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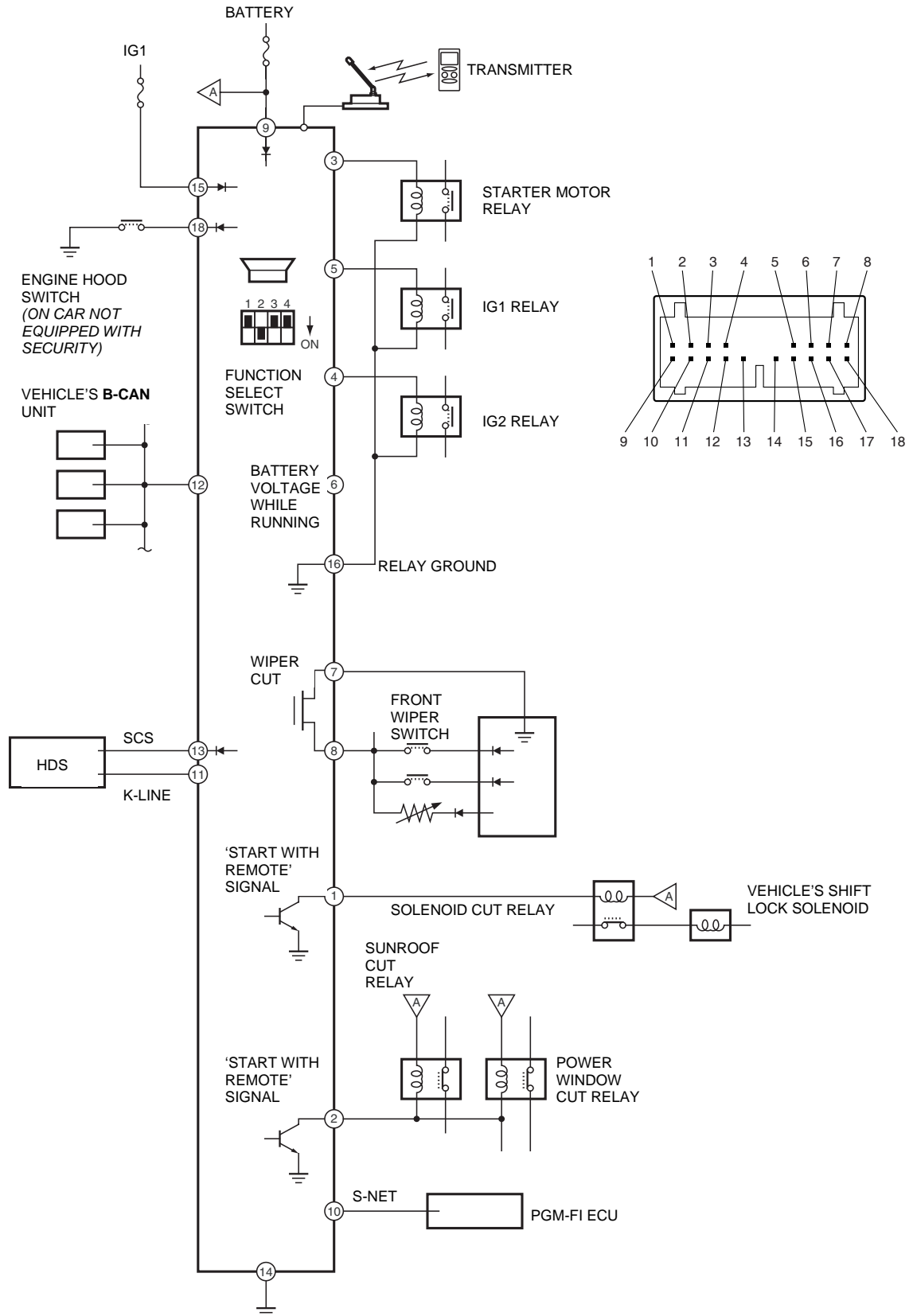
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1.0 System Diagram

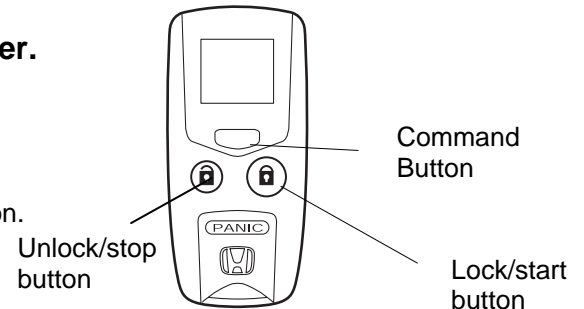


2.0 System Basics

The system requires proper installation and registration before it will start. Please refer to the installation instructions to install and register the remote control starter system.

2.1 How to Start a Car with the Remote Transmitter.

1. Place the vehicle in Park.
2. Remove the key from the ignition.
3. Close all doors including the hood and tailgate.
4. Lock all doors.
5. Press the "Command" button followed by the lock button.



2.2 How to Stop the Engine Using the Remote Transmitter

The engine will stop under numerous conditions (Section 3.5)

To stop the engine only:

1. Start the engine with the remote starter.
2. Press the command button followed by the unlock/stop button.

3.0 Remote Controlled Engine Starter Function

3.1 Construction

The Remote Control Starter System consists of a transmitter, antenna, control unit, wire harness and related relays to control large amounts of current without having the large current flow inside the control unit and wire harness.

3.2 Communication

After receiving the "Starter Signal" from the transmitter, the control unit checks if the necessary requirements are met to turn on the starter motor by checking the vehicle's BCAN line and the switched inputs to the remote starter control unit.

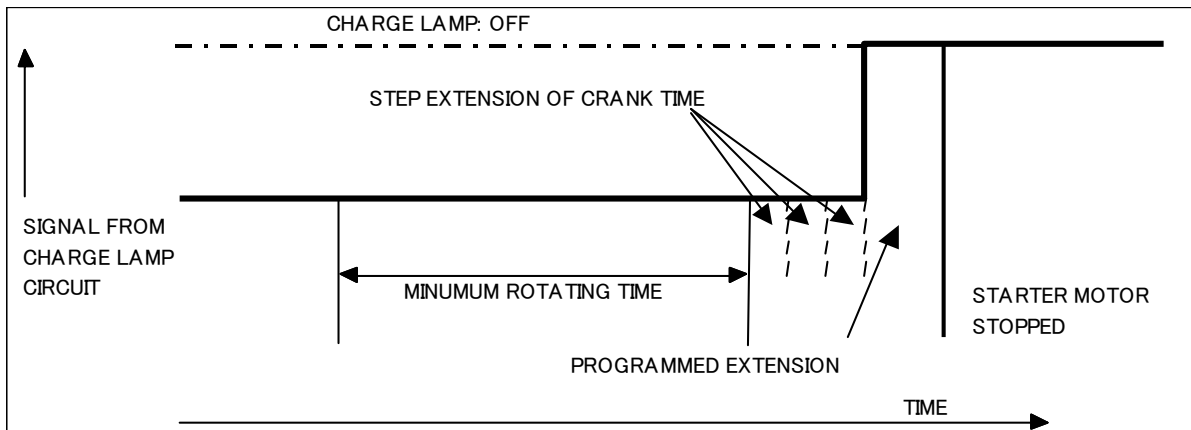
3.3 Conditions Required to Remote Start the Engine

The following conditions must be met to switch on the IG1 relay and the starter motor relay which start the vehicle.

- All doors are closed. (Door switches: Off)
- Tailgate is closed. (Tailgate switch: Off)
- Engine hood is closed. (Engine hood switch: Off)
- Door locks are activated (Door lock knob unlock switch: Off)
- Transmission select lever is in the P position. (P position switch: On)
- Key is not inserted into the ignition: (Key switch: Off)
- IGN 1 signal is not at 12V.
- Brake pedal is not pressed. (Brake light switch: Off)
- Security alarm signal is not ON.
- System is not in PANIC condition.

3.4 Determining If the Engine is Running.

The control unit confirms that the engine is running by monitoring the signal from the charge lamp circuit. The starter motor has a minimum rotating time. After the minimum period has expired, it will extend the starter in timed steps until the Indication OFF signal from the charge lamp circuit is received. Once the signal is received, the starter motor has a short delay to ensure the engine is running and then it stops cranking. As a result the engine continues to crank for a very brief period as the engine starts to run.



3.5 Conditions Which Will Cause the Engine to Stop

While the engine is running, the control unit stops the engine when 1 of the following signals is received.

- Door is opened. (Door switch: On)
- Tailgate is opened. (Tailgate switch: On)
- Engine hood is opened. (Engine hood switch: On)
- Transmission select lever is moved from the P position. (P position switch: Off)
- Key is inserted into the ignition switch. (Key switch: On)
- Door locks are released. (Door lock knob unlock switch: On)
- Engine speed exceeds 4000 rpm.
- Engine Malfunction Indicator Lamp turns on.
- Engine low oil pressure indicator comes on.
- The security alarm signal is received.
- The Panic (Active Alarm) signal is received.
- The Panic (Active Alarm) signal is received from the transmitter of the Remote control Starter System.
- The stop signal from the transmitter of the remote control starter system is received.
- Specified engine running time is completed.

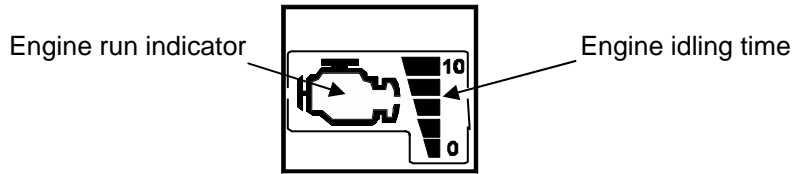
4.0 Remote Starter Answer Back Description

The remote starter has 2-way communication. That means the transmitter can send signals to the vehicle to start and the vehicle can send signals back to the transmitter to inform the user if the start was successful. Other information such as the remaining idle time, the door lock status and the security system status can also be displayed.

