

## 2008 Hyundai Tucson

### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	red or orange (30A)	+	ignition switch, 6 pin plug, pin 5
<b>Second 12 Volts</b>	red (40A)	+	ignition switch, 6 pin plug, pin 2
<b>Starter</b>	pink	+	ignition switch, 6 pin plug, pin 1
<b>Second Starter</b>	N/A		
<b>Ignition</b>	orange	+	ignition switch, 6 pin plug, pin 6
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	pink	+	ignition switch, 6 pin plug, pin 3
<b>Second Accessory</b>	yellow	+	ignition switch, 6 pin plug, pin 4
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	green	+	ignition key switch or ETACM, 26 pin plug, pin 16
<b>Data Bus</b>	(only Canadian models have the immobilizer system)		
<b>Can Bus High</b>	orange	data	data link connector, black 16 pin plug, pin 3
<b>Can Bus Low</b>	green	data	data link connector, black 16 pin plug, pin 11
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	white/black to gray	-	driver kick, 22 pin plug, pin 19 or relay above accelerator pedal
<b>Power Unlock</b>	yellow/orange to green	-	driver kick, 22 pin plug, pin 20 or relay above accelerator pedal
<b>Lock Motor</b>	gray	5 wire	driver kick, 23 pin plug, pin 20 or relay above accelerator pedal
<b>Unlock Motor</b>	green to gray	5 wire	driver kick, 23 pin plug, pin 23 or relay above accelerator pedal
<b>Disarm Defeat</b>	green	5 wire	driver kick, 23 pin plug, pin 19 or relay above accelerator pedal
<b>Parking Lights (+)</b>	pink/black (L), brown/orange (R)	+	fuse box, rear, 18 pin plug (F), pins 10 and 3
<b>Parking Lights (-)</b>	blue/black to blue	-	headlight switch or ETACM, 26 pin plug, pin 19
<b>Hazards</b>	green	-	relay above driver kick or ETACM, 16 pin plug, pin 14
<b>Turn Signal (Left)</b>	yellow/orange	+	turn signal switch or fuse box, rear, 18 pin plug (F), pin 2
<b>Turn Signal (Right)</b>	blue	+	turn signal switch or fuse box, rear, 18 pin plug (F), pin 4

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	white	-	headlight switch or ETACM, 26 pin plug, pin 11
<b>AutoLights</b>	yellow	-	headlight switch, 18 pin plug, pin 16
<b>Reverse Light</b>	brown	+	driver kick, 22 pin plug, pin 14
<b>Left Front Door Trigger</b>	yellow/orange to yellow/black	-	driver kick, 23 pin plug, pin 6 or ETACM, 26 pin plug, pin 6
<b>Right Front Door Trigger</b>	same as left front door trigger		
<b>Left Rear Door Trigger</b>	same as left front door trigger		
<b>Right Rear Door Trigger</b>	same as left front door trigger		
<b>Dome Supervision</b>	yellow	-	fuse box, rear, 10 pin plug (H), pin 2 or ETACM, 26 pin plug, pin 1
<b>Trunk/Hatch Pin</b>	green/black	-	driver kick, 22 pin plug, pin 9 or ETACM, 16 pin plug, pin 13
<b>Rear Glass Pin</b>	same as trunk/hatch pin		
<b>Hood Pin</b>	green/black	-	driver kick, black 21 pin plug, pin 8 or ETACM, 16 pin plug, pin 12
<b>Trunk Hatch/Release</b>	N/A		
<b>Trunk Release Motor</b>	N/A		
<b>Fuel Door Release</b>	N/A		
<b>Power Sliding Door (Left)</b>	N/A		
<b>Power Sliding Door (Right)</b>	N/A		
<b>Factory Alarm Arm</b>	yellow	-	driver kick, 20 pin plug, pin 8 or ETACM, 16 pin plug, pin 3
<b>Factory Alarm Disarm</b>	brown (double pulse)	-	driver kick, 20 pin plug, pin 9 or ETACM, 16 pin plug, pin 4
<b>Disarm No Unlock</b>	see factory alarm disarm		
<b>Trunk Alarm Shunt</b>	pink/black	-	DKP, 23 pin plg, pin 2 or ETACM, 16 pin plg, pin 5
<b>Tachometer</b>	blue	ac	passenger kick, 23 pin plug, pin 9 or cluster, white 20 pin plug, pin 7
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	green/black (in), white (out)	+ N.O.	clutch switch, 2 pin plug, pins 2 and 1
<b>Fuel Pump</b>	red	+	driver kick, 22 pin plug, pin 2
<b>Rear Defroster</b>	blue (rear), gray/orange (windshield)	-	defogger switch or ETACM, 26 pin plug, pins 22 and 9
<b>Mirror Defroster</b>	same as rear defroster		
<b>Left Front Heated Seat</b>	brown	+ latched	left seat warmer switch, white 6 pin plug, pin 4
<b>Right Front Heated Seat</b>	brown	+ latched	right seat warmer switch, black 6 pin plug, pin 4

