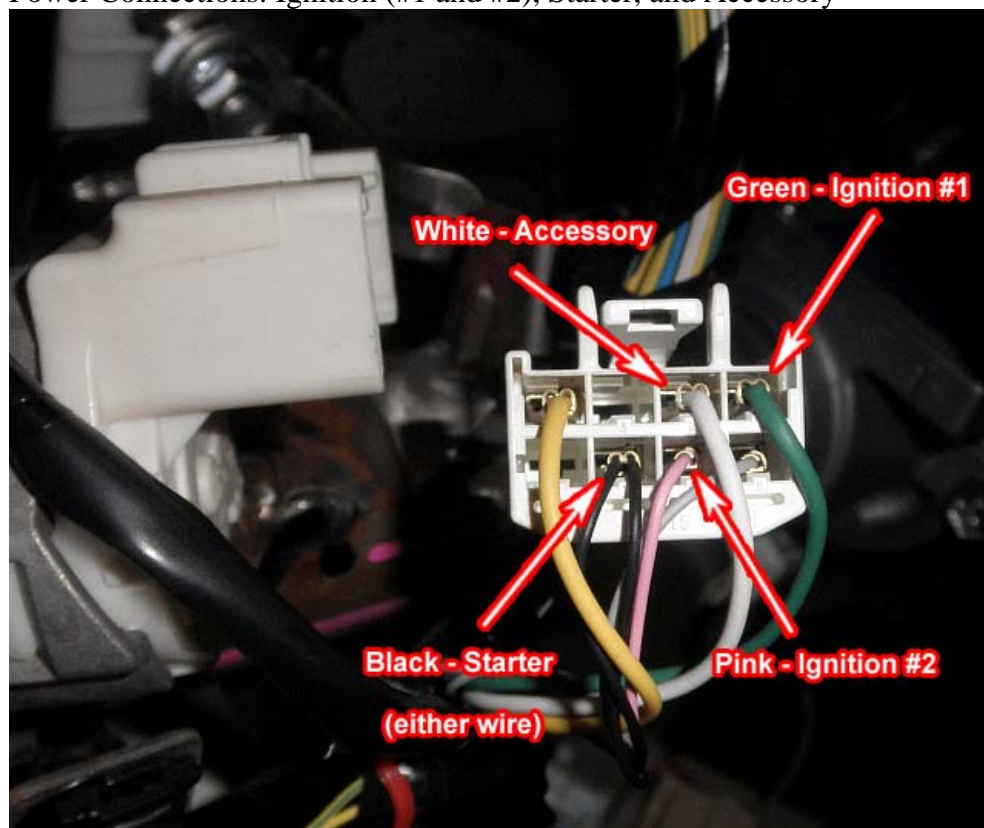


Remote Start Power Connections:

Connection	Location on Yaris	Conn/Pin on Yaris	Wire Color on Yaris
Power for remote start module (+Battery voltage)	Under dash fuse panel	Unused fuse location (See picture below)	N/A (Spade terminal connection)
Ground for remote start module (chassis ground)	Driver's kick panel	Chassis ground bolt (See picture below)	N/A (Ring terminal connection)
Ignition	Ignition Switch Connector	Conn D8, Pin 1	Green Wire
Ignition #2	Key Switch Connector	Conn D8, Pin 6	Pink Wire
Starter	Key Switch Connector	Conn D8, Pin 7	Black Wire
Accessory	Key Switch Connector	Conn D8, Pin 2	White Wire

Power Connection: +Battery Voltage**Power Connection: Chassis Ground**

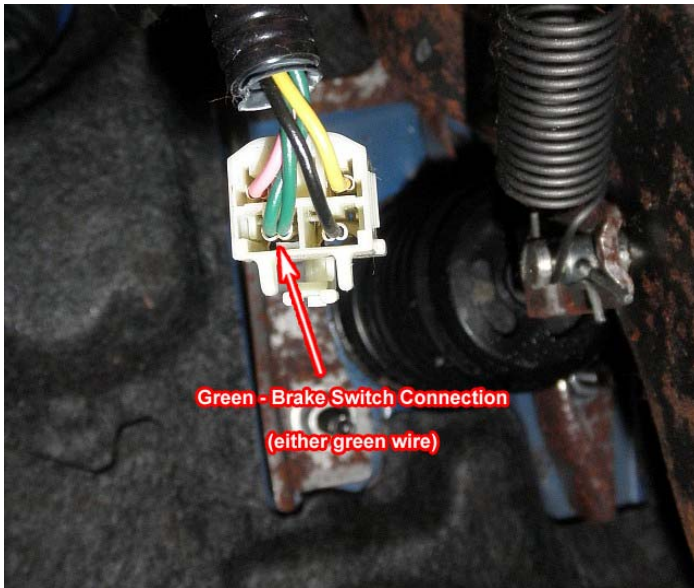
Power Connections: Ignition (#1 and #2), Starter, and Accessory



