



GENUINE ACCESSORIES

# INSTALLATION INSTRUCTIONS

PART NUMBER(s):

**0000-8F-K01A**

## SHOCK SENSOR KIT

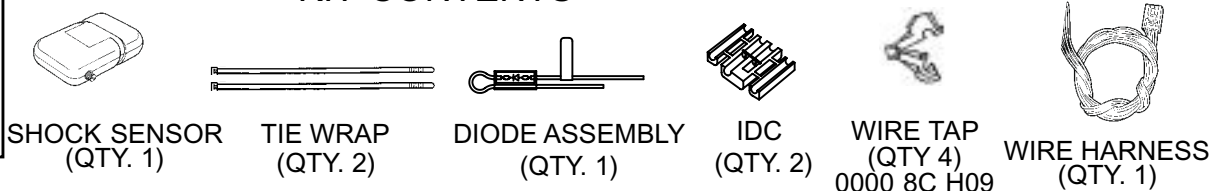
APPLICABLE MODELS:

**2004> RX8**

### TOOLS REQUIRED

SAFETY GLASSES  
ELECTRICAL TAPE  
WIRE CUTTERS  
PLIERS

### KIT CONTENTS



## 2004 RX8 INSTRUCTIONS

### 0 PRE INSTALLATION

1. SET PARKING BRAKE
2. CLEAN HANDS

### 1 ACCESS WIRE HARNESS

1. To access wire harnesses, first pull up on the plastic sill panel that runs along passenger floorboard. (FIGURE A)

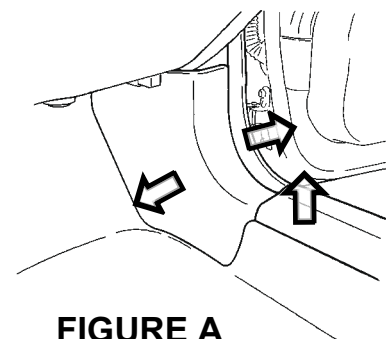


FIGURE A

2. Next, loosen the rubber door seal that holds the kick panel cover in place. (FIGURE A)
3. Finally, remove kick panel by pulling inward. (FIGURE A)

### 2 WIRE HARNESS CONNECTIONS

1. Locate the two wires listed below in the vehicle's white 14-pin connector located up high in the passenger kick panel ( FIGURE B)
2. Using pliers, crimp one of the supplied wire taps to each of specified wires making sure to align the wire in the splicing portion of the wire tap. (FIGURE C)
3. Once each wire tap is crimped to the specified vehicle wire, insert each male connector from the shock sensor wire harness to the appropriate wire in the vehicle.

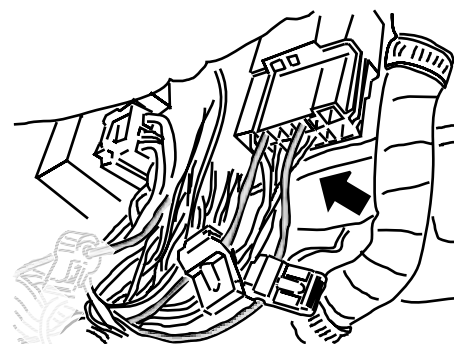


FIGURE B

#### SHOCK SENSOR HARNESS

#### VEHICLE WIRE

- |             |   |                   |
|-------------|---|-------------------|
| RED WIRE    | ⇒ | BLUE/RED WIRE     |
| ORANGE WIRE | ⇒ | BLACK/YELLOW WIRE |

