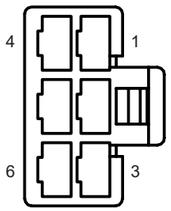
RSX-G6 Wire Diagram

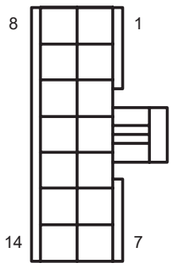
A



BLACK 6 PIN HIGH CURRENT POWER HARNESS (P/N: H-RS6F*)

PIN	POL.	COLOR	FUNCTION	DATA**
1	(+)	PINK/WHITE	IGNITION / Accessory / Start (Prog. - Feature #2) - INPUT/OUTPUT***	✔
2	(+)	BROWN	START - INPUT/OUTPUT	✔
3	(+)	GRAY	ACCESSORY / Ignition / Start (Prog. - Feature #2) - INPUT/OUTPUT***	✔
4	(+)	RED	Feed For GRAY(A3) / BROWN(A2) / PINK/WHITE(A1) - INPUT (30A Fused)	
5	(+)	RED	System Power - INPUT (30A - Fused)	
6	(+)	PINK	IGNITION / Accessory / Start - INPUT/OUTPUT***	✔

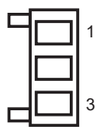
B



WHITE 14 PIN MAIN INPUT/OUTPUT HARNESS (P/N: H-RS14F)

PIN	POL.	COLOR	FUNCTION	DATA**
1	(-)	YELLOW/BLACK	Status/GWR (Prog. Feature #10) - OUTPUT (500ma)	
2	(-)	WHITE/BLACK	Light Flash - OUTPUT (250ma)	✔
3	(-)	BROWN	Trunk Release (Prog. Feature #20) - OUTPUT (250ma)	✔
4	(-)	ORANGE/BLACK	OEM Alarm Disarm (Prog. - Feature #13) - OUTPUT (250ma)	✔
5	(-)	GRAY	Hood Trigger - INPUT	✔
6	(-)	RED/WHITE	Tach Pulse Input (coil or injector) - INPUT	✔
7	(-)	PINK	Glow Plug (Diesel) / Door Trigger (MT Mode Required) - INPUT	✔
8	(-)	GREEN	RS Activation (Automatic) / Parking Brake (MT Mode Required) - INPUT	✔
9		EMPTY		
10	(-)	ORANGE	OEM Alarm Arm (Prog. - Feature #13) - OUTPUT (250ma)	✔
11	(-)	BLACK	System Ground - INPUT	
12	(-)	YELLOW	Horn Honk (Prog. - Feature #27 - 29) - OUTPUT (1A)	
13	(+)	VIOLET	Brake Pedal RS Shutdown - INPUT	✔
14	(+)	WHITE	Light Flash - OUTPUT (10A Fused)	✔

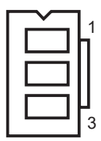
C



RED 3 PIN DOOR LOCK/UNLOCK HARNESS (P/N: DLP-N3)

PIN	POL.	COLOR	FUNCTION	DATA**
1	(-)	GREEN	Lock Pulse - OUTPUT (250ma)	✔
2	(+)	EMPTY PIN	Constant +12V Supply To Plug-in Door Lock Adapters - OUTPUT (500ma)	
3	(-)	BLUE	Unlock Pulse - OUTPUT (250ma)	✔

D



RED 3 PIN REMOTE START HARNESS (P/N: H-RS3A)

