

YEAR
'91 - 92
'91 - 92
1992

MODEL
NSX
LEGEND
VIGOR

VIN APPLICATION
ALL with
keyless entry

BULLETIN NO.
91-052

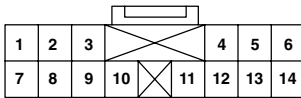


Troubleshooting for Optional Keyless Entry System

Symptom	Probable Cause	Corrective Action
1. One of the two remotes works only at short range.	<ul style="list-style-type: none"> - Weak batteries in the remote. - Faulty remote transmitter. 	<ol style="list-style-type: none"> 1. Install known-good batteries. (Try the batteries from the other transmitter.) 2. If the range is still short, order a new remote transmitter. Ordering instructions are on page 8 of Parts Information Bulletin A91-0013.
2. Both remotes work only at short range.	<ul style="list-style-type: none"> - Weak batteries in both remotes. - Poor connection between the keyless antenna and the control unit. - Faulty keyless antenna. - Faulty keyless control unit. 	<ol style="list-style-type: none"> 1. Install new batteries in both remote transmitters. (Two CR 1220 batteries in each.) 2. If the range is still short, check the antenna-to-control unit connection. 3. If the antenna connection is OK, replace the antenna with a known-good antenna. 4. If the range is still short with a good antenna, replace the control unit. Order a complete kit; the control unit is not available separately. The remote control transmitters from the new kit must be used with the new control unit.
3. One remote does not work at all, the other one is OK.	<ul style="list-style-type: none"> - Dead batteries in that remote transmitter. - Incorrect remote transmitter for the control unit. - Faulty remote transmitter. 	<ol style="list-style-type: none"> 1. Install new batteries in the remote transmitter. (Two CR 1220 batteries.) 2. Check the serial number on the remote; if it is not the same as the number on the control unit, the remote will not work. 3. If the remote and the control unit have the same serial number, and the remote still doesn't work, even with known-good batteries, replace the remote. Ordering instructions are on page 8 of Parts Information Bulletin A91-0013.

Symptom	Probable Cause	Corrective Action
<p>4. Neither remote works.</p>	<ul style="list-style-type: none"> – Dead batteries in both remotes. – Poor connection between the keyless antenna and control unit. – Faulty control unit antenna. – Incorrect remote transmitters for the control unit. – No power to keyless control unit. – Faulty keyless control unit. – Faulty remote transmitters. 	<ol style="list-style-type: none"> 1. Check the serial number on each remote; if it is not the same as the number on the control unit, the remotes will not work. 2. Install new batteries in both remote transmitters. (Two CR 1220 batteries in each.) 3. If the system still will not work, check the antenna-to-control unit connection. 4. If the antenna connection is OK, replace the antenna with a known-good antenna. 5. If a known-good antenna makes no difference, run an input test on the control unit. Use the appropriate input test from the following pages. Make repairs as necessary to correct the inputs. 6. If all inputs are OK, replace the control unit. Ordering instructions are on page 8 of Parts Information Bulletin A91-0013.
<p>5. The security system alarm goes off when the doors are unlocked with the keyless entry remote.</p>	<ul style="list-style-type: none"> – The terminals from the keyless entry wire harness were inserted into the wrong cavities of the security control unit connector (NSX and Legend). – An open in a wire between the keyless control unit and the security control unit. 	<ol style="list-style-type: none"> 1. Check the location of the terminals in the security control unit connector, and correct them if necessary (see following pages). 2. Check the inputs at terminals 8 and 9 of the keyless control unit connector (see following pages). 3. If the inputs are OK, replace the keyless control unit. Order a complete kit; the control unit is not available separately. The remote control transmitters from the new kit must be used with the new control unit. Ordering instructions are on page 8 of Parts Information Bulletin A91-0013.

