

## 2013 Hyundai Veloster (Smart Key)



### Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	white (50A)	+	dash fuse box, white 4 pin plug (L), pin 1
<b>Second 12 Volts</b>	red (50A)	+	dash fuse box, white 4 pin plug (L), pin 2
<b>Starter</b>	yellow	+	dash fuse box, white 16 pin plug (F), pin 5
<b>Second Starter</b>	yellow/black (SS1), yellow/orange (SS2)	-	start/stop button switch, white 12 pin plug, pins 1 and 8
<b>Ignition</b>	pink	+	dash fuse box, white 16 pin plug (F), pin 7
<b>Second Ignition</b>	N/A		
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	red	+	dash fuse box, white 16 pin plug (F), pin 4
<b>Second Accessory</b>	blue	+	dash fuse box, black 18 pin plug (E), pin 11
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	N/A		
<b>Data Bus</b>	blue (EMS COM immobilizer data)	data	driver kick, white 55 pin plug, pin 10
<b>Can Bus High</b>	white (C-CAN)	data	data link connector, black 16 pin plug, pin 6
<b>Can Bus Low</b>	yellow (C-CAN)	data	data link connector, black 16 pin plug, pin 14
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	pink/black	-	dash fuse box, bottom, yellow 32 pin plug (B), pin 7
<b>Power Unlock</b>	yellow/black	-	dash fuse box, bottom, yellow 32 pin plug (B), pin 11
<b>Lock Motor</b>	brown/orange	5 wire	dash fuse box, white 38 pin plug (K), pin 36
<b>Unlock Motor</b>	green/white	5 wire	driver kick, door harness
<b>Disarm Defeat</b>	green	5 wire	dash fuse box, white 38 pin plug (K), pin 26
<b>Parking Lights (+)</b>	red (L), brown/black (R)	+	dash fuse box, white 38 pin plug (K), pins 34 and 24
<b>Parking Lights (-)</b>	pink	-	headlight switch, white 13 pin plug, pin 2
<b>Hazards</b>	red	-	dash fuse box, rear, white 24 pin plug (C), pin 9
<b>Turn Signal (Left)</b>	blue/orange (F); blue/orange (R)	+	dash fuse box, wht 16 pin plug (N), pin 3; wht 38 pin plug (K), pin 3
<b>Turn Signal (Right)</b>	red/orange (F); red/orange (R)	+	dash fuse box, wht 16 pin plug (N), pin 13; wht 38 pin plug (K), pin 6

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Headlight</b>	yellow	-	headlight switch, white 13 pin plug, pin 4
<b>AutoLights</b>	pink (interrupt to turn off autolights)	-	headlight switch, white 13 pin plug, pin 3
<b>Reverse Light</b>	blue	+	dash fuse box, white 38 pin plug (K), pin 7
<b>Left Front Door Trigger</b>	brown	-	dash fuse box, bottom, yellow 32 pin plug (B), pin 18
<b>Right Front Door Trigger</b>	blue	-	dash fuse box, bottom, yel 32 pin plug (B), pin 17
<b>Left Rear Door Trigger</b>	N/A		
<b>Right Rear Door Trigger</b>	orange	-	dash fuse box, bottom, yel 32 pin plug (B), pin 19
<b>Dome Supervision</b>	yellow	-	dash fuse box, rear, white 40 pin plug (D), pin 23
<b>Trunk/Hatch Pin</b>	green	-	dash fuse box, bottom, yellow 32 pin plug (B), pin 5
<b>Rear Glass Pin</b>	N/A		
<b>Hood Pin</b>	green	-	dash fuse box, bottom, blue or white 24 pin plug (A), pin 12
<b>Trunk Hatch/Release</b>	brown (rear handle switch)	-	driver kick, white 56 pin plug, pin 3
<b>Trunk Release Motor</b>	red	+	dash fuse box, white 38 pin plug (K), pin 17
<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>	white (key lock), orange (lock/unlock detection)	- and open	dash fuse box, bottom, yellow 32 pin plug (B), pins 3 and 2
<b>Factory Alarm Disarm</b>	pink/blk (key unlock), orange (lock/unlock detect)	both -	dash fuse box, bottom, yellow 32 pin plug (B), pins 4 and 2
<b>Disarm No Unlock</b>	see factory alarm disarm		
<b>Trunk Alarm Shunt</b>	N/A		
<b>Tachometer</b>	orange	ac	driver kick, white 55 pin plug, pin 7
<b>Wait to Start</b>	N/A		
<b>Neutral Safety</b>	N/A		
<b>Clutch Pedal</b>	green	-	clutch switch, white 2 pin plug, pin 2
<b>Fuel Pump</b>	gray	+	driver kick, white 56 pin plug, pin 19
<b>Rear Defroster</b>	black	- latched	dash fuse box, bottom, blue or white 24 pin plug (A), pin 7
<b>Mirror Defroster</b>	same as rear defroster		
<b>Left Front Heated Seat</b>	yellow	+	driver seat warmer switch, black 12 pin plug, pin 2
<b>Right Front Heated Seat</b>	yellow	+	passenger seat warmer switch, white 12 pin plug, pin 2

