2007 Kia Rio

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	green (40A), blue (30A)	+	ignition harness
Second 12 Volts			
Starter	white	+	ignition harness
Second Starter	N/A		
Ignition	pink	+	ignition harness
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	orange	+	ignition harness
Second Accessory	yellow	+	ignition harness
Third Accessory			
Key Sense	blue	+	ignition harness
Data Bus	(only Canadian models have the immobilizer system)		
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	blue or yellow	-	DKP or fuse box, 16 pin plug, pin 6
Power Unlock	yellow/black	-	DKP or fuse box, 16 pin plug, pin 16
Lock Motor	gray	5wi	DKP or fuse box, 14 pin plug, pin 5
Unlock Motor	pink	5wi	driver kick, blu 42 pin plug, pin 34
Disarm Defeat	brown/orange	5wi	DKP or fuse box, 14 pin plug, pin 4
Parking Lights (+)	green/blk (L), yellow/blk (R)	+	fuse box, 14 pin plug, pins 9 and 8
Parking Lights (-)	pink/black or red	-	headlight switch
Hazards	blue/black (only w/OEM alarm)	-	BCM, 24 pin plug, pin 4
Turn Signal (Left)	yellow/orange to green	+	sw or fuse box, 22 pin plug, pin 2
Turn Signal (Right)	brown/orange to blue	+	sw or fuse box, 22 pin plug, pin 9

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	red (high current)	-	L of fuse box, 42 pin plug, pin 30
AutoLights			
Reverse Light	white/black	+	fuse box, 14 pin plug, pin 10
Left Front Door Trigger	green	-	driver kick, blue 42 pin plug, pin 2
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision	blue	-	fuse box, 10 pin plug, pin 5
Trunk/Hatch Pin	green/orange	-	driver kick, blue 42 pin plug, pin 3
Rear Glass Pin			
Hood Pin	brown	-	L of fuse box, 42 pin plug, pin 34
Trunk Hatch/Release	N/A		
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)			
Factory Alarm Arm	yellow/orange	-	driver kick, blu 42 pin plug, pin 38
Factory Alarm Disarm	white/black and blue/black	-	driver kick, blu 42P plg, pins 33,21
Disarm No Unlock	with ign, acc, and key sense		
Trunk Alarm Shunt			
Tachometer	green	ac	L of fuse box, 42 pin plug, pin 32
Wait to Start	N/A		
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	red/orange	ac	data link connector, pin 6
Brake Wire	red/orange to orange	+	sw or fuse box, 14 pin plug, pin 11
Parking Brake	green/orange	-	sw or fuse box, 14 pin plug, pin 1
Horn Trigger	blue	-	L of fuse box, 42 pin plug, pin 35
Wipers	green (L), blk/org to red (H)	+	R of fuse box, 39 pin plg, pins 10,9
Left Front Window (Up/Down)	green or pink - orange	A	driver window switch in door
Right Front Window (Up/Down)	brown - gray	A	driver kick, door harness
Left Rear Window (Up/Down)	yellow - white	A	driver kick, door harness
Right Rear Window (Up/Down)	green - blue	A	driver kick, door harness
Sun Roof (Open/Close)	motor part of module		
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 harness
Radio Ground	black	-	radio harness
Radio Ignition	green	+	radio harness
Radio Illumination	yellow	+	radio harness
Factory Amp Turn-on	blue	+	radio harness
Power Antenna	pink	+	radio harness
Left Front Speaker (+/-)	brown - white	+,-	radio harn or amp in pass side trunk
Right Front Speaker (+/-)	black - yellow	+,-	radio harn or amp in pass side trunk
Left Rear Speaker (+/-)	red - blue	+,-	radio harn or amp in pass side trunk
Right Rear Speaker (+/-)	green - orange	+,-	radio harn or amp in pass side trunk
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)			
RSE Audio Left (+/-)			
RSE Audio Right (+/-)			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

What Fits

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Additional Wiring Notes

Item	Note
Hazards	If equipped, the BCM (Body Control Module) is to the right of the steering column.
Factory Alarm Disarm	Meter these wire while turning the key in the driver door key cylinder. The blue/black wire is the unlock detection wire. It will meter ground when the actuator is in the unlock position.
Tachometer	Can also go to any fuel injector and use the wire that is NOT brown.
Factory Alarm Arm	Meter this wire while turning the key in the driver door key cylinder.