4.1 Answer Back When Starting the Vehicle

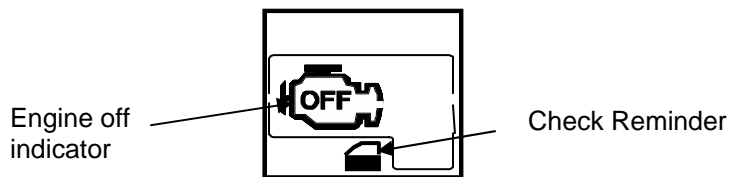
When a start is requested, the transmitter will answer back with one of the following:

Engine Run Indicator and remaining idle time



This display indicates the remote start was successful and the engine is running

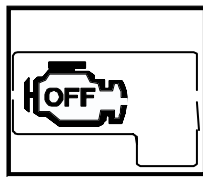
The engine off indicator and the check reminder



The combination of these symbols means the remote start was not allowed when one of the following conditions is not met.

- All doors are closed. (Door switches: Off)
- Tailgate is closed. (Tailgate switch: Off)
- Engine hood is closed. (Engine hood switch: Off)
- Door locks are activated (Door lock knob unlock switch: Off)
- Transmission select lever is in the P position. (P position switch: On)
- Key is not inserted into the ignition: (Key switch: Off)
- Brake pedal is not pressed. (Brake light switch: Off)

The engine off indicator only.



This symbol has two meanings:

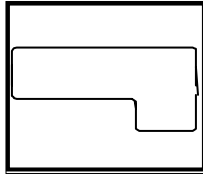
- a) the engine start was not successful.
- b) the engine stop was successfully completed.

If you get this symbol when trying to start the engine it is likely that the engine has been restarted more than 2 times without a 20-minute waiting period. See section 5.3

If you get this symbol when trying to stop the engine, the stop was successful and the system is working normally.

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No answer back.

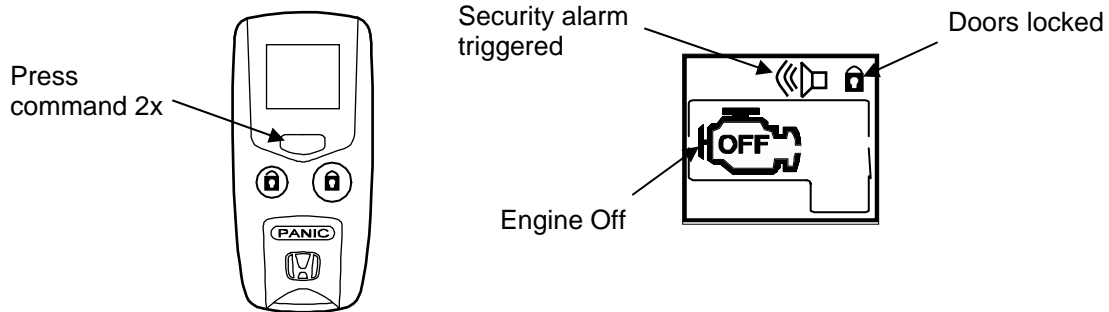


This screen will be displayed when a start is requested and the transmitter receives no answer back from the vehicle. It commonly occurs when the transmitter is out of range of the vehicle. If this symbol appears when trying to start the car at short range without interference, it may indicate a problem with the remote starter system. See section 9.0 for diagnosis.

NOTE: The range of the remote transmitter exceeds the range of the answer back signal. In some cases the engine will be started but no answer back will be received.

4.2 Answer Back to Check Vehicle Status.

Pressing the command button twice will check the vehicle status. It will tell you the engine running condition and remaining idling time, the door lock condition and if the security system has been triggered.

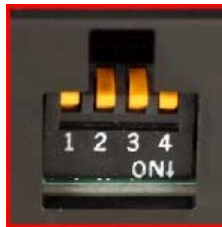


5.0 Control Unit Operation.

The control unit sends the engine starter signal to prevent the security system from setting the alarm. The engine starter signal is also used to stop some functions (power window/sunroof/wipers) when starting the engine

5.1 Function Select Switches

There are 4 switches on the side of the control unit that will allow the control unit to be used with future Honda models. Refer to the installation instructions to determine how the control unit is supposed to be pre set.



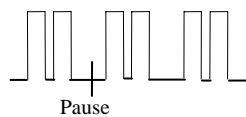


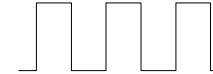







- Switch 1: This switch should be turned on if the car is equipped with a rear junction Unit
For CR-V it remains in the OFF position.
- Switch 2: This switch should be turned on if the car is equipped with a lockable tailgate
For CR-V the switch should be in the ON position.
- Switch 3: For Japanese market vehicles only.
For CR-V this switch should be in the OFF position
- Switch 4: For Japanese market vehicles only.
For CR-V this switch should be in the OFF position

NOTE: After changing the function select switches, the control unit must be powered off (disconnected) and then powered back on (reconnected) before the changes are registered

5.2 The Control Unit Buzzer Indicating Cause of “no start”

The control unit can indicate the cause of no start by sounding a buzzer inside the case. This sound can be heard inside the vehicle after a remote start has been denied because one of the required starting conditions was not met (Section 3.3). If it is confirmed all conditions to start have been met and the buzzers still sounds it may indicate a problem with the sensor which inputs that signal. Refer to the vehicle’s service manual for repair. On a vehicle not originally equipped with a security system, if the system is indicating a no start due to the hood being open when the hood is hood closed, refer to section 5.2.1 for further diagnosis.

Engine hood is opened	Sound 	
	No Sound 	
Transmission select lever is not in Park or Brake light switch signal is being sent to the control unit.		Short sound: 200 milliseconds No sound 00 milliseconds
Door is opened Doors are unlocked		
Tailgate is opened Tailgate is opened		
Voltage in charge lamp circuit has not reached the specified value		Long sound: 500 milliseconds No sound 500 milliseconds
Immobilizer code of the remote control starter system is not matched with the vehicle. After starting, the Ignition on signal is not sent to the control unit.		
The key is inserted into the ignition switch		
Vehicles IG1 signal is sent to the control unit		
Engine speed is over 4000 rpm Engine Malfunction Indicator Lamp is on Engine Oil Pressure Lamp is on		
B-CAN signal is OFF		

The most recent cause of no start can also be viewed using the HDS as well.

- Connect the tablet tester to vehicle’s Data Link Connector.
- Turn on the HDS, input the required items, select “HONDA SYSTEMS”, select “R/C ENGINE STARTER”
- Select “HISTORY”, “ENGINE (DOESN’T) RUN HISTORY”

5.2.1 Hood Switch Test. (For vehicles without a factory installed security system)

1. Disconnect the hood switch and inspect for proper operation.

On the hood switch side of connector, with the hood open, is there continuity across the terminals?

YES – Continue to Step 2

NO – Replace hood switch and retest. ■

2. Using the shaft of a screw driver press down on the hood latch until it latches in the closed position.

On the hood switch side of the connector, with the hood switch in the closed position, is there continuity across the terminals?

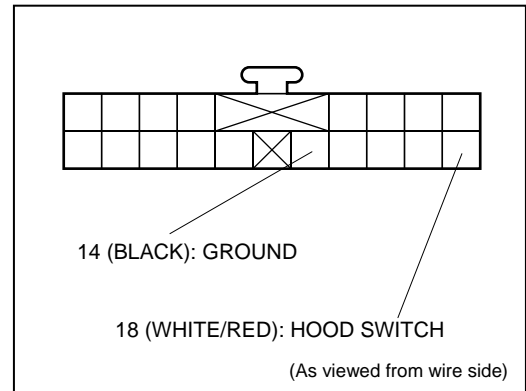
YES – Replace the hood switch and retest ■

NO – Reconnect the hood switch, release the hood latch by pulling the hood release lever and continue to step 3.

3. With the hood open and all connectors connected, is there continuity between pin 14 and 18 of the R/C starter control unit connector

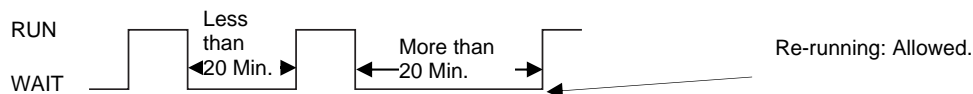
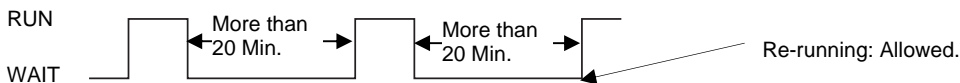
YES – Hood switch and wiring is OK replace R/C starter control unit.

NO – Repair open or short in hood switch wiring.



5.3 Restarting with the Remote Transmitter

To prevent excessive carbon monoxide accumulation in and around the vehicle, the maximum engine running time is 10 minutes. The number of times the engine can be restarted with the remote control is also limited. The engine can only be started three times without a 20 minute waiting period between the time the engine was stopped and the time it is restarted with the remote.



For diagnostic and sales demonstration purposes a running time less than 30 seconds is not counted as a start. An unlimited number of restarts can be performed provided the engine is run less than 30 seconds.

6.0 Keyless Entry Function

6.1 Locking

The control unit activates the door locks if the "locking signal" from the transmitter is received and the following conditions are met.

- All doors are closed. (Door switches: Off)
- Tailgate is closed. (Tailgate switch: Off)
- Key is not inserted into the ignition switch. (Key switch: Off)
- IG1 line is not at 12V

To inform you that the doors have been locked, the parking lights blink once and the door lock Indicator shows up on the transmitter. If the lock/start button is pressed again within 5 seconds of the first push, the control unit sounds the horn once to confirm that the door locks are already activated.