*Wiring Information (Continued)*

Item	Wire Color	Polarity	Wire Location
<b>Speed Sense</b>	pink	4-Pulse	data link conn, blk 16 pin plug, pin 3 or radio, wht 18 pin plug, pin 18
<b>Brake Wire</b>	pink	+	driver kick, white 55 pin plug, pin 43
<b>Parking Brake</b>	blue	-	driver kick, white 56 pin plug, pin 17
<b>Horn Trigger</b>	white/orange	-	driver kick, white 55 pin plug, pin 44
<b>Wipers</b>	white (L), yellow (H), blue (ignition)	+	wiper switch, white 14 pin plug, pins 3, 9, and 10
<b>Left Front Window (Up/Down)</b>	yellow - orange/black (without safety pwr window)	A	power window main switch, white 16 pin plug, pins 8 and 7
<b>Right Front Window (Up/Down)</b>	brown - white	A	driver kick, door harness
<b>Left Rear Window (Up/Down)</b>	N/A		
<b>Right Rear Window (Up/Down)</b>	green - pink	A	driver kick, door harness
<b>Sun Roof (Open/Close)</b>	orange/black - gray (function with ign on only)	-	sunroof switch, black or white 6 pin plug, pins 2 and 3
<b>Sun Roof (Limit/Close)</b>	N/A		
<b>Memory Seat 1</b>	N/A		
<b>Memory Seat 2</b>	N/A		
<b>Memory Seat 3</b>	N/A		
<b>Radio 12V</b>	red	+	radio, white 24 pin plug, pin 12
<b>Radio Ground</b>	black	-	radio, white 24 pin plug, pin 24
<b>Radio Ignition</b>	blue	+	radio, white 24 pin plug, pin 11
<b>Radio Illumination</b>	blue (parking lights), gray (dimmer)	+,-	radio, white 24 pin plug, pins 7 and 6
<b>Factory Amp Turn-on</b>	(M-CAN)		
<b>Power Antenna</b>	N/A		
<b>Left Front Speaker (+/-)</b>	orange - blue/black	+,-	radio, white 18 pin plug, pins 1 and 4
<b>Right Front Speaker (+/-)</b>	blue/orange - yellow/black	+,-	radio, white 18 pin plug, pins 3 and 2
<b>Left Rear Speaker (+/-)</b>	pink - green	+,-	radio, white 18 pin plug, pins 12 and 13
<b>Right Rear Speaker (+/-)</b>	brown - white	+,-	radio, white 18 pin plug, pins 10 and 11
<b>Center Channel (+/-)</b>	blue/orange - green/black	+,-	amplifier under passenger seat, white 16 pin plug, pins 7 and 15
<b>Subwoofer (+/-)</b>	green/orange - blue (1); brown - white (2)	+,-	amplifier under passenger seat, wht 26 pin plug, pins 12-25; 13-26
<b>Aux. Audio Input Left (+/-)</b>	red - orange	+,-	radio, white 24 pin plug, pins 10 and 9
<b>Aux. Audio Input Right (+/-)</b>	blue - orange	+,-	radio, white 24 pin plug, pins 8 and 9
<b>RSE Video (+/-)</b>	orange - black/orange (rear view camera)	+,-	radio, white 24 pin plug, pins 12 and 24
<b>RSE Audio Left (+/-)</b>	N/A		
<b>RSE Audio Right (+/-)</b>	N/A		
<b>Satellite Radio 12 Volts</b>	N/A		
<b>Satellite Radio Ground</b>	N/A		
<b>Satellite Radio Ignition</b>	N/A		

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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
<b>Headunit</b>	irregular		center of dash
<b>Left Front Speaker</b>	6.5	3.4	left front door
<b>Left Front Tweeter</b>	1	1	left front door
<b>Right Front Speaker</b>	6.5	3.4	right front door
<b>Right Front Tweeter</b>	1	1	right front door
<b>Left Rear Speaker</b>	6.5	3.8	left rear side panel
<b>Left Rear Tweeter</b>	N/A		
<b>Right Rear Speaker</b>	6.5	3.8	right rear door
<b>Right Rear Tweeter</b>	N/A		
<b>Center Channel</b>			top center of dash
<b>Subwoofer</b>	8		left rear quarter panel
<b>Left Front Headrest</b>			
<b>Right Front Headrest</b>			
<b>Left Right Headrest</b>			
<b>Right Rear Headrest</b>			
<b>Satellite Radio Tuner</b>	(built into radio)		

*Additional Wiring Notes*

Item	Note
<b>Aux. Audio Input Right (+/-)</b>	The aux. video input wires are gray - black/orange at the radio, white 18 pin plug, pins 17 and 16.
<b>Factory Alarm Arm</b>	See Tech Doc 1300 for wiring information.
<b>Factory Alarm Disarm</b>	See Tech Doc 1300 for wiring information.
<b>Left Front Speaker (+/-)</b>	On models with amplifier, the speaker wires are orange - blue/black (woofer); pink/black - orange/black (tweeter) at the amplifier under passenger seat, white 12 pin plug, pins 6 and 12; 4 and 10.
<b>Right Front Speaker (+/-)</b>	On models with amplifier, the speaker wires are blue/orange - yellow/black (woofer); white/orange - green/orange (tweeter) at the amplifier under passenger seat, white 12 pin plug, pins 5 and 11; 3 and 9.
<b>Left Rear Speaker (+/-)</b>	On models with amplifier, the speaker wires are pink - green at the amplifier under passenger seat, white 12 pin plug, pins 2 and 8.
<b>Right Rear Speaker (+/-)</b>	On models with amplifier, the speaker wires are brown - white at the amplifier under passenger seat, white 12 pin plug, pins 1 and 7.
<b>Left Front Window (Up/Down)</b>	On models with safety power window, the window motor is part of the window module, not allowing access to the motor wires.
<b>Data Bus</b>	The immobilizer light is brown (-) at the instrument cluster, white 40 pin plug, pin 8.
<b>Can Bus High</b>	The B-CAN high is white/orange at the dash fuse box, rear, white 24 pin plug (C), pin 5.
<b>Can Bus Low</b>	The B-CAN low is yellow/orange at the dash fuse box, rear, white 24 pin plug (C), pin 6.
<b>Power Unlock</b>	To unlock the driver door only, use yellow/orange (-) at the dash fuse box, rear, white 40 pin plug (D), pin 6.