4. Inspect the connection to ensure the metal tab is inserted properly and making contact with the wire tap.

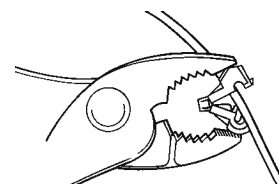
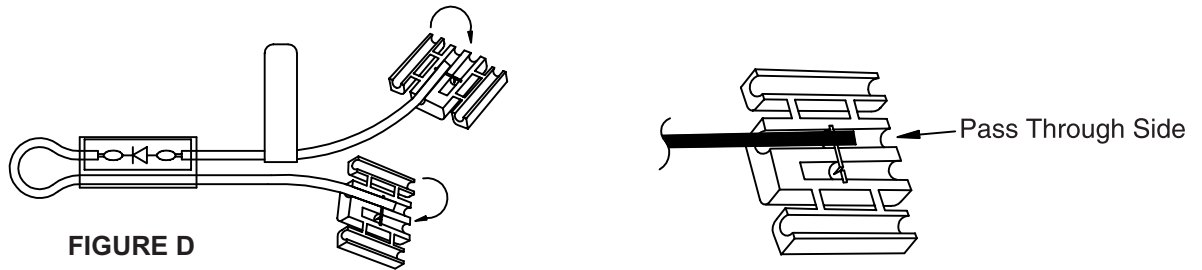


FIGURE C

### 3 DIODE HARNESS PREP

1. Insert end of wire into the "pass through" side of an IDC (Insulation Displacement Connector).  
Make sure of the following:
  - \* The wire is not placed on the side with a "stop" molded in.
  - \* The other side has the open end facing away from diode.
  - \* The end of the wire is not exposed when the IDC is closed.
2. After confirming placement of the wire in the IDC close this side of IDC using pliers. (FIGURE D)
3. Repeat above steps for the other wire.



### 4 INSTALLING DIODE ASSEMBLY

1. In the same harness, locate the BROWN wire coming from the 24-way connector.
2. Using wire cutters, cut this wire in half.
3. Connect the diode assembly to the BROWN wire as follows:
  - Label side → Keyless control module
  - Non-label side → Vehicle harness

Using pliers close the open side of the IDC's.

Make sure the wire is placed in the IDC's so that the end meets the "stop" in the IDC. (FIGURE E)

NOTE: it is very important that the diode harness is attached in the correct direction and that the BROWN shock sensor wire is connected to the correct side. Failure to do this will damage the shock sensor! (FIGURE E)

4. Using pliers crimp one red wire tap to the label side of the diode assembly as shown. (FIGURE F)
5. Attach male connector of the shock sensor harness into red wire tap.

SHOCK SENSOR HARNESS BROWN WIRE → DIODE ASSEMBLY BROWN WIRE (Labeled Side)

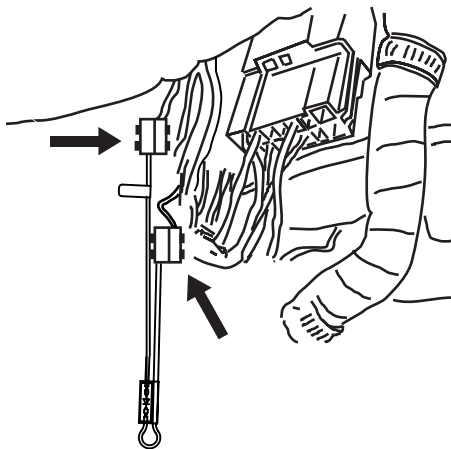


FIGURE E

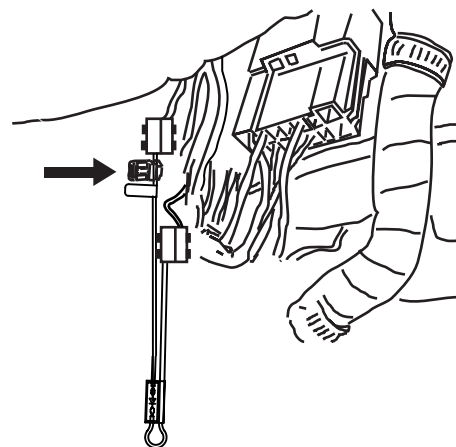


FIGURE F

## 5 WIRE HARNESS CONNECTIONS

1. Locate a black wire in the vehicle's white 5-pin ground connector shown in FIGURE G. (Any of the black wires in this connector can be used)
2. Using pliers, crimp one of the supplied wire taps to the specified wire making sure to align the wire in the splicing portion of the connector.
3. Once the wire tap is crimped to the specified vehicle wire, insert the male connector from the shock sensor wire harness to the wire in the vehicle.

