

2005 Kia Rio



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red to black/blue (30A)	+	ignition switch, black 6 pin plug, pin 5
Second 12 Volts	black to green/red (30A)	+	ignition switch, black 6 pin plug, pin 2
Starter	black/yellow to blue	+	ignition switch, black 6 pin plug, pin 3
Second Starter	N/A		
Ignition	white/blue to blue/red	+	ignition switch, black 6 pin plug, pin 4
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	white to blue/black	+	ignition switch, black 6 pin plug, pin 1
Second Accessory	green to red/blue	+	ignition switch, black 6 pin plug, pin 6
Third Accessory	N/A		
Key Sense	blue	+	ignition harness
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	red	-	relay high in driver kick
Power Unlock	yellow	-	relay high in driver kick
Lock Motor	blue	5wi	relay high in driver kick
Unlock Motor	green	5wi	relay high in driver kick
Disarm Defeat	no progressive unlock		
Parking Lights (+)	red/green (L), blue/black (R)	+	driver kick, harness to rear
Parking Lights (-)	white/red to green/blue	-	headlight switch or ETWIS
Hazards	same as turn signal wires		
Turn Signal (Left)	green/yellow	+	turn signal switch
Turn Signal (Right)	green/white	+	turn signal switch

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	pink to blue	-	headlight switch
AutoLights			
Reverse Light	blue/black	+	driver kick, harness to rear
Left Front Door Trigger	green/red	-	ETWIS high in driver kick
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision	white	-	ETWIS high in driver kick
Trunk/Hatch Pin	lt. green/red	-	ETWIS high in driver kick
Rear Glass Pin			
Hood Pin	lt. green/yellow	-	ETWIS high in driver kick
Trunk Hatch/Release	N/A		
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)			
Factory Alarm Arm	factory remote only		
Factory Alarm Disarm	factory remote only		
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer	brown/red	ac	diagnosis connector behind driver headlight
Wait to Start	N/A		
Neutral Safety			
Clutch Pedal	red	+	clutch switch, 3 pin plug, pin 3
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	green/red		instrument cluster
Brake Wire	red/black	+	brake pedal switch
Parking Brake	blue/white to blue/black	-	driver kick, harness to rear
Horn Trigger	lt. green/red	-	horn switch
Wipers	green (L), red/white (H)	+	windshield wiper switch
Left Front Window (Up/Down)	blue/yellow - blue/red	A	driver window switch in door
Right Front Window (Up/Down)	white/green - red/white	A	driver kick, door harness
Left Rear Window (Up/Down)	yellow/red - blue/white	A	driver kick, door harness
Right Rear Window (Up/Down)	green/red - blue/black	A	driver kick, door harness
Sun Roof (Open/Close)	N/A		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	yellow/blue	+	radio harness
Radio Ground	black	-	radio harness
Radio Ignition	brown/red	+	radio harness
Radio Illumination	blue/black	+	radio harness
Factory Amp Turn-on	N/A		
Power Antenna	N/A		
Left Front Speaker (+/-)	white/red - white/green	+,-	radio harness
Right Front Speaker (+/-)	yellow/red - yellow/blue	+,-	radio harness
Left Rear Speaker (+/-)	red/green - red/black	+,-	radio harness
Right Rear Speaker (+/-)	lt. green/red - lt. green/yel	+,-	radio harness
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			