


2016 Toyota Prius v (Smart Key) - Wire Sheet

Item	Wire Color	Polarity	Wire Location	Note
12 Volts	white (125A)	+	dash fuse box, white 1 pin plug (2E), pin 1	
Second 12 Volts	green (30A)	+	dash fuse box, white 36 pin plug (2D), pin 13	
Starter	black (SS1)	-	power start/stop switch, gray 14 pin plug, pin 7	
Second Starter	yellow (SS2)	-	power start/stop switch, gray 14 pin plug, pin 2	
Ignition	red	+	dash fuse box, white 40 pin plug (2C), pin 2	
Second Ignition	black	+	dash fuse box, rear, white 40 pin plug (2B), pin 25	
Third Ignition	N/A			
Accessory	green	+	dash fuse box, rear, white 56 pin plug (2A), pin 43	
Second Accessory	N/A			
Third Accessory	N/A			
Keysense	N/A			
Data Bus	blue (RX); purple (TX)	data	power start/stop switch, gray 14 pin plug, pins 10, 9	
Can Bus High	black	data	data link connector, white 16 pin plug, pin 6	
Can Bus Low	white	data	data link connector, white 16 pin plug, pin 14	
Can Bus Sw	purple (BRX); green (BTX)	data	Body ECU on dash fuse box, white 30 pin plug, pins 4, 16	
Power Lock	pink (passenger door switch)	-	Body ECU on dash fuse box, white 30 pin plug, pin 9	
Power Unlock	lt. blue (passenger door switch)	-	Body ECU on dash fuse box, white 30 pin plug, pin 10	
Lock Motor	red	5 wire	driver kick, white 12 pin plug, pin 7	
Driver Unlock Motor	black	5 wire	driver kick, white 12 pin plug, pin 1	
Passenger Unlock Motor	purple	5 wire	dash fuse box, white 36 pin plug (2D), pin 11	
Parking Lights (-)	yellow	-	Body ECU on dash fuse box, white 30 pin plug, pin 30	
Parking Lights (+)	green	+	dash fuse box, white 36 pin plug (2D), pin 18	
Hazards	gray	-	hazard switch, black 8 pin plug, pin 3	
Turn Signal (Left)	yellow	+	dash fuse box, white 36 pin plug (2D), pin 17	
Turn Signal (Right)	lt. blue	+	dash fuse box, white 36 pin plug (2D), pin 4	
Headlight	pink	-	Body ECU on dash fuse box, white 30 pin plug, pin 29	
AutoLights	green (interrupt to turn off autolights)	-	Body ECU on dash fuse box, wht 30 pin plug, pin 28	
Reverse Light	red	+	driver kick, white 76 pin plug, pin 1	
Left Front Door Trigger	yellow	-	dash fuse box, white 36 pin plug (2D), pin 35	
Right Front Door Trigger	brown	-	dash fuse box, white 36 pin plug (2D), pin 36	
			Body ECU on dash fuse box, wht 30	

Left Rear Door Trigger	green	-	pin plug, pin 6
Right Rear Door Trigger	(same as left rear door trigger)		
Dome Supervision	pink	-	dash fuse box, rear, white 56 pin plug (2A), pin 52
Trunk/Hatch Pin	blue	-	Body ECU on dash fuse box, white 30 pin plug, pin 19
Rear Glass Pin	N/A		
Hood Pin	N/A		
Trunk/Hatch Release	gray (rear handle switch)	-	driver kick, white 76 pin plug, pin 4
Trunk Release Motor	yellow	5 wire	dash fuse box, white 36 pin plug (2D), pin 9
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	green (driver door key lock)	-	Body ECU on dash fuse box, white 30 pin plug, pin 11
Factory Alarm Disarm	purple (driver door key unlock)	double -	Body ECU on dash fuse box, white 30 pin plug, pin 24
Disarm No Unlock	(smart key and push-button start)		
Trunk Alarm Shunt	N/A		
Tachometer	lt. green	ac	data link connector, white 16 pin plug, pin 9
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	red	+	driver kick, white 10 pin plug, pin 8
Rear Defroster	lt. blue	-	A/C Amplifier under front of center console, white 40 pin plug, pin 20
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	beige	+	seat heater switch, black 8 pin plug, pin 3
Right Front Heated Seat	gray	+	seat heater switch, black 8 pin plug, pin 6
Speed Sense	blue	ac	radio, white 28 pin plug, pin 17
Brake Wire	green to blue	+	brake switch or driver kick, white 10 pin plug, pin 5
Parking Brake	red	-	dash fuse box, white 40 pin plug (2C), pin 20
Horn Trigger	lt. blue	-	dash fuse box, white 40 pin plug (2C), pin 24
Wipers	red (LO); white (HI); black (ignition)	+	wiper switch, white 10 pin plug, pins 3, 4, 2
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	(motor is part of module)		
Left Rear Window (Up/Down)	(motor is part of module)		