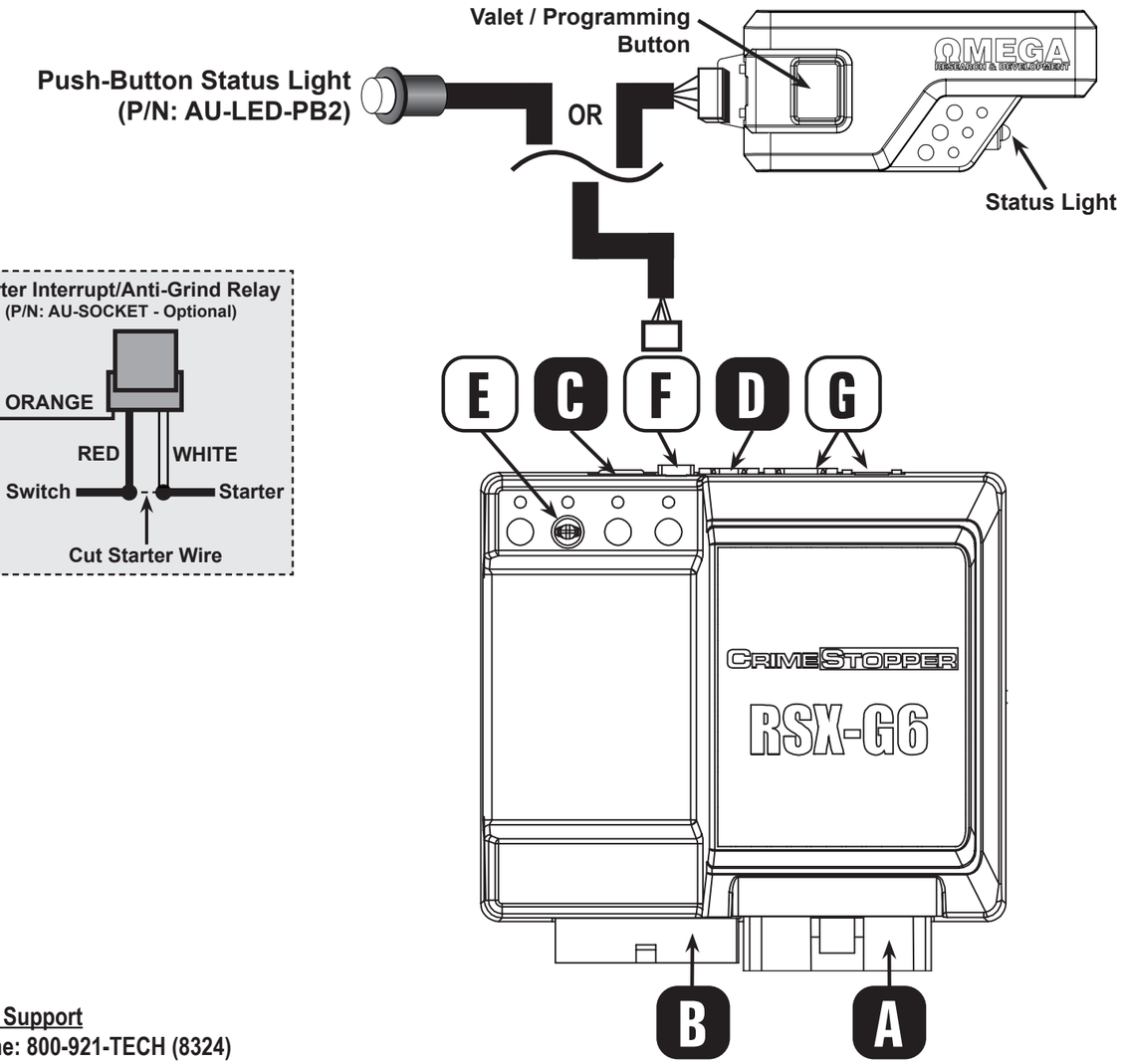
PIN	POL.	COLOR	FUNCTION (RED PORT)	DATA**
1	(-)	ORANGE/WHITE	Status (Prog. - Feature #11) - OUTPUT (250ma)	✔
2	(+)	RED	Constant +12V Supply For Relays Or Modules - OUTPUT (500ma)	
3	(-)	BLUE/ORANGE	Start (Prog. Feature #12) - OUTPUT (250ma)	✔

* Optional 'OL-HRN-RS' T-harnesses available. See vehicle compatibility at www.wiresheet.com.
** ✔ = The function is supported via the data ports. Confirm vehicle support in interface module install guide.
*** Function auto-detected during VEHICLE LEARN procedure - SEE OTHER SIDE OF THIS SHEET
Default function is capitalized and underlined

E **TEMPERATURE SENSOR** - DO NOT COVER
(For high/low temp auto start and for tachless low temp crank extender)

F **ANTENNA / STATUS LIGHT / VALET PORT** - Supports any compatible plug-in antennas or push-button status light (P/N: AU-LED-PB2)

G **GREEN & BLACK DATA PORTS** - For Telematics / Data Sensor (Shock, Tilt, etc) / Vehicle Interface Module. (DBI & iDatalink protocols supported on both ports - see 'Vehicle Learn' or feature #3)



Tech Support
Phone: 800-921-TECH (8324)
Web: OmegaDealer.com
FB dealer group: Facebook.com/groups/crimestopperinsight/
Corporate Site / Product Info: CrimeStopper.com

CRIMESTOPPER
SAFETY & SECURITY

RSX-G6 QUICK REFERENCE

PROGRAMMING GUIDE (FOR FIRMWARE v1.0)

visit www.OmegaWeblink.com to get the latest firmware
visit www.OmegaDealer.com to download a complete guide

Scan To Download the full installation guide from OmegaDealer.com! (login required)

Perform Vehicle Learn *(US patent #10,151,289)*

Vehicle Learn is the ultimate time saver and remote start configuration tool. It configures most *install-critical* features to match vehicle requirements.
IT'S FASTER THAN PROGRAMMING EVEN ONE FEATURE MANUALLY OR ON YOUR PC!