6.2 Unlocking

The control unit releases the driver's door lock, when the "Unlocking Signal" from the transmitter is received. The parking lights blink twice and the "door unlock indicator" shows up on the transmitter indicating the driver's door lock is released. If the Unlock/Stop button is pressed again within 30 seconds all door and tailgate locks will release.

6.3 Relocking

If the door is not opened, the control unit re-activates the door locks automatically 30 seconds after the last Unlock/Stop button is pressed. The parking lights do not blink when re-locking. The re-locking is stopped when any 1 of the following conditions is met.

- Door is opened. (Door switch: On)
- Tailgate is opened. (Tailgate switch: On)
- Key is inserted into the ignition switch. (Key switch: On)
- IG1 signal is sent.

6.4 Panic (Active Alarm)

When the PANIC button is pressed and held for more than 1 second, the control unit sounds the alarm for 30 seconds.

When the alarm is sounding, the headlights, parking lights, and horn are turned on intermittently

The control unit stops the alarm when any of the following signals are received.

The PANC (active alarm) signal

The Engine start signal from the remote transmitter

The Engine stop signal from the remote transmitter

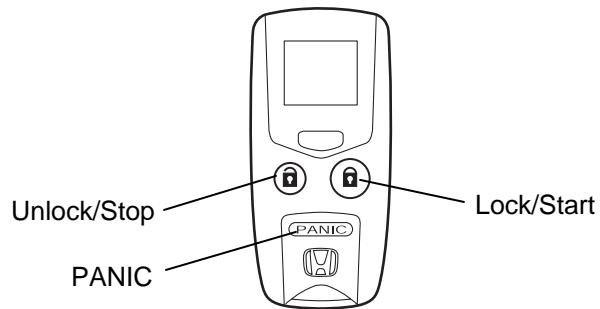
The Lock signal from the keyless entry

The Unlock signal from the keyless entry

The Tailgate open signal from the transmitter

6.5 Security Alarm and Panic Alarm

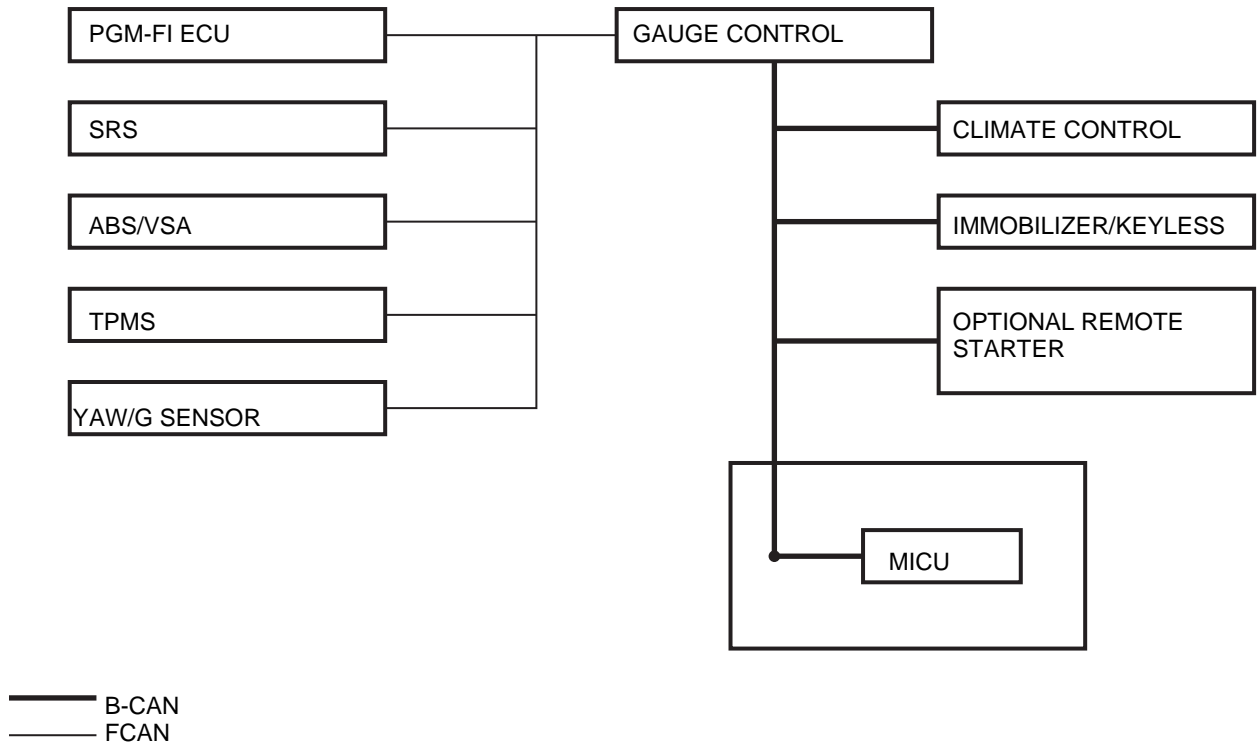
- If the security system sets off the alarm, it can only be turned off using the unlock/stop button and not the PANIC button.
- If the PANIC button is used to activate the alarm, any button will turn off the alarm.
- If the PANIC button is used to activate the alarm, and while sounding, the security system also activates the alarm, the security system takes precedence and only the Unlock/Stop button will deactivate the alarm



7.0 System Descriptions

7.1 Body Controller Area Network (B-CAN)

The engine control unit is connected to the body controller area network (B-CAN) This network enables the engine starter control unit to communicate with the gauge control module, the Multiplex Integrated Control Unit (MICU) and the immobilizer control unit.



7.2 Diagnostic Trouble codes for the B-CAN systems

There are 3 types of diagnostics available for the B-CAN communication system

- Internal Error DTCs
- Loss of Communication DTCs
- Signal Error DTCs

Internal Error DTCs	The ECUs run internal checks. If one finds that there is an internal ECU problem, it will set an internal error DTC. This indicates that the ECU needs to be replaced.
Loss of Communications DTCs	Loss of communication DTCs (and BUS-off DTCs) are set when there is a problem with the communication between ECUs. This could be in the connections, the wiring or the ECU.
Signal Error DTCs	The ECUs can run diagnostics on some input circuits to determine if that circuit is functioning properly (no open or short circuits). If a circuit fails the diagnostic test, a DTC will set (NOTE: Not all input circuits are tested for errors.)

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7.2.1 Loss of Communication Cross-Reference Chart

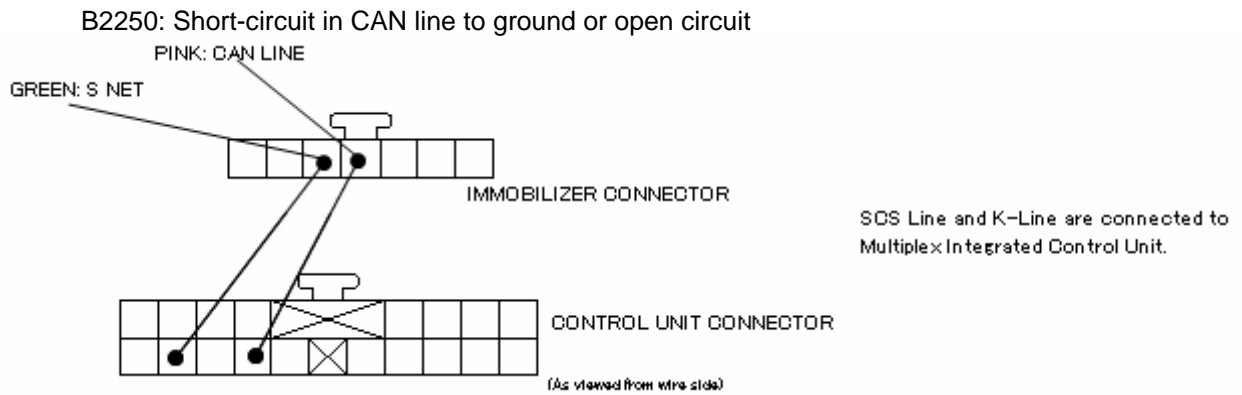
Transmitting Control Unit	Message	Receiving Unit/Loss of Communication DTC			
		Multiplex Integrated Control Unit (MICU)	Gauge Control Module	Immobilizer Keyless Entry Control Unit	Engine Starter Control Unit
Multiplex Integrated Control Unit (MICU)	RM		B1188		B2259
	HLSW		B1155		
	WIPSW		B1156		
	MICU		B1157		B2256
	DOORSW		B1159		B2255
	DRLOCKSW		B1160	B1905	B2262
Gauge Control Module	VSP/NE	B1011			B2258
	A/T	B1008		B1906	B2257
	CDS(SRS)	B1032			
	ILLUMI				B2263
ECM/PCM	ENG		B1168		
	A/T		B1169		
SRS	SRS		B1187		
VSA	VSA		B1170		
TPMS	TPMS		B1173		

7.2.2 B-CAN System Switch Device Index for Remote Control Engine Starter

Control Unit	Function	Input
Multiplex Integrated Control Unit (MICU)	Daytime Running Lights	Transmission Switch (P position)
	Power Door Locks (Vehicle Speed Sensor)	Vehicle Speed Pulse Engine RPM
	Door Lock Response Operation	Door Lock Signal
	Keyless Entry System	Keyless Lock Signal
	Keyless PANIC	Keyless PANIC Signal
	Security Alarm Signal	Keyless Lock Signal Door Lock Signal
Gauge Control Module	Communication with MICU	Vehicle Speed Pulse Engine RPM

7.2.3 Troubleshooting B-CAN system DTCs

Signal Error DTCs



If B2250 is shown whenever the HDS is used, the remote controlled engine starter will not work consistently. Repair the CAN LINE first, then check other DTC's

NOTE: To determine if there is an intermittent or permanent wiring failure, clear the DTCs before troubleshooting with the tablet tester. Intermittant failures may require additional diagnostic work.

