

2013 Hyundai Tucson



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (40A)	+	ignition switch, white 6 pin plug, pin 1
Second 12 Volts	pink (30A)	+	ignition switch, white 6 pin plug, pin 5
Starter	green	+	ignition switch, white 6 pin plug, pin 3
Second Starter	N/A		
Ignition	pink	+	ignition switch, white 6 pin plug, pin 4
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	blue	+	ignition switch, white 6 pin plug, pin 2
Second Accessory	white	+	ignition switch, white 6 pin plug, pin 6
Third Accessory	N/A		
Key Sense	pink	-	key switch, white 6 pin plug, pin 4
Data Bus	blue (EMS COM immobilizer data)	data	driver kick, blue 15 pin plug, pin 1
Can Bus High	blue (B-CAN); green (C-CAN)	data	instr cluster, wht 24 pin plug, pin 8; data link conn, blk 16 pin plg, pin 6
Can Bus Low	red (B-CAN); orange (C-CAN)	data	instr cluster, wht 24 pin plug, pin 9; data link conn, bk 16 pin plg, pin14
Can Bus Sw	N/A		
Power Lock	blue/black	-	dash fuse box, white 40 pin plug (D), pin 37
Power Unlock	gray/black (all doors); yel/blk (driver door only)	-	dash fuse box, wht 40 pin plug (D), pin 36; rear, wh 28 pin plg(F), pin8
Lock Motor	orange	5 wire	dash fuse box, white 20 pin plug (E), pin 9
Unlock Motor	green	5 wire	driver kick, gray 24 pin plug, pin 10
Disarm Defeat	blue	5 wire	dash fuse box, white 20 pin plug (E), pin 8
Parking Lights (+)	green (L); yellow (R)	+	dash fuse box, white 40 pin plug (D), pins 2, 1
Parking Lights (-)	yellow	-	headlight switch, white 13 pin plug, pin 1
Hazards	yellow	-	hazard switch, white 6 pin plug, pin 5
Turn Signal (Left)	white	+	turn signal switch, white 13 pin plug, pin 11
Turn Signal (Right)	pink	+	turn signal switch, white 13 pin plug, pin 13

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	blue	-	headlight switch, white 13 pin plug, pin 4
AutoLights	yellow (interrupt to turn off autolights)	-	headlight switch, white 13 pin plug, pin 3
Reverse Light	red	+	dash fuse box, white 20 pin plug (E), pin 1
Left Front Door Trigger	green/orange	-	dash fuse box, white 40 pin plug (D), pin 24
Right Front Door Trigger	pink/black	-	dash fuse box, white 40 pin plug (D), pin 25
Left Rear Door Trigger	yellow/black	-	dash fuse box, white 40 pin plug (D), pin 19
Right Rear Door Trigger	gray/black	-	dash fuse box, white 40 pin plug (D), pin 26
Dome Supervision	brown	-	left front pillar, white 26 pin plug, pin 8
Trunk/Hatch Pin	white	-	dash fuse box, white 40 pin plug (D), pin 39
Rear Glass Pin	N/A		
Hood Pin	red	-	dash fuse box, white 28 pin plug (C), pin 21
Trunk Hatch/Release	yellow/black (rear handle switch)	-	dash fuse box, white 40 pin plug (D), pin 35
Trunk Release Motor	blue	+	dash fuse box, white 20 pin plug (E), pin 10
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	red (key lock); gray (detection) (Tech Doc 1300)	- and open	dash fuse box, white 40 pin plug (D), pins 34, 31
Factory Alarm Disarm	pink (key unlock); gray (detection)(Tech Doc 1300)	both -	dash fuse box, white 40 pin plug (D), pins 28, 31
Disarm No Unlock	(transponder and ignition or ign on for 30 sec)		
Trunk Alarm Shunt	N/A		
Tachometer	brown, gray, blue, or green	ac	any fuel injector, black 2 pin plug, pin 2
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	white	-	clutch switch, white 2 pin plug, pin 2
Fuel Pump	pink	+	driver kick, blue 15 pin plug, pin 6
Rear Defroster	green/orange (rear); blue (front)	- latched	dash fuse box, white 28 pin plug (C), pins 14, 28
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	blue (L); white (H)	+	driver kick, blue 22 pin plug, pins 3, 2
Right Front Heated Seat	blue (L); white (H)	+	driver kick, blue 22 pin plug, pins 13, 12