### SHOCK SENSOR HARNESS

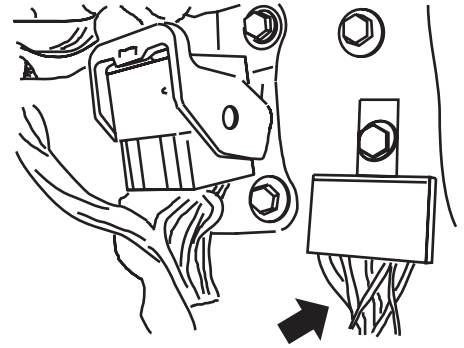
BLACK WIRE



### VEHICLE WIRE

BLACK WIRE

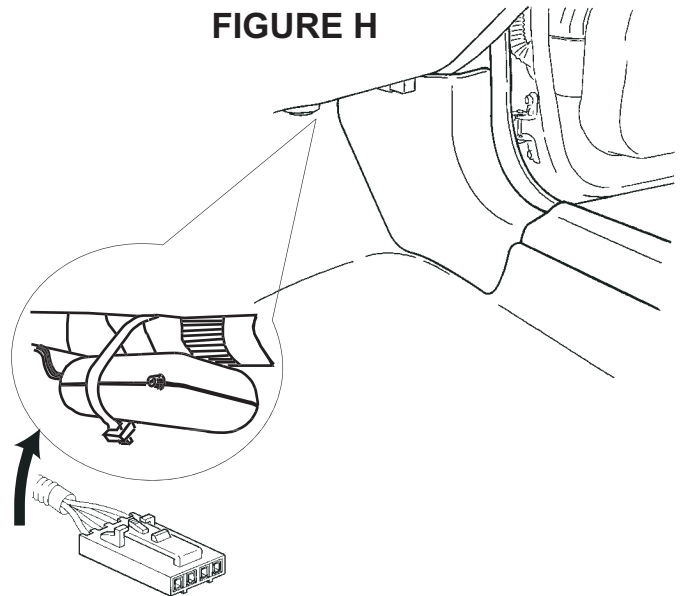
4. Inspect the connection to ensure the metal tab is inserted properly and making contact with the wire tap.



**FIGURE G**

## 6 INSTALL SHOCK SENSOR

1. Plug the small black 4-pin connector into the shock sensor before mounting to the vehicle.
2. Using a tie wrap, mount the sensor to the large wire harness located to the left of the blower motor near the right kick panel making sure the adjustment knob is pointing downward for easy adjustment (FIGURE H), and the LED is facing upward.
3. Use the second tie wrap to secure the excess wire harness at the midway point between the shock sensor and the connection point.
4. Cut excess of the tie wraps using wire cutters.
5. Wrap diode assembly into factory harness so that it won't rattle around or rub in kick panel



**FIGURE H**

## 7 SETTING SENSITIVITY

Shock sensor is factory preset to be at minimum sensitivity. In order for the sensor to be effective, sensitivity level **MUST** be checked after installation. To adjust sensitivity, use the following procedure:

1. Verify that the shock sensor's adjustment knob is turned completely to the counterclockwise position.
2. Close all doors, hood and trunk. Arm security system using the keyless entry transmitter by pressing LOCK.  
NOTE: A KEY MUST NOT BE IN THE IGNITION OR THE SECURITY SYSTEM WILL NOT ARM.
3. Strike the windshield and/or side glass firmly with the palm of your hand. The horn should sound as follows:  
LIGHT IMPACT.....HORN SHOULD NOT SOUND (! VERY IMPORTANT !)  
HEAVY IMPACT.....SECURITY SYSTEM WILL BE TRIGGERED AND HORN WILL SOUND.  
DISARM BY PRESSING UNLOCK ON KEYLESS ENTRY TRANSMITTER.