NOTE: If the engine can be started with the remote and is stopped within a few seconds, make sure that the vehicle Malfunction Indicator Lamp or the oil pressure warning lamp are not causing the control unit to shut down the engine.

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8.0 Remote Starter Problem Diagnosis

The following cross-reference chart lists some symptoms and possible component failures that could cause these symptoms.

If the problem is discovered immediately following installation, please refer to Section 27 for a quick reference chart of disconnected parts to results.

8.1 Symptom and Possible Cause Chart

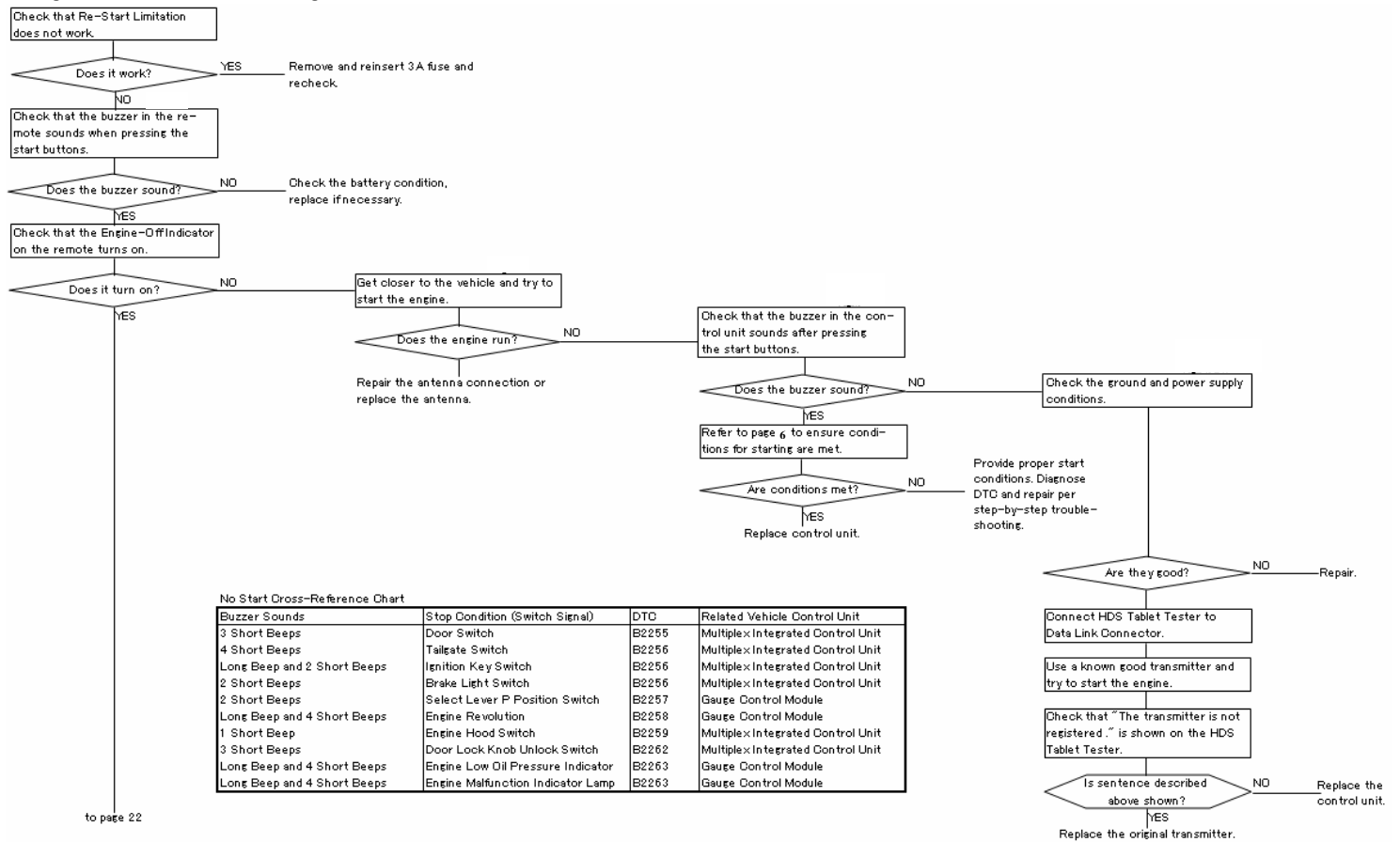
Symptom	Item to be checked											Refer to page			
	Transmitter	Control Unit	3A Fuse (Orange-Red)	3A FUSE (Yellow-Gray)	40A Fuse (White-Light Green)	30A Fuse (White-Pink)	IG1 Relay	Starting Motor Relay	IG2 Relay	Engine Hood Switch	Solenoid Cut Relay		Power Window Cut Relay	Sunroof Cut Relay	Wire Harness
Engine does not rotate.	x	x	x	x	x	x	x	x						x	
Engine can start to rotate, but does not continue to run.		x													
Starter motor does not turn off when engine is running.		x						x							
Engine will not stop using transmitter.	x	x													
Heater/air conditioner does not operate when running.		x							x					x	
With front wiper switch turned on, the front wipers continue to operate during running.		x												x	
Engine does not stop when door is opened.		x													
Engine does not stop when tailgate is opened.		x													
Engine does not stop when key is inserted into ignition.		x													
Engine does not stop when brake pedal is pressed.		x													
Engine does not stop when shifter is out of Park.		x													

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	Item to be checked												Refer to page		
	Transmitter	Control Unit	3A Fuse (Orange-Red)	3A FUSE (Yellow-Gray)	40A Fuse (White-Light Green)	30A Fuse (White-Pink)	IG1 Relay	Starting Motor Relay	IG2 Relay	Engine Hood Switch	Solenoid Cut Relay	Power Window Cut Relay		Sunroof Cut Relay	Wire Harness
Symptom															
Engine does not stop when engine speed exceeds 4000 rpm.		x													
Engine does not stop when hood is open. (Security System Equipped Model)		x													
Engine does not stop when hood is open. (Security System Not Equipped Model)		x							x						
Engine does not stop when driver's door lock is released.		x													
Engine does not stop when oil pressure light is on.		x													
Engine does not stop when MIL is turned on.		x													
Engine does not stop with PANIC Signal.	x	x													
Shift lock solenoid operates after vehicle is started with remote.										x			x		
Power window operates after vehicle is started with remote.											x			x	
Sunroof operates after vehicle is started with remote.												x		x	

9.0 Engine Does not Start Troubleshooting

9.1 Engine Does not Start Troubleshooting Flow chart

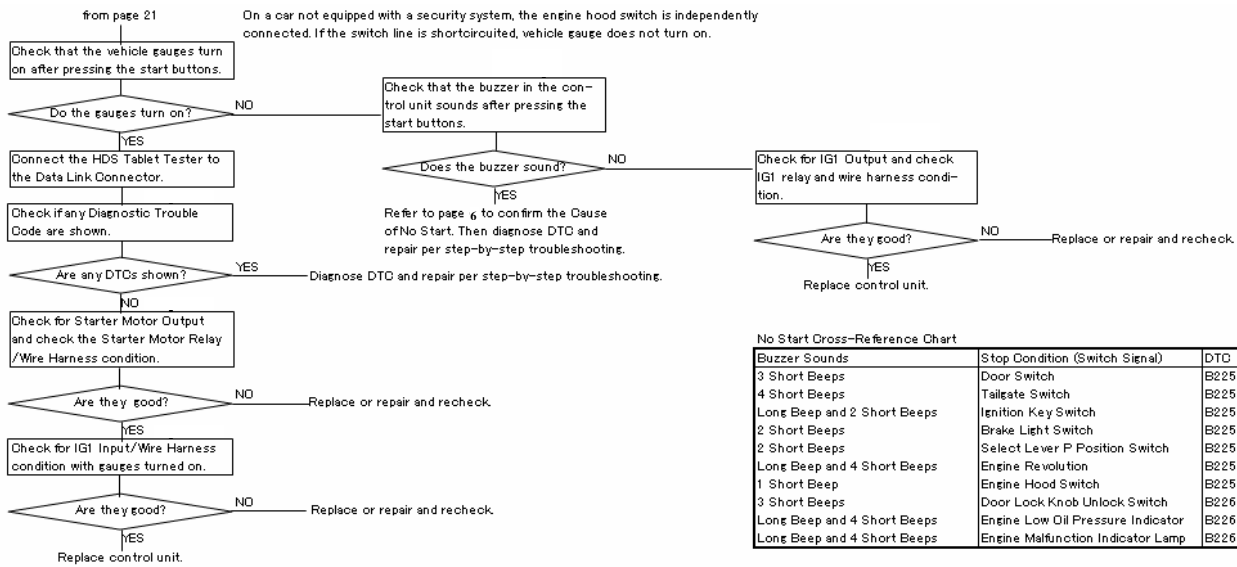


No Start Cross-Reference Chart

Buzzer Sounds	Stop Condition (Switch Signal)	DTC	Related Vehicle Control Unit
3 Short Beeps	Door Switch	B2255	Multiple×Integrated Control Unit
4 Short Beeps	Tailgate Switch	B2256	Multiple×Integrated Control Unit
Long Beep and 2 Short Beeps	Ignition Key Switch	B2256	Multiple×Integrated Control Unit
2 Short Beeps	Brake Light Switch	B2256	Multiple×Integrated Control Unit
2 Short Beeps	Select Lever P Position Switch	B2257	Gauge Control Module
Long Beep and 4 Short Beeps	Engine Revolution	B2258	Gauge Control Module
1 Short Beep	Engine Hood Switch	B2259	Multiple×Integrated Control Unit
3 Short Beeps	Door Lock Knob Unlock Switch	B2262	Multiple×Integrated Control Unit
Long Beep and 4 Short Beeps	Engine Low Oil Pressure Indicator	B2263	Gauge Control Module
Long Beep and 4 Short Beeps	Engine Malfunction Indicator Lamp	B2263	Gauge Control Module

to page 22

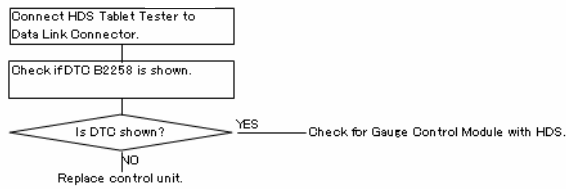
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No Start Cross-Reference Chart