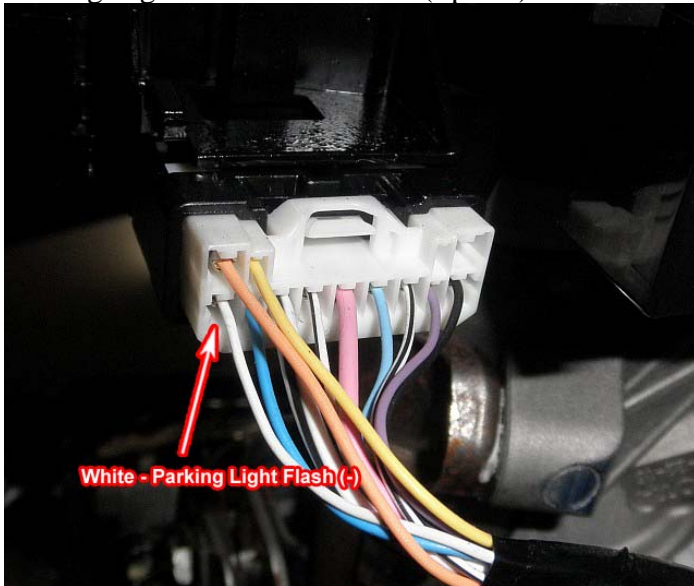
Remote Start Other Connections:

Connection	Location on Yaris	Conn/Pin on Yaris	Wire Color on Yaris
Brake Switch	Top of brake pedal arm	Conn A13, Pin 1	Green Wire
Parking Lights (negative {-} pulse) (Some remote starters require a configuration jumper change for negative pulsed parking lights – Check your remoter starter’s installation manual)	Headlight switch connector	Conn D4, Pin 13	White Wire
Parking Lights (Positive {+} pulse) (Some remote starters only support positive pulse for parking light flash – Check your remoter starter’s installation manual)	Under dash fuse panel	Conn 4A, Pin 29	Green Wire
Tach Signal	OBD connector, just below under dash fuse panel	Conn D15, Pin 9	Beige Wire (08+) Light Green Wire (06-07)
Horn	Spiral cable connector on steering column	Conn D3, Pin 8	Black Wire
Hood Safety Switch	Yaris is not equipped with one, so you must install the one included with your remote starter	N/A	N/A