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	gray/orange	ac	data link conn, blk 16 pin plug, pin 6 or ETACM, 26 pin plug, pin 26
Brake Wire	white	+	brake switch or driver kick, 22 pin plug, pin 15
Parking Brake	blue/orange	-	parking brake switch or driver kick, 23 pin plug, pin 21
Horn Trigger	red	-	horn switch or driver kick, white 16 pin plug, pin 1
Wipers	green (L), pink (H)	+	wiper switch, 14 pin plug, pins 2 and 1
Left Front Window (Up/Down)	brown - orange	A	power window main switch, 14 pin plug, pins 5 and 6
Right Front Window (Up/Down)	gray - green	A	driver kick, door harness
Left Rear Window (Up/Down)	blue - pink	A	driver kick, door harness
Right Rear Window (Up/Down)	brown - white	A	driver kick, door harness
Sun Roof (Open/Close)	green - white/black	-	sunroof module, gray 10 pin plug, pins 6 and 7
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, 16 pin plug, pin 16
Radio Ground	black	-	radio, 16 pin plug, pin 8
Radio Ignition	yellow	+	radio, 16 pin plug, pin 7
Radio Illumination	pink (parking lights), gray (dimmer)	+,-	radio, 16 pin plug, pins 15 and 6
Factory Amp Turn-on	green/orange	+	radio, 16 pin plug, pin 12
Power Antenna	gray/orange	+	radio, 16 pin plug, pin 1
Left Front Speaker (+/-)	white - brown	+,-	radio, 16 pin plug, pins 10 and 3
Right Front Speaker (+/-)	red - blue	+,-	radio, 16 pin plug, pins 13 and 4
Left Rear Speaker (+/-)	yellow - black	+,-	radio, 16 pin plug, pins 9 and 2
Right Rear Speaker (+/-)	orange - blue	+,-	radio, 16 pin plug, pins 14 and 5
Center Channel (+/-)	N/A		
Subwoofer (+/-)	white - brown (1), red - blue (2)	+,-	amplifier, 16 pin plug, pins 2 and 9 (1), 6 and 15 (2)
Aux. Audio Input Left (+/-)	N/A		
Aux. Audio Input Right (+/-)	N/A		
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	N/A		
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		

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*What Fits*

Item	Size	Depth	Location
Headunit	double DIN		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			under passenger seat
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	N/A		

*Smart Starter Kill Relay*

Relay Type:	n/a
Part #:	n/a
OE Relay Part #:	
Location:	n/a

<b>Notes:</b>
n/a

<b>Alternate Part Notes:</b>
n/a



*Additional Wiring Notes*

Item	Note
<b>Power Lock</b>	Also found yellow/orange (-) at the ETACM, 16 pin plug, pin 16. The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Power Unlock</b>	Also found yellow (-) at the ETACM, 16 pin plug, pin 8. The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever. To unlock the driver door only, use blue/orange (-) at the relay above the accelerator pedal or the ETACM, 16 pin plug, pin 7.
<b>Left Front Door Trigger</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Trunk/Hatch Pin</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Dome Supervision</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Hood Pin</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Tachometer</b>	Can also go to any fuel injector and use the wire that is NOT white (2.0L) or brown (2.7L).
<b>Sun Roof (Open/Close)</b>	When triggering these wires, you need to supply 12V to pink at the sunroof module, gray 10 pin plug, pin 8, to turn on the sunroof module.
<b>Subwoofer (+/-)</b>	If equipped, the amplifier is on the passenger side of the rear cargo floor.
<b>Left Front Speaker (+/-)</b>	If equipped, the amplifier is on the passenger side of the rear cargo floor. On vehicles with amplifier, the speaker wires are at the amplifier, 16 pin plug, pins 1 and 8.
<b>Right Front Speaker (+/-)</b>	If equipped, the amplifier is on the passenger side of the rear cargo floor. On vehicles with amplifier, the speaker wires are at the amplifier, 16 pin plug, pins 7 and 16.
<b>Left Rear Speaker (+/-)</b>	If equipped, the amplifier is on the passenger side of the rear cargo floor. On vehicles with amplifier, the speaker wires are at the amplifier, 16 pin plug, pins 3 and 10.
<b>Right Rear Speaker (+/-)</b>	If equipped, the amplifier is on the passenger side of the rear cargo floor. On vehicles with amplifier, the speaker wires are at the amplifier, 16 pin plug, pins 5 and 14.
<b>Key Sense</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Can Bus High</b>	The data link connector is under the driver dash.
<b>Can Bus Low</b>	The data link connector is under the driver dash.
<b>Speed Sense</b>	The data link connector is under the driver dash. The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever. Also found in the passenger kick, 23 pin plug, pin 3.
<b>Factory Alarm Arm</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever. Meter this wire while turning the key in the driver door key cylinder.
<b>Factory Alarm Disarm</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever. Meter this wire while turning the key in the driver door key cylinder.
<b>Trunk Alarm Shunt</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever. Meter this wire while turning the key in the tailgate key cylinder.
<b>Parking Lights (-)</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Hazards</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Headlight</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever. This wire only functions with the ignition on.
<b>Rear Defroster</b>	The ETACM (Electronic Time and Alarm Control Module) is in the front center console, below the shift lever.
<b>Wipers</b>	Also found in the passenger kick, 22 pin plug, pins 18 and 17.