Buzzer Sounds	Stop Condition (Switch Signal)	DTC	Related Vehicle Control Unit
3 Short Beeps	Door Switch	B2255	Multiplex Integrated Control Unit
4 Short Beeps	Tailgate Switch	B2256	Multiplex Integrated Control Unit
Long Beep and 2 Short Beeps	Ignition Key Switch	B2256	Multiplex Integrated Control Unit
2 Short Beeps	Brake Light Switch	B2256	Multiplex Integrated Control Unit
2 Short Beeps	Select Lever P Position Switch	B2257	Gauge Control Module
Long Beep and 4 Short Beeps	Engine Revolution	B2258	Gauge Control Module
1 Short Beep	Engine Hood Switch	B2259	Multiplex Integrated Control Unit
3 Short Beeps	Door Lock Knob Unlock Switch	B2262	Multiplex Integrated Control Unit
Long Beep and 4 Short Beeps	Engine Low Oil Pressure Indicator	B2263	Gauge Control Module
Long Beep and 4 Short Beeps	Engine Malfunction Indicator Lamp	B2263	Gauge Control Module

e can start to rotate, but does not continue to run.



9.2 Engine Does not start Detailed Troubleshooting

9.2.1 Transmitter Battery Inspection

1. Push the command button followed by the lock button on the transmitter. Check that the transmitter emits two rapid beeps.

Does the transmitter beep?

YES – Go to step 2

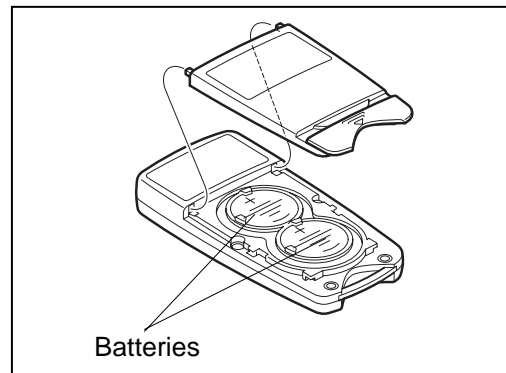
NO – Replace the batteries and recheck. ■

2. Press the command button followed by the lock button on the transmitter. Check that the engine off indicator comes on?

Does the engine off indicator come on?

YES – Go to check gauges section 9.2.7

NO – Go to Antenna inspection 9.2.2



9.2.2 Antenna Inspection

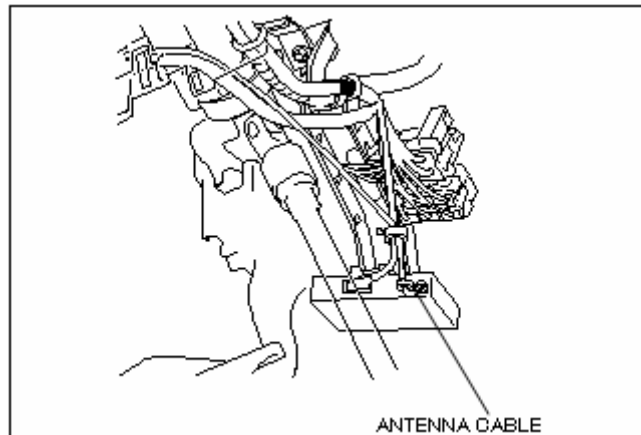
This diagnosis is only valid if the engine does **not** start when trying to start it from a reasonable distance ~10 to 50m.

1. Get very close to the vehicle.
2. Push the command button followed by the lock button on the transmitter. Check that the engine starts to rotate

Does the engine start to rotate?

YES – Repair the poor connection in the antenna cable or replace the antenna. ■

NO – Go to Transmitter Communication Inspection Section 9.2.3



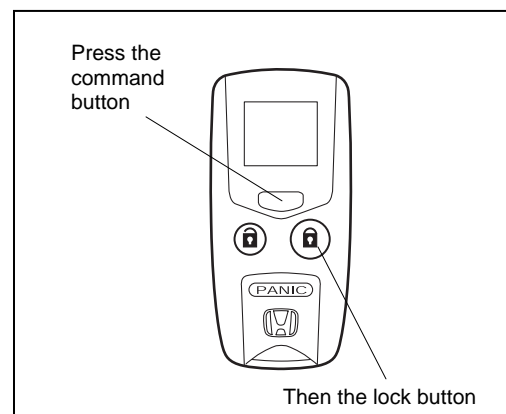
9.2.3 Transmitter Communication Inspection

1. Open the driver's door window or sit inside the car.
2. Push the command and lock buttons to start the engine.
3. Check that the buzzer in the control unit sounds.

Does the buzzer sound?

YES – Go to Section 9.2.7

NO – Go to Section 9.2.4



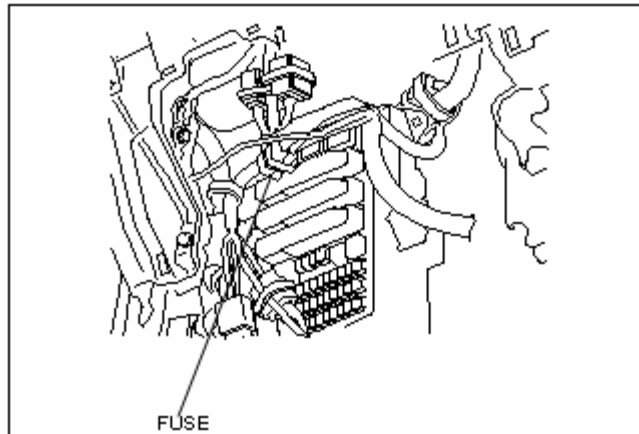
9.2.4 Power Supply Inspection

1. Disconnect the 3A fuse and check its condition.

NOTE: The 3A fuse is installed on the engine starter wire harness and located at the right side of the fuse box.

Is the fuse in good condition?

YES – Go to step 2
 NO – Replace fuse and recheck. ■



2. Disconnect the connector from the control unit
3. Check for continuity between No.14 (black) and body ground.

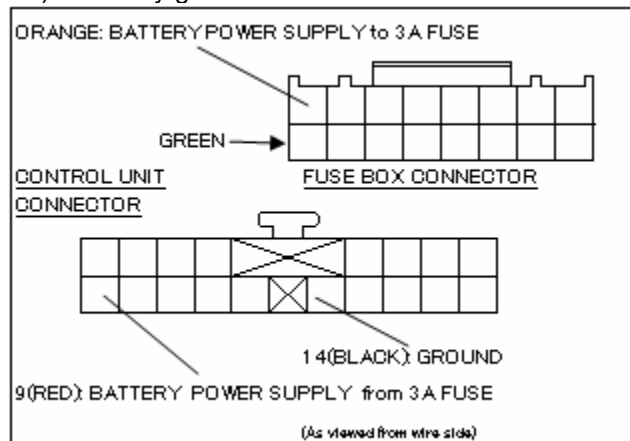
Is there continuity?

YES—Go to Step 5
 NO – Repair the open circuit

4. Measure the voltage between No. 9 (Red/White:+) and No. 14 (Black:-) terminals.

Is the voltage over 9.0V

YES -- Go to step 5
 NO – Repair the open circuit in the lead



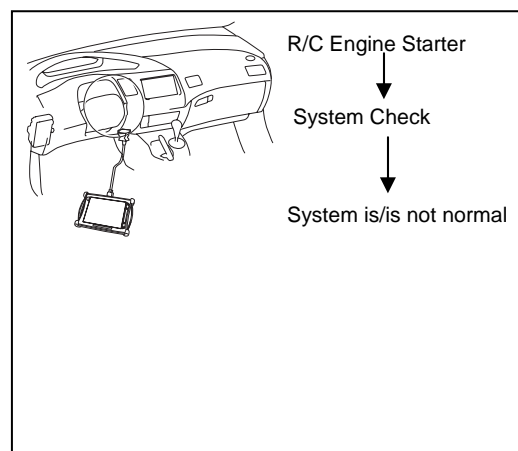
5. Reconnect the connector, and go to Registration Check. Section 9.2.5

9.2.5 Registration Check

1. Connect the tablet tester to the under dash data link connector.
2. Push the command/lock buttons on the transmitter to start the vehicle.
3. Insert the key, turn on the ignition switch and connect to the vehicle using the HDS tester.
4. Under “R/C Engine Starter”, “System Check” follow the instruction on the screen and ensure the system is normal.

Is the system normal?