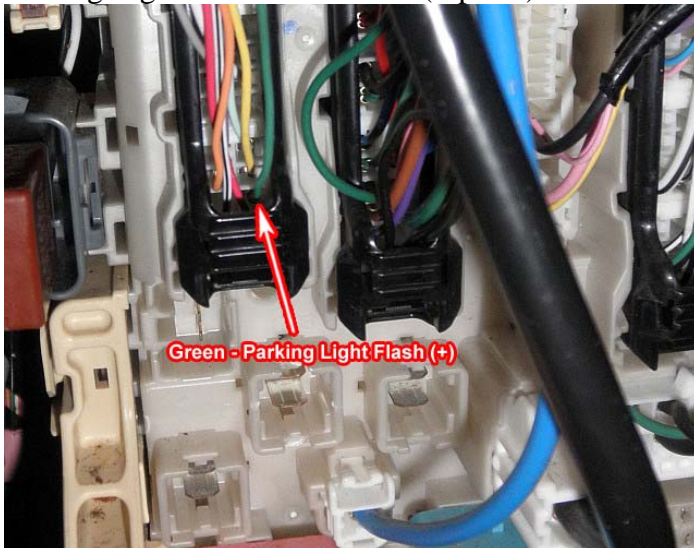
Brake Switch Connection



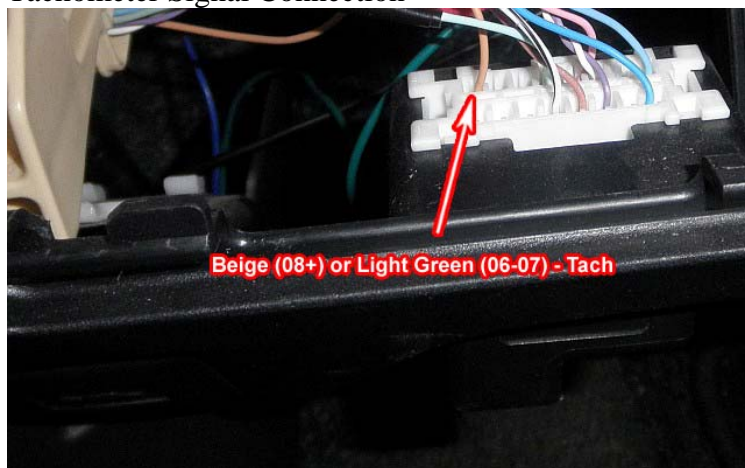
Parking Light Flash Connection (- pulse)



Parking Light Flash Connection (+ pulse)



Tachometer Signal Connection



Horn Output Connection

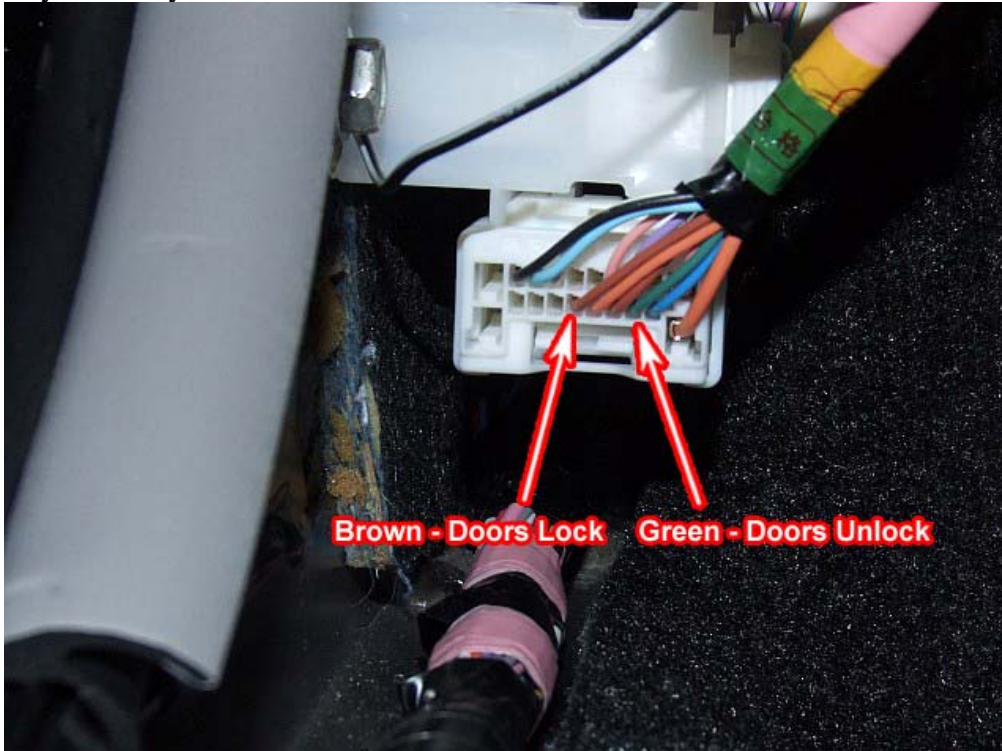


Keyless Entry Connections (For Yaris with factory power door locks):

Connection	Location on Yaris	Conn/Pin on Yaris	Wire Color on Yaris
Doors Lock (- pulse)	Driver's side kick panel	Conn GD1, Pin 5	Brown Wire
Doors Unlock (- pulse)	Driver's side kick panel	Conn GD1, Pin 8	Green Wire

Note: By default a double pulse is required to unlock all doors (first pulse unlocks driver's door, second unlocks all others).

Keyless Entry Connections



Transponder Key Bypass Module Connections (For Yaris with Engine Immobilizer):

Connection	Location on Yaris	Conn/Pin on Yaris	Wire Color on Yaris
RX (Data In)	Connector on back of ignition switch	Conn D24, Pin 4	Green Wire
TX (Data Out)	Connector on back of ignition switch	Conn D24, Pin 5	Violet Wire
- While Running	Connect to remote starter module output (See remote starter installation manual)	N/A	N/A
Key Sense	2 Pin connector on side of ignition switch	Conn D19, Pin 1	Yellow Wire