Vehicle Learn Will:
- Automatically configure IGNITION, ACCESSORY, AND START circuits to match the vehicle.
- Let you quickly choose crank delay (NOTE: wait-to-start via data is always honored)
- Sample crank time for crank averaging (tachless modes only).
- Auto-detect engine running method: Data-tach, tach wire (will also tach learn), or tachless mode.
- Auto-detect data port protocols

Before You Begin:
- Make all wire connections
- Connect any accessories/modules to the data ports.
  Make sure any interface module/bypass kit is in "DATA MODE" and programmed to the vehicle.
- If installing on a Manual Transmission vehicle, change feature #6 to desired setup process.
  Connect the GREEN wire to the vehicles parking brake and set the parking brake.

Vehicle Learn Procedure:
1. **Turn the ignition key ON** (do not start)
2. **Press the valet button 8 times in less than 10 seconds.**
   - *The system will chirp & flash lights to indicate crank delay (Default: 1 chirp/flash = 1.5 seconds).*
3. (OPTIONAL) **Press valet** to change crank delay.
   - Chirp confirmation: 1=1.5 sec, 2=15 sec, 3=20 sec, 4=30 sec.
4. **Start the engine** with the key and let the engine reach a normal idle (about 700 rpm).
5. **AUTOMATIC TRANSMISSION: Turn the ignition OFF.**
   - *The system will chirp & flash the lights equal the # of IGN/ACC/START circuits detected (Max: 4).*
   TIP: If you receive fewer chirps/flashes than circuits you connected, check connections and try again.
   MANUAL TRANSMISSION: Release the parking brake (this completes ignition sequence learn.)
   - *The system will chirp & flash the lights equal the # of IGN/ACC/START circuits detected (Max: 4).*
   TIP: If you receive fewer chirps/flashes than circuits you connected, check connections and try again.
   Set the parking brake again.
   Before turning the key OFF, perform the selected MT reservation sequence (feature #6)
   - *When successful, the LED will once every 2 seconds.*
6. **PUSH-BUTTON-START VEHICLES: Exit the vehicle & take the OEM fob/key 20 ft. away to allow remote start.**
7. **Activate remote start** within 60 seconds of Step 5. Wait until the engine is running and the LED flashes slowly.
   - *The system will then detect data protocols and the best available engine detection method (datatach, tach, etc.).*
   - *If the brake pedal is pressed before the LED flashes slowly, settings are reset and you must repeat vehicle learn.*
8. TO SAVE SETTINGS & COMPLETE VEHICLE LEARN: **Press the BRAKE pedal** (the engine will stop).
   TO CANCEL/START OVER: **Press & release the valet button** once.

Programming Features Manually

1. **Turn the ignition key "ON"** (do not start).
2. **Press the valet button 5 times** within 5 seconds of step 1.
   - The horn will chirp 5 times and the Parking Lights will flash 5 times
3. **Press the valet button** equal to the desired feature's number.
   - The horn will chirp once for every buttomn press.
   - Once the desired button presses are complete the horn will chirp to confirm the chossen feature (long chirp=10 short chirp=1, example: 2 long chirps followed by 5 short chirps equals feature 25).
4. **Press the transmitter button** (or brake pedal) to select the desired setting.
   - 1-BUTTON MODELS: Change the feature by pressing the transmitter button OR brake pedal the same equal to the desired setting. Complete all presses before hearing any chirps.
   - The siren/horn will chirp equal to the selected setting.
5. **Repeat steps 3 & 4** at this time IF you wish to change additional features.
6. **Turn the ignition key "OFF"** to exit programming.
   - NOTE: The system will exit automatically at any time after 10 seconds of no activity.