YES -- Continue to check transmitter.
 NO – Register the control unit or transmitter as required and recheck. ■

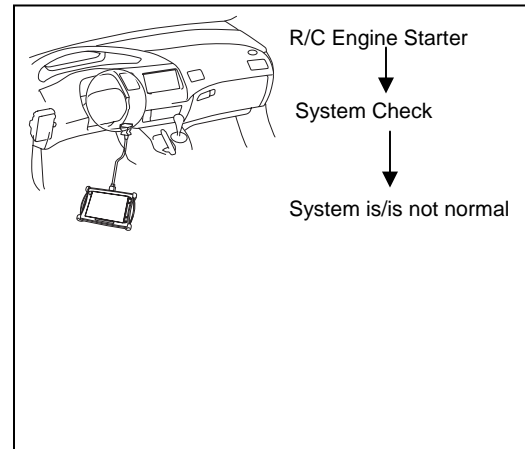


9.2.6 Transmitter Inspection

1. Prepare a known good transmitter that is **not** registered to this control unit.
2. Connect the tablet tester to the under dash data link connector.
3. Push the command/lock buttons on the transmitter to start the vehicle.
4. Insert the key, turn on the ignition switch and connect to the vehicle using the HDS tester.
5. Under "R/C Engine Starter", "System Check", follow the instructions on the screen and ensure "Transmitter is not registered" is on the table tester.

Does the tester show "transmitter is not registered"?

- YES – Replace the original transmitter. ■
NO – Replace the control unit. ■



9.2.7 Gauge Communication Inspection

1. Close and lock all doors.
2. Press the Command/Lock buttons to start the vehicle.
3. Ensure the gauges turn on.

Do the gauges turn on?

- YES – Go to DTC Inspection. Section 9.2.11
NO – Go to step 3

4. Sit in the vehicle close the door and press the command/Lock buttons to start the vehicle.

Does the buzzer sound?

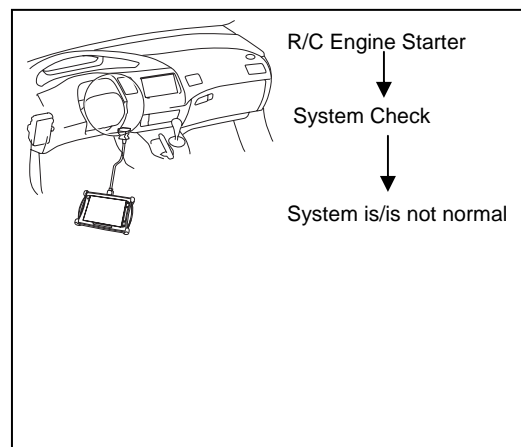
- YES – Go to control unit inspection Section 9.2.8
NO -- Go to reset control unit. Section 9.2.9

9.2.8 Control Unit Inspection

1. Open the driver's door window or sit inside the car
2. Close and lock all doors.
3. Push the command and lock buttons to start the engine
4. Listen to the buzzer. Refer to section 5.2 to determine the cause of no start.

Are starting conditions met?

- YES – Replace the control unit. ■
NO - Provide proper start conditions.
Refer to vehicle service manual to repair



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vehicle switch/wiring problem if necessary. ■

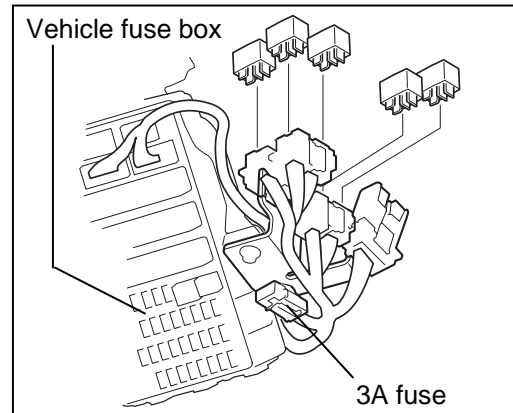
9.2.9 Reset Control Unit

1. Remove and reinsert the 3A fuse.
2. Close all doors, lock the car and start the car with the remote.

Does the engine run?

YES – Normal Condition. R/C starter will only allow 3 restarts without a 20 minute waiting period. See section 5.3 ■

NO – Go to Ignition line inspection



9.2.10 Ignition Line Inspection

1. At the control unit connector, check for continuity between no 16 (Blue) and No. 14 (Black) terminals.

Is there continuity?

YES – Go to Step 2

NO – Repair the open circuit in the lead or replace the control unit. ■

2. Connect the + probe of the voltmeter to the No. 5 terminal (orange) and the – probe to the No. 14 (Black) terminal.

3. Push the Command and Lock/Start buttons on the transmitter and check that the voltmeter shows battery voltage momentarily.

Does the voltmeter show battery voltage?

YES – Go to step 4

NO – Replace the control unit. ■

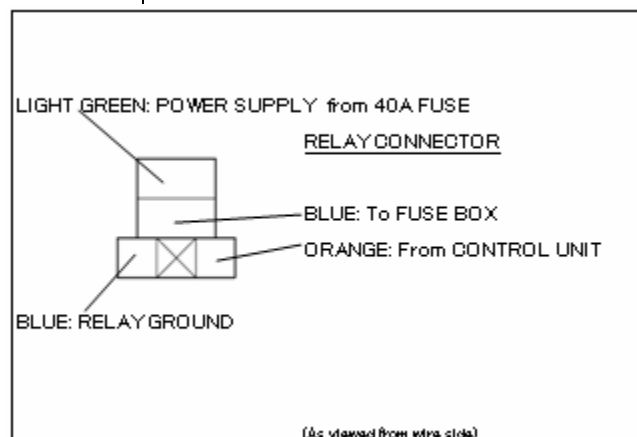
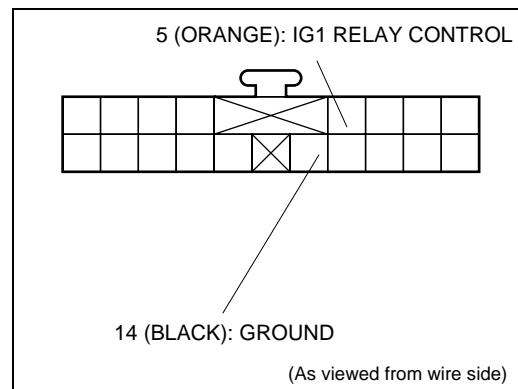
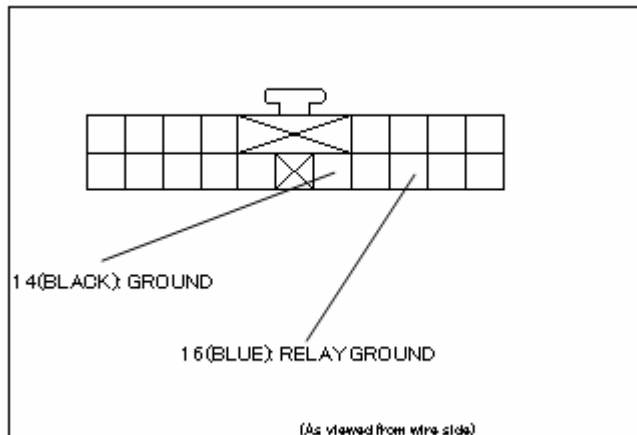
4. Disconnect the 40A fuse between the white and the light green leads

5. Check the fuse condition

Is it normal?

YES – Go to step 6

NO – Replace and Recheck. ■



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- Reinsert the 40A fuse and disconnect the connector from the IG1 relay.
- Apply 12V across the relay control lines and check for relay function (See section 23)

Does the relay work properly?

YES – Go to step 8.
NO – Replace the relay. ■

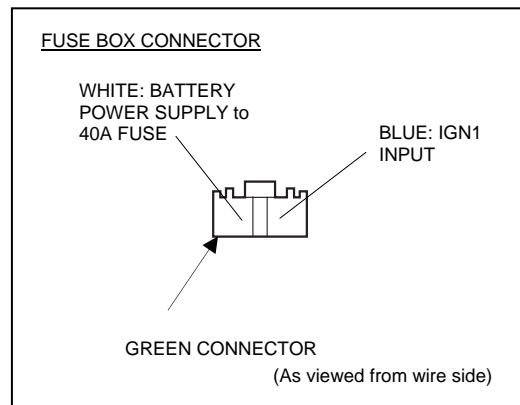
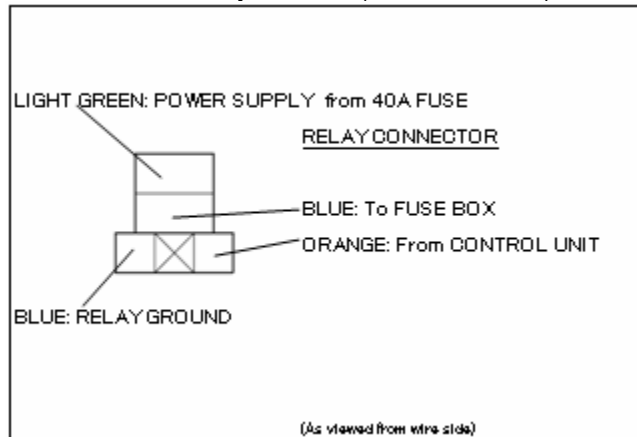
- Measure the voltage between the light green terminal and body ground.

Is there battery voltage?

YES -- There is an open circuit in
a) the orange lead between the control unit and the relay,
b) the blue lead between the relay and the fuse box, or
c) the relay ground line between the control unit and the relay.

Check and repair as necessary. ■

NO – Repair the open circuit in the light green lead. ■



9.2.11 DTC Inspection

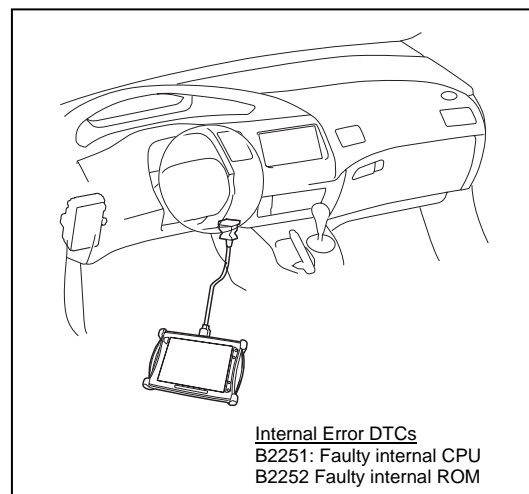
NOTE: If multiple codes are shown, always begin diagnosis on the R/C starter code with the lowest number.