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	brown	4-Pulse	data link connector, black 16 pin plug, pin 3
Brake Wire	green	+	brake switch, wht 4 pin plg, pin 1 or driver kick, wht 24 pin plg, pin 6
Parking Brake	gray/orange	-	dash fuse box, white 40 pin plug (D), pin 20
Horn Trigger	gray	-	driver kick, white 24 pin plug, pin 20
Wipers	green (LO); pink (HI); yellow (ignition)	+	wiper switch, white 14 pin plug, pins 3, 9, 10
Left Front Window (Up/Down)	white - pink (without safety power window only)	A	power window main switch, white 16 pin plug, pins 7 - 8
Right Front Window (Up/Down)	gray - green	A	driver kick, door harness
Left Rear Window (Up/Down)	pink - brown	A	driver kick, door harness
Right Rear Window (Up/Down)	blue - orange	A	driver kick, door harness
Sun Roof (Open/Close)	white - brown/black (function with ign on only)	-	sunroof switch, white 4 pin plug, pins 4 - 1
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	red	+	radio, white 24 pin plug, pin 12 or gray 8 pin plug, pin 4
Radio Ground	black	-	radio, white 24 pin plug, pin 24 or gray 8 pin plug, pin 8
Radio Ignition	blue/orange	+	radio, white 24 pin plug, pin 11 or gray 8 pin plug, pin 6
Radio Illumination	red/orange (parking lights); blue/orange (dimmer)	+,-	radio, white 18 pin plug, pins 8, 17 or gray 8 pin plug, pins 2, 7
Factory Amp Turn-on	(M-CAN)		
Power Antenna	green	+	radio, white 18 pin plug, pin 18 or gray 8 pin plug, pin 3
Left Front Speaker (+/-)	brown - white	+,-	radio, white 18 pin plug, pins 2 - 11
Right Front Speaker (+/-)	red - blue	+,-	radio, white 18 pin plug, pins 3 - 12
Left Rear Speaker (+/-)	yellow - black	+,-	radio, white 18 pin plug, pins 1 - 10
Right Rear Speaker (+/-)	green - orange	+,-	radio, white 18 pin plug, pins 4 - 13
Center Channel (+/-)	N/A		
Subwoofer (+/-)	green - orange (1); blue - red (2)	+,-	amplifier in RR cargo floor, white 26 pin plug, pins 13 - 26; 12 - 25
Aux. Audio Input Left (+/-)	yellow - black	+,-	radio, wh 24P plg, pins 21-9; bk 20P plg, pins4-10
Aux. Audio Input Right (+/-)	brown - black	+,-	radio, wh 24P plg, pins 8-9; bk 20P plg, pins 3-10
RSE Video (+/-)	red - black (rear view camera)	+,-	radio, white 24 pin plug, pins 15 - 16
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	(built into radio)		
Satellite Radio Ground	N/A		
Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter			left front door
Right Front Speaker	6.5		right front door
Right Front Tweeter			right front door
Left Rear Speaker	6.5		left rear door
Left Rear Tweeter	N/A		
Right Rear Speaker	6.5		right rear door
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer			right rear quarter panel
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
Speed Sense	Also found brown at the radio, white 24 pin plug, pin 16 (without navigation), or gray 8 pin plug, pin 1 (with navigation).
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are brown - white (woofer); brown - white (tweeter) at the amplifier in RR cargo floor, white 12 pin plug, pins 6 - 12; 4 - 10.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are red - blue (woofer); red - blue (tweeter) at the amplifier in RR cargo floor, white 12 pin plug, pins 5 - 11; 3 - 9.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are yellow - black at the amplifier in RR cargo floor, white 12 pin plug, pins 2 - 8.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are green - orange at the amplifier in RR cargo floor, white 12 pin plug, pins 1 - 7.