Features Chart

Programmable Features: Ignition on, press valet 5 times (5 chirps/Light flashes)

	# Feature	Lock Button (Brake 1x)	Unlock Button (Brake 2x)	Trunk Button (Brake 3x)	Start Button (Brake 4x)	Lock + Unlock (Brake 5x)	Trunk + Start (Brake 6x)
REMOTE START INSTALL	1 Engine Detection	Prog. Voltage	Voltage	Tach Wire	Data-tach	Crank Only	
	2 Pink/White & Gray Output	P/W = Ign Gray = Acc	P/W = Acc Gray = Acc	P/W = Start Gray = Acc	P/W = Ign Gray = Ign	P/W = Ign Gray = Start	P/W = Start Gray = Start
	3 Data Port Protocol	Green = DBI Black = DBI	Green = iData Black = iData	Green = DBI Black = iData	Green = iData Black = DBI		
	4 Remote Start Lock Control	Off	Lock after Start	Unlock before Start	Unlock before Start & Lock after	Lock after RS Off	
	5 Crank Delay (Gas/Diesel)	1.5 sec	15 sec	20 sec	30 sec		
	6 Manual Trans. Reservation	Set w/ remote - Engine Off w/ Lock	Off	Set w/ remote - Engine Off w/ Door close	Set w/ remote - Engine Off w/ Door close + 10s	Set w/ Hand Brake, Shutdown upon door close	
	7 RS Activation (GREEN wire)	1 Pulse	2 pulses	3 pulses	4 pulses		
	8 Crank Time	0.75 sec	1 sec	1.5 sec	2.25 sec	3 sec	Average
	9 Tachless Low Temp Crank Extend	0 ms	200 ms	300 ms	400 ms		
	10 Yellow/Black Output	Starter Inter-rupt	Anti-grind only	Starter Interrupt/ Anti-grind	Auto-Starter Interrupt	Status	
	11 Red RS Port Orange/White Wire	Ignition	Accessory	0.8 sec Defrost Pulse	10 min Defrost Pulse	Pulse After Engine Off	Horn
	12 Red RS Port Blue/Orange Wire	Dome Light	Start	Ignition	Accessory	Status	Light Flash
	13 Orange | Orange/Black Wires	Arm | Disarm	Arm | CH. 5	CH. 4 | Disarm	CH. 4 | CH.5	CH. 4 Latch | Disarm	CH. 4 Latch | CH.5
	14 Turbo Timer	Off	1 min	2 min	3 min	5 min	
RS OPERATON	15 Remote Start Run Time	3 min	10 min	15 min	20 min	30 min	
	16 RS Activation (Remote)	Start x 1	Start x 2	Start x 3	Start x 4	Hold Start 0.8 sec	Hold Start 2sec
	17 Low Temp Auto Start Threshold	0 Deg F	15 Deg F	32 Deg F			
	18 High Temp Auto Start Threshold	75 Deg F	90 Deg F	105 Deg F	120 Deg F		
	19 Remote Valet	Off	Lock+Unlock 2 sec	Lock+Unlock 2x			
SEC INSTALL	20 Brown (Trunk Release) Output	Dome Light	0.8 sec Trunk Button	2x Press Trunk Button	2 sec Trunk Button		
	21 Door Lock/Unlock Outputs	0.8 sec	3 sec	Double Unlock	Total Closure		
	22 Pulse Ign. + Acc. on Disarm	On	Off				
	23 Alarm Functions | 1-button Remote Lock/Unlock	Alarm On | Lock+Unlock	Alarm Off | Lock+Unlock ON	Alarm Off | Unlock Only	Sensor Detect | Lock+Unlock OFF		
SECURITY OPERATION	24 Flashing Light Confirmations	Unlock: ON RS: ON	Unlock: ON RS: Flash	Unlock: Flash RS: ON	Unlock: Flash RS: Flash		
	25 Ignition Lock / Unlock	Off	Ign On = Lock	Ign Off = Unlock	Lock + Unlock		
	26 Unlock w/ Trunk Release	On	Off				
	27 Confirmation Chirp Volume	Low	Med-Low	Med-High	High		
	28 Confirmation Chirps	L/U - Horn RS - 3x honk	L/U - On Demand RS - 3x honk	L/U - Horn RS - None	L/U - On Demand RS - None	Off	
	29 Horn Trigger Style	Pulse LOW	Pulse MED	Pulse HI	Human Panic!		
	30 Last Door Arming	Off	On w/o Lock*	On w/ Lock*			
	31 Automatic Rearming	Off	On w/o Lock	On w/ Lock	Enhanced Rearm		
	32 Alarm Trigger Duration	30 sec	60 sec	90 sec	120 sec		
	33 Arming Delay	3 sec	15 sec	30 sec	45 sec		

FEATURE SETTING KEY: Default Setting | Feature 23 (Alarm Functions) must be ON

* Door status required from external interface module or DATA sensor w/ analog inputs.