Right Rear Window (Up/Down)	(motor is part of module)			
Sun Roof (Open/Close)	lt. green - white (function with ignition on only)	-	driver kick, white 76 pin plug, pins 25 - 26	
Sun Roof (Limit/Close)	N/A			
Memory Seat 1	N/A			
Memory Seat 2	N/A			
Memory Seat 3	N/A			
Radio 12V	lt. blue	+	radio, white 10 pin plug, pin 4	
Radio Ground	white/black	-	radio, white 10 pin plug, pin 7	
Radio Ignition	gray	+	radio, white 10 pin plug, pin 3	
Radio Illumination	green (parking lights); white/black (dimmer)	+,-	radio, white 10 pin plug, pin 10; white 6 pin plug, pin 5	
Factory Amp Turn-on	N/A			
Power Antenna	beige (some models only)	+	radio, white 10 pin plug, pin 8	
Left Front Speaker (+/-)	pink - purple	+,-	radio, white 10 pin plug, pins 2 - 6	
Right Front Speaker (+/-)	lt. green - blue or red - black	+,-	radio, white 10 pin plug, pins 1 - 5	
Left Rear Speaker (+/-)	black - yellow	+,-	radio, white 6 pin plug, pins 2 - 6	
Right Rear Speaker (+/-)	red - white	+,-	radio, white 6 pin plug, pins 1 - 3	
Center Channel (+/-)	N/A			
Subwoofer (+/-)	N/A			
Aux. Audio Input Left (+/-)	red - white	+,-	radio, white 28 pin plug, pins 28 - 27	
Aux. Audio Input Right (+/-)	black - white	+,-	radio, white 28 pin plug, pins 26 - 27	
RSE Video (+/-)	red - black (rear view camera video)	+,-	radio, white 24 pin plug, pins 12 - 24	
RSE Audio Left (+/-)	N/A			
RSE Audio Right (+/-)	N/A			
Satellite Radio 12 Volts	red	+	sat radio below radio, white 8 pin plug, pin 4	
Satellite Radio Ground	black	-	sat radio below radio, white 8 pin plug, pin 8	
Satellite Radio Ignition	yellow	+	sat radio below radio, white 8 pin plug, pin 3	
Satellite Radio Antenna	(coaxial cable)			
Satellite Audio Left (+/-)	(DIN cable)			
Satellite Audio Right (+/-)	(DIN cable)			
Headunit	irregular		center of dash	
Left Front Speaker	7 x 10		left front door	
Left Front Tweeter	2.2 or 1		left front dash	

Right Front Speaker	7 x 10		right front door	
Right Front Tweeter	2.2 or 1		right front dash	
Left Rear Speaker	6.3 or 7		left rear door	
Left Rear Tweeter	1		left rear door	
Right Rear Speaker	6.3 or 7		right rear door	
Right Rear Tweeter	1		right rear door	
Center Channel	N/A			
Subwoofer	N/A			
Left Front Headrest				
Right Front Headrest				
Left Rear Headrest				
Right Rear Headrest				
Satellite Radio Tuner			below radio	