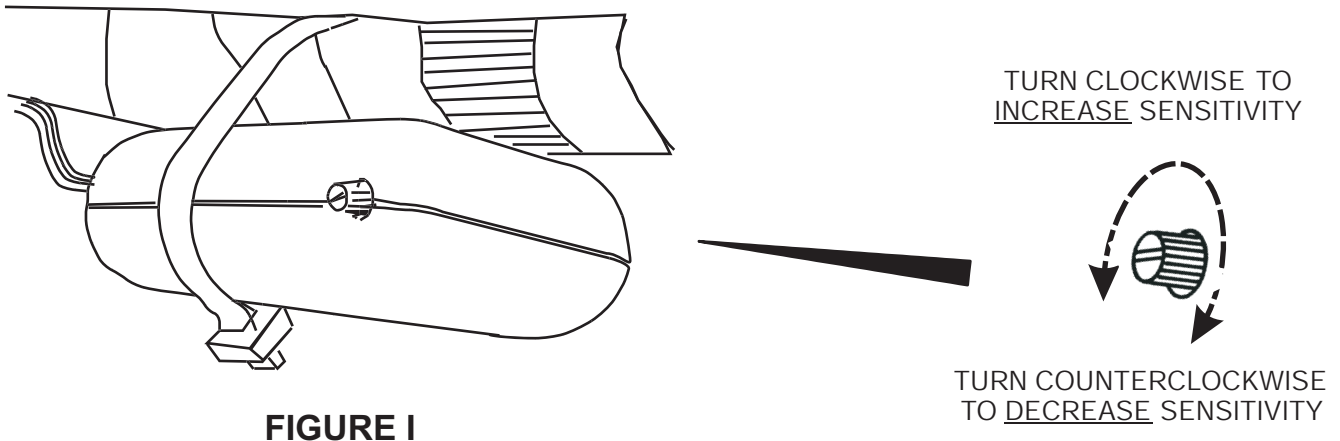
NOTE: IF THE SECURITY SYSTEM IS TRIGGERED BY A GENTLE STRIKE OR THE HORN DOES NOT SOUND AT ALL, PROCEED TO STEP 4.

4. Adjust sensitivity by turning the small knob on the side of the shock sensor (FIGURE I).  
REPEAT STEPS 2 & 3 UNTIL A DESIRED LEVEL OF SENSITIVITY IS ACHIEVED.

If horn sounds but does not sound after 2nd or 3rd test, then the diode is backwards or the wire tap connected to the diode assembly (from the shock sensor) is on the wrong side of the diode. **IF THIS OCCURS THE SHOCK SENSOR MUST BE REPLACED AFTER CORRECTING THE CONNECTION(S).** See section 4 for details.

5. To avoid any false triggers, a final test of the shock sensor should be performed by the following test while the system is armed. A light impact should **NOT** trigger the alarm system. If this happens, a false trigger will occur in the field and the system should be re-adjusted by following steps 2-5.