TIP: You can program features via your computer with Omega Weblink. Visit www.OmegaWeblink.com to learn more.

Features Reset

1. **Enter feture programming** (DO NOT SELECT ANY FEATURES).
2. **Press LOCK + UNLOCK** (or press BRAKE x 5)
   - 1-button/2-button models: Press the START button 5 times
   - You will get5 light flashes to indicate reset & exit programming.

Tach Wire Signal Learn

When utilizing the tach wire circuit for engine detection, the vehicle's tach signal must be learned. Tach signal is learned during Vehicle Learn and usually does not have to be relearned. Using either method below will automatically change Installer Feature #1 to 'Tach Wire'. If a valid tach signal is not detected, the system will not switch to 'Tach Wire' mode.

METHOD 1:

Perform Vehicle Learn - If a tach wire is connected, 'tach wire' mode will be selected and the signal auto-learned.

METHOD 2:
1. **Turn the ignition key "ON"**.
2. **Press the brake pedal 5 times** within 5 seconds of step 1.
   - The siren/horn will chirp 5 times.
3. **Start the engine.**
   - The status LED will turn on when it has learned the tach signal. If not, check tach wire & try again.
4. **Press the valet button** to resample the tach signal if needed. If the engine has a high idle at startup, allow the idle to "settle" around 700 RPM before resampling.
   - The status light will flash off then back on when the signal has been resampled.
5. **Turn the ignition key "OFF".**

METHOD 3:
6. **Start the engine with the ignition key**.
7. **Press & hold the brake pedal.**
8. **Press & release the valet button.**
   - The siren/horn will chirp 5 times.
   - The status LED will turn on when it has learned the tach signal. If not, check tach wire & try again.
9. **Turn the ignition key "OFF" or release the brake pedal to exit.**

Programming Transmitters

Standard Programming: Use this method to program additional or replacement transmitters.
BEFORE YOU BEGIN: Have all transmitters which are to operate the system at hand.
1. **Turn the ignition key "ON"** (do not start).
2. **Press the valet button 4 times** within 5 seconds of step 1.
   - The horn will chirp 4 times and the Parking Lights will flash 4 times
3. **Press & release the "lock" button** on each transmitter one after the other.
   - 1-button models, press the "start" button.
   - The Parking Lights will flash 1-4 times for each transmitter learned.
   - NOTE: When the first new transmitter is learned all previous transmitters are erased.
   - NOTE: All other button functions will automatically be assigned.
4. **Turn the ignition key "OFF".**
   - The horn will sound briefly and the Parking Lights will flash 4 times
   - NOTE: The system will exit automatically at any time after 10 seconds of no activity.

Alarm Diagnostics

Alarm Quick Test Mode: Use this mode to test all zones of the alarm system and quickly adjust any sensors.
1. **Press & hold the valet button**.
2. **Press the Lock button on the remote** within 2 seconds of step 1 (before the system enters valet mode).
   - The LED will begin to flash rapidly.
3. **Release the valet button**.
   - The siren/horn will chirp indicating any alarm zone violations. See the table below.
   - NOTE: Chirps will repeat every 2 seconds while the trigger remains violated.
   - NOTE: If multiple zones are triggered the chirps will cycle thru the zones every 2 seconds then repeat.
4. **4. Press Lock or Unlock on the controller or power cycle the system to exit.**
   - NOTE: There is no exit timer to this feature, chirps will continure until the zone is clear or the mode is exited.

Zone Violation Recall: To diagnose alarm triggers, disarm/unlock the alarm with the remote and the status LED will flash to indicate which zone(s) were triggered last. Turn the ignition key "ON" to clear alarm trigger memory.

LED Flashes/Chirps	Alarm Quick Test	Zone Violation Recall
1	Sensor Full Trigger	-
2	Hood	Hood
3	Door	Door
4	Sensor Warning	Sensor Port Trigger

Remote Start Diagnostics

If remote start fails to activate, the system will flash the parking lights, and flash the status LED to indicate the cause. If remote start shuts down prematurely after successfully starting, you can recall the violation by putting the system in valet mode (turn ignition ON and hold the valet button for 5+ seconds). Before the status LED turns on (system in valet mode), the LED will flash to indicate any violated zones.

LED Flashes	Violated Zone
1	Brake pedal pressed
2	Hood opened
3	System in Valet Mode
4	3D sensor detected vehicle motion while cranking
5	Engine running not detected
6	Received engine stop command (remote, telematics, etc.)
7	MT reservation mode not set
8	Run time expired
9	Low vehicle battery voltage detected