- Connect the tablet tester to the under dash data link connector.
- Under Body Electrical, Remote Control Engine starter check for any DTCs

Are there any DTCs?

YES – Starting with the lowest number DTC Diagnose Refer to DTC list diagnose repair and recheck for additional DTCs after each repair

NO – Go to section 9.2.12 and inspect starter



motor output.

Remote Starter Diagnostic Trouble Code Chart.

DTC	Code Description
B2251	Faulty Internal CPU
B2252	Faulty Internal ROM
B2255	Loss of Communication between R/C Engine starter and Door Switches
B2256	Loss of Communication between R/C engine starter and Tailgate/Key/brake lamp switch
B2257	Loss of Communication between R/C Engine starter and AT P position Switch
B2258	Loss of Communication between R/C Engine starter and engine speed/vehicle speed and charge lamp circuit
B2259	Loss of Communication between hood switch and R/C Engine Starter
B2262	Loss of communication between R/C engine starter and Door lock/unlock knob switch.
B2263	Loss of communication between R/C engine starter and Engine Oil pressure switch/Malfunction indicator light.

DTC B2251

Diagnosis: Faulty Internal CPU

Repair Procedure: Replace R/C starter Control Unit. ■

DTC B2252

Diagnosis: Faulty Internal ROM

Repair Procedure: Replace R/C starter Control Unit. ■

DTC B2255

Diagnosis: Loss of Communication between R/C Engine starter and door Switches

Repair Procedure:

1. Refer to the vehicles service manual and inspect door switch for proper operation.

Are all door switches functioning properly

YES – Go to step 2

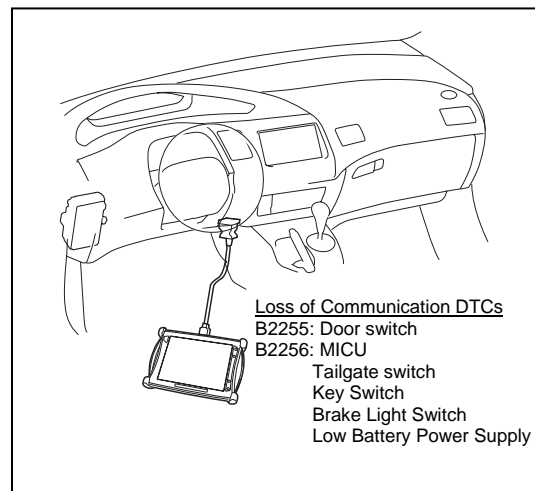
NO – Replace Door switch. ■

2. Refer to vehicle service manual and inspect the wiring from all door switches to the MICU

Is there continuity?

YES – Replace MICU. ■

NO – Repair the open or short in the wire. ■



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DTC 2256:

Diagnosis: Loss of communication between the R/C engine starter and the Key Switch, MICU, Tailgate switch or Brake light switch. It may also indicate a low battery.

Repair Procedure:

1. Test the vehicles battery using a suitable battery tester
Is the battery fully charged?
YES -- Go to step 2
NO – Recharge the battery, clear the codes and retest. ■
2. Refer to the vehicles service manual and inspect the tailgate switch for proper operation.
Is the tailgate switch functioning properly?
YES – Go to step 3
NO – Replace the tailgate switch. ■
3. Refer to vehicle service manual and inspect the wiring from the tailgate switch to the MICU
Is there an open or short in the wire?
YES – Repair the open or short in the wire. ■
NO – Continue to step 4.
4. Refer to the vehicles service manual and inspect key switch for proper operation.
Is the key switch functioning properly?
YES – Go to step 5.
NO – Replace the tailgate switch. ■
5. Refer to vehicle service manual and inspect the wiring from the key switch to the MICU
Is there an open or short in the wire?
YES – Repair the open or short in the wire. ■
NO – Continue to step 6
6. Refer to the vehicles service manual and inspect the brake light switch for proper operation.
Is the brake light switch functioning properly?
YES – Go to step 7.
NO – Replace the brake light switch. ■
7. Refer to vehicle service manual and inspect the wiring from the brake light switch to the MICU.

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Is there an open or short in the wire?

YES – Repair the open or short in the wire. ■

NO – Replace the MICU. ■

DTC B2257

Diagnosis: Loss of communication between R/C starter and AT P Position Switch

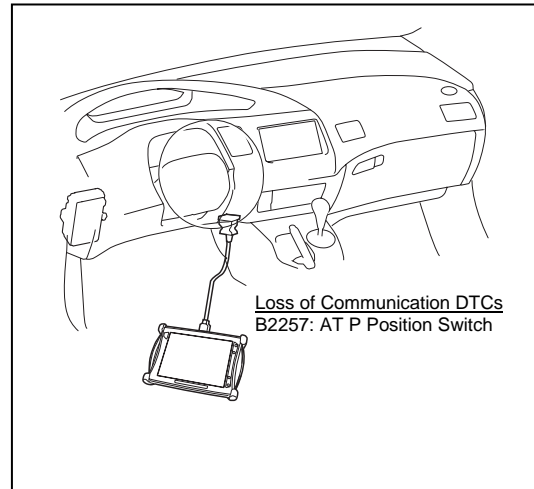
Repair procedure:

1. Using the HDS inspect for additional Body Electrical DTCs

Is DTC B1169 also present?

YES – Refer to vehicle service manual and repair DTC B1169. ■

NO – Replace the vehicle gauge cluster. ■



DTC B2258

Diagnosis: Loss of communication between the R/C starter the vehicle speed, the engine speed and the charge lamp circuit.

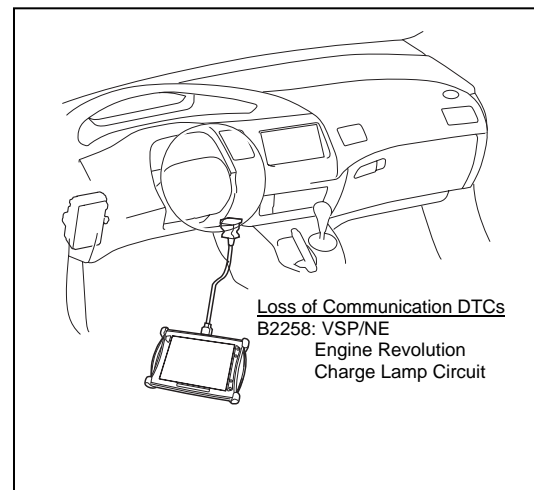
Repair procedure:

1. Using the HDS inspect for additional Body Electrical DTCs

Is DTC B1168 also present?

YES – Refer to vehicle service manual for repair of DTC B1168. ■

NO – Replace the vehicle gauge cluster. ■

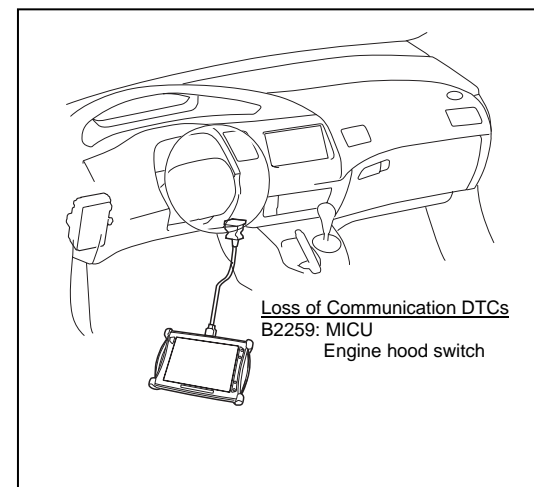


DTC B2259

Diagnosis: Loss of Communication between hood switch and R/C Engine Starter

Repair Procedure:

4. Disconnect the hood switch and inspect the hood switch for proper operation.



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On the hood switch side of the connector, with the hood open, is there continuity across the terminals?

YES – Continue to Step 2
NO – Replace hood switch and retest. ■

- Using a screw driver press down on the hood latch until it latches in the closed position.

On the hood switch side of the connector, with the hood open, is there continuity across the terminals?

YES – Replace the hood switch and retest ■
NO – Reconnect the hood switch, release the hood latch by pulling the hood release lever and continue to step 3

- Refer to service manual for hood switch input to MICU. With the hood open check for continuity between ground hood MICU hood switch input

Is there continuity?

YES – Hood switch is ok replace MICU ■
NO – Repair open or short in wire refer to vehicle service manual for additional wiring information. ■

DTC B2262:

Diagnosis: Loss of communication between R/C engine starter and Door lock/unlock knob switch.

Repair procedure:

- Refer to the vehicle's service manual and check for proper function of the door lock knob switches on all doors

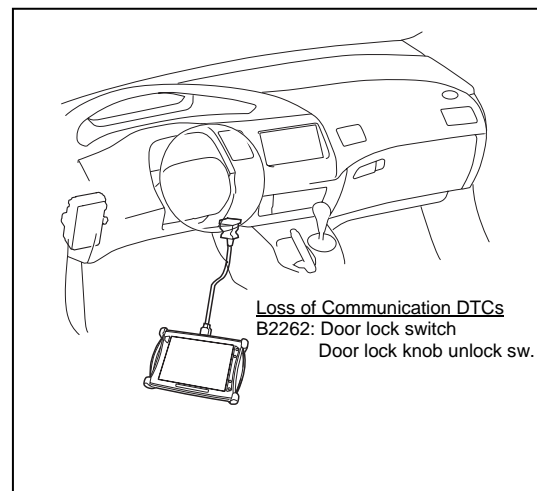
Are the switches functioning properly?