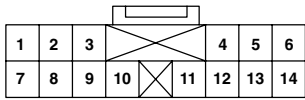
Input Test for '91-92 Legend Keyless Entry Control Unit



Before testing, make sure the courtesy light or ceiling light goes on when you open the driver's door. (At least one driver's door switch circuit must be working to provide a reference voltage, or your test results will be incorrect.) Disconnect the harness from the control unit and check for continuity to ground at terminal 14 (black wire). Then reconnect the harness and check input at the following terminals:

Terminal	Wire Color	Condition	Desired Result
6	WHT/GRN	Under all conditions	Check voltage to ground; should be battery voltage.
3	GRN/WHT	Left door lock switch in neutral position.	Check voltage to ground; should be 4 volts or more.
		Left door lock switch in lock position.	Check voltage to ground; should be 1 volt or less.
2	GRN/RED	Left door lock switch in neutral position.	Check voltage to ground; should be 4 volts or more.
		Left door lock switch in lock position.	Check voltage to ground; should be 1 volt or less.
1	GRN/BLK	Left front lock knob in lock position.	Check voltage to ground; should be 4 volts or more.
		Left front lock knob in unlock position.	Check voltage to ground; should be 1 volt or less.
12	GRN/BLU	Left front door open.	Check voltage to ground; should be 1 volt or less.
		Left front door closed.	Check voltage to ground; should be 4 volts or more.
4	BLU/WHT	Key not in ignition.	Check voltage to ground; should be 4 volts or more.
		Key in ignition.	Check voltage to ground; should be 1 volt or less.
8	YEL	Keyless remote button not pushed.	Check voltage to ground; should be about 5 volts.
9	RED	Keyless remote button not pushed.	Check voltage to ground; should be about 12 volts.

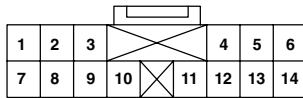
Input Test for '92 Vigor Keyless Entry Control Unit



Before testing, make sure the courtesy light or ceiling light goes on when you open the driver's door. (At least one driver's door switch circuit must be working to provide a reference voltage, or your test results will be incorrect.) Disconnect the harness from the control unit and check for continuity to ground at terminal 14 (black wire). Then reconnect the harness and check input at the following terminals:

Terminal	Wire Color	Condition	Desired Result
6	WHT	Under all conditions	Check voltage to ground; should be battery voltage.
3	GRN/WHT	Left door lock switch in neutral position.	Check voltage to ground; should be 4 volts or more.
		Left door lock switch in lock position.	Check voltage to ground; should be 1 volt or less.
2	GRN/RED	Left door lock switch in neutral position.	Check voltage to ground; should be 4 volts or more.
		Left door lock switch in lock position.	Check voltage to ground; should be 1 volt or less.
1	YEL/RED	Hood closed.	Check voltage to ground; should be 4 volts or more.
		Hood open.	Check voltage to ground; should be 1 volt or less.
11	BLK/WHT	Any door open.	Check voltage to ground; should be 1 volt or less.
		All doors closed.	Check voltage to ground; should be 4 volts or more.
4	BLU	Key not in ignition.	Check voltage to ground; should be 4 volts or more.
		Key in ignition.	Check voltage to ground; should be 1 volt or less.
8	GRN/BLK	Keyless remote button not pushed.	Check voltage to ground; should be about 5 volts.
9	GRN/BLU	Keyless remote button not pushed.	Check voltage to ground; should be about 12 volts.

Input Test for '91-92 NSX Keyless Entry Control Unit



Before testing, make sure the courtesy light or ceiling light goes on when you open the driver's door. (At least one driver's door switch circuit must be working to provide a reference voltage, or your test results will be incorrect.) Disconnect the harness from the control unit and check for continuity to ground at terminal 14 (black wire). Then reconnect the harness and check input at the following terminals:

Terminal	Wire Color	Condition	Desired Result
6	ORN/GRN	Under all conditions.	Check voltage to ground; should be battery voltage.
3	GRN/WHT	Left door lock switch in neutral position.	Check voltage to ground; should be 4 volts or more.
		Left door lock switch in lock position.	Check voltage to ground; should be 1 volt or less.
2	GRN/RED	Left door lock switch in neutral position.	Check voltage to ground; should be 4 volts or more.
		Left door lock switch in lock position.	Check voltage to ground; should be 1 volt or less.
1	YEL/GRN	Left front lock knob in lock position.	Check voltage to ground; should be 4 volts or more.
		Left front lock knob in unlock position.	Check voltage to ground; should be 1 volt or less.
12	GRN/BLU	Left front door open.	Check voltage to ground; should be 1 volt or less.
		Left front door closed.	Check voltage to ground; should be 4 volts or more.
4	BLU/GRN	Key not in ignition.	Check voltage to ground; should be 4 volts or more.
		Key in ignition.	Check voltage to ground; should be 1 volt or less.
8	YEL	Keyless remote button not pushed.	Check voltage to ground; should be about 5 volts.
9	RED	Keyless remote button not pushed.	Check voltage to ground; should be about 12 volts.