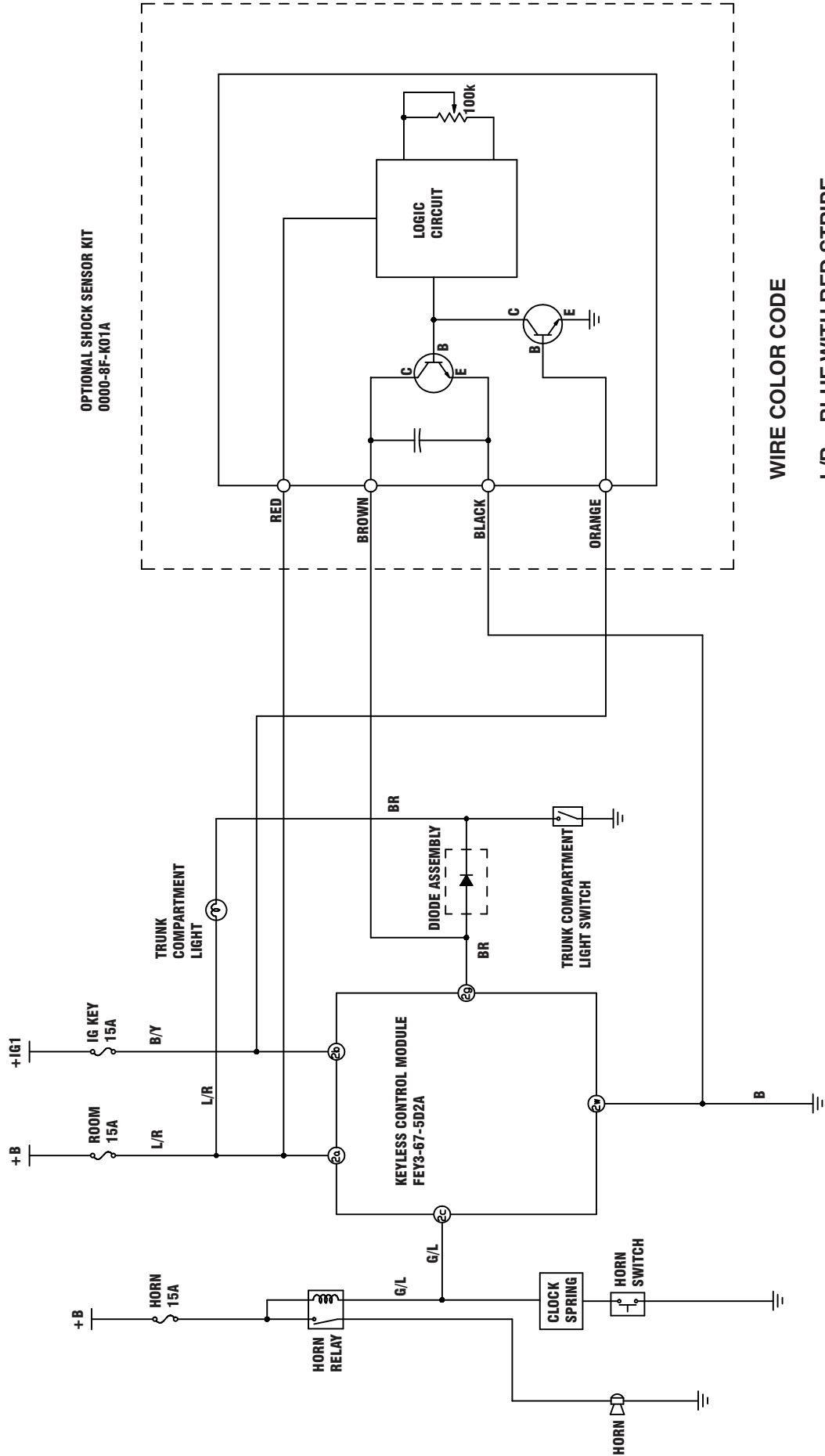
- \* Drop a tennis ball from 1 meter above the windshield.
- \* If the system triggers, it must be turned down and retested.



## 8 FINAL ASSEMBLY

1. When installation is complete, make sure all connections are secure and replace plastic panels and door seal.
2. Clean vehicle of all scrap wire, tape and debris that may have been left from the installation.
3. Clean windows and surfaces of any fingerprints that may have been left during the installation process.

# SYSTEM WIRING DIAGRAM RX-8



OPTIONAL SHOCK SENSOR KIT  
0000-8F-K01A

WIRE COLOR CODE

- L/R = BLUE WITH RED STRIPE
- G/L = GREEN WITH BLUE STRIPE
- B/Y = BLACK WITH YELLOW STRIPE
- B = BLACK
- BR = BROWN