YES – Continue to step 2
NO – Replace the affected door lock actuator. ■

- Refer to the vehicle service manual and check the wiring from the door lock knob switch of the door actuators

Is there an open or short in the wire?

YES – Repair the open or short
NO – Replace the MICU. ■



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DTC B2263:

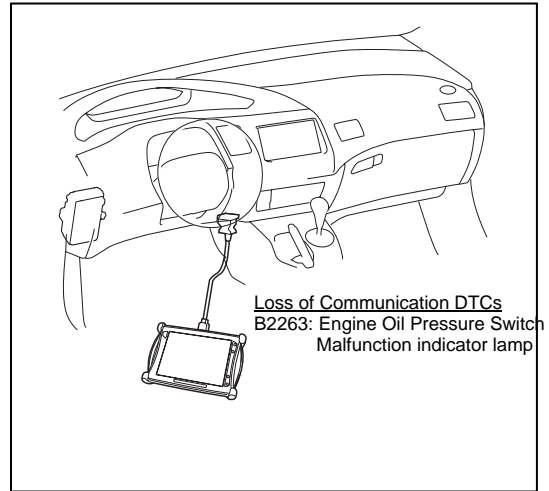
Diagnosis: Loss of communication between R/C engine starter and Engine Oil pressure switch/Malfunction indicator light.

Repair procedure:

1. Using the HDS, inspect for additional Body Electrical DTCs

Is DTC B1168 also present?

YES – Refer to vehicle service manual for repair of DTC B1168. ■
NO – Replace the vehicle gauge cluster. ■



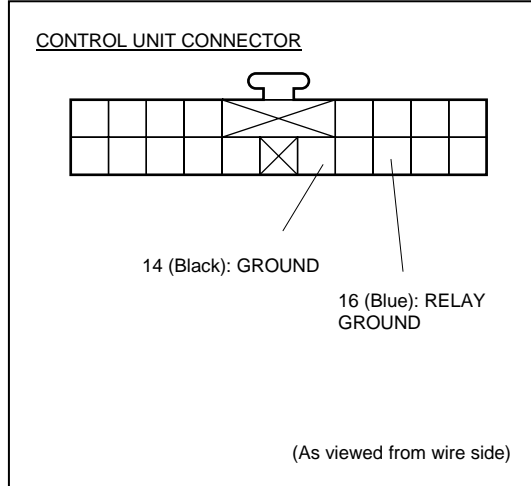
9.2.12 Starter Motor Line Inspection

1. At the control unit connector, check for continuity between No 16 (Blue) and No. 14 (Black) terminals.

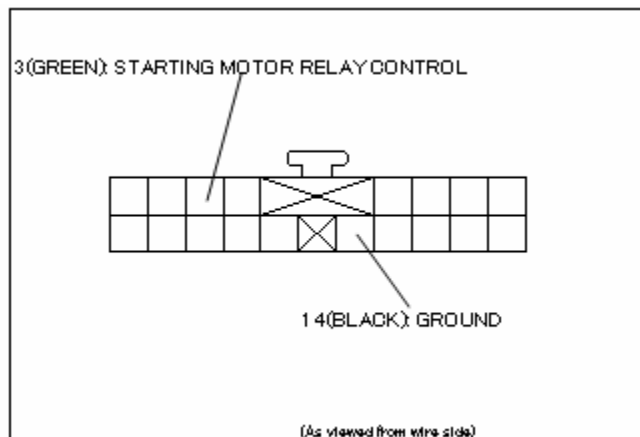
Is there continuity?

YES – Go to step 2.

NO -- Repair the open circuit in the lead or replace the control unit. ■



2. Connect the positive probe of the voltmeter to the No. 3 terminal (Green) and the negative probe to the No. 14 terminal (Black).
3. Push the Command and Lock/Start buttons on the transmitter and check that the voltmeter shows battery voltage momentarily.



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Does the voltmeter show battery voltage?

YES – Go to step 4.

NO – Replace the control unit. ■

4. Disconnect the 30A fuse between the white and the pink leads.

5. Check the fuse condition.

Is the fuse good?

YES -- Go to step 6.

NO – Replace and recheck. ■

6. Reinsert the 30A fuse.

7. Disconnect the connector from the starter motor relay.

8. Apply 12V to the relay control lines and check for relay function

Does the relay work properly?

YES – Go to step 9

NO – Replace the relay. ■

9. Measure the voltage between the pink terminal and body ground

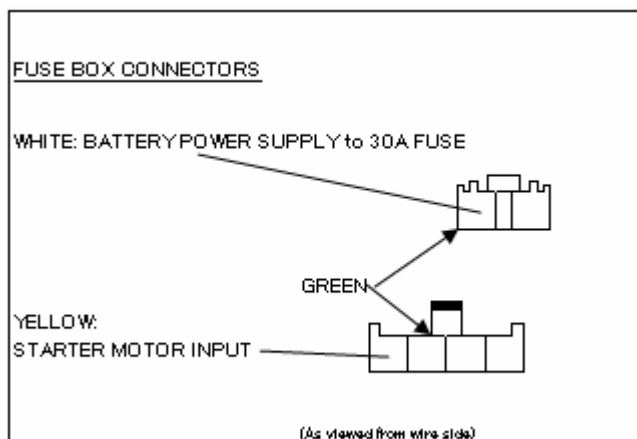
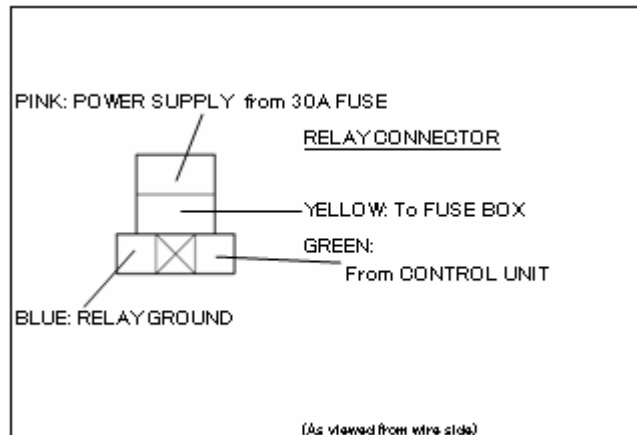
Is there battery voltage?

YES – There is an open circuit in

- the green lead between the control unit and the relay,
- the yellow lead between the relay and the fuse box, or
- the relay ground line between the control unit and the relay.

Check and repair as necessary. ■

NO – Repair the open circuit in the pink lead. ■



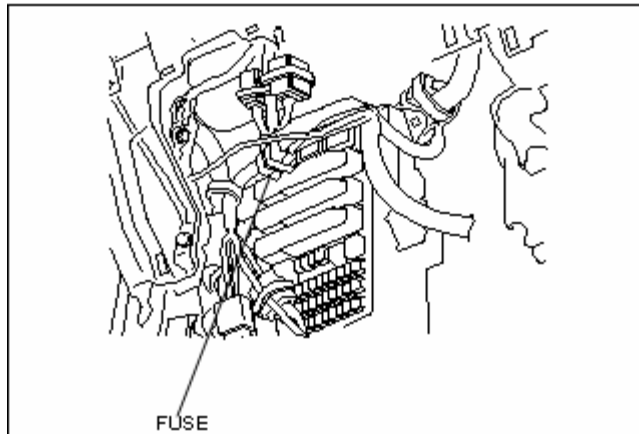
9.2.13 Check IG1 Input/wire Harness

1. Disconnect the fuse and check its condition.
NOTE: The two 3A fuses are installed on the engine starter wire harness. The fuse in the power supply line is inserted between yellow and gray leads.

Is the fuse in good condition?

YES – Go to step 2.

NO – Replace and recheck. ■

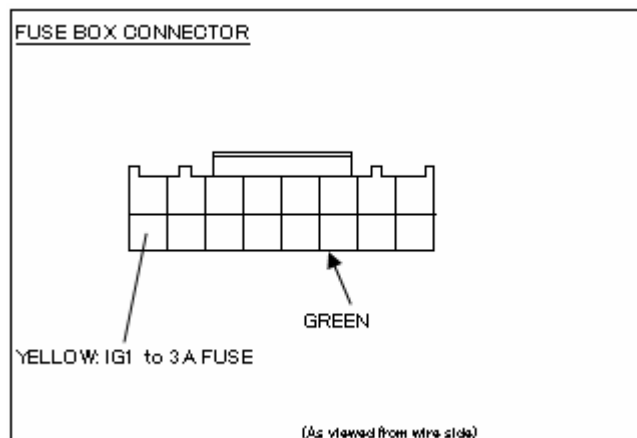
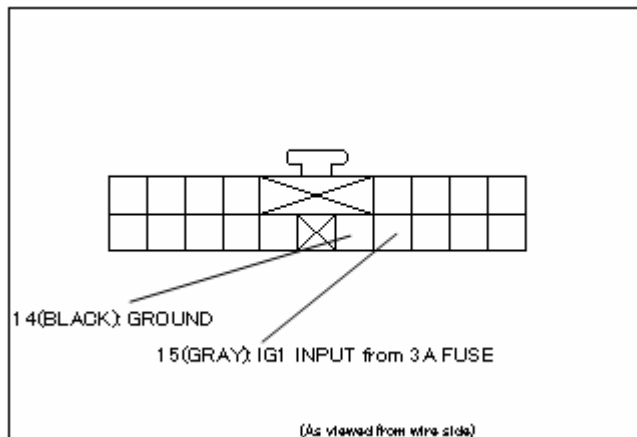


2. With the gauges turned on, measure the voltage between No. 15 (Gray: +) and No.14 (Black: -) terminals, with the engine hood closed.

Is there battery voltage?

YES – Replace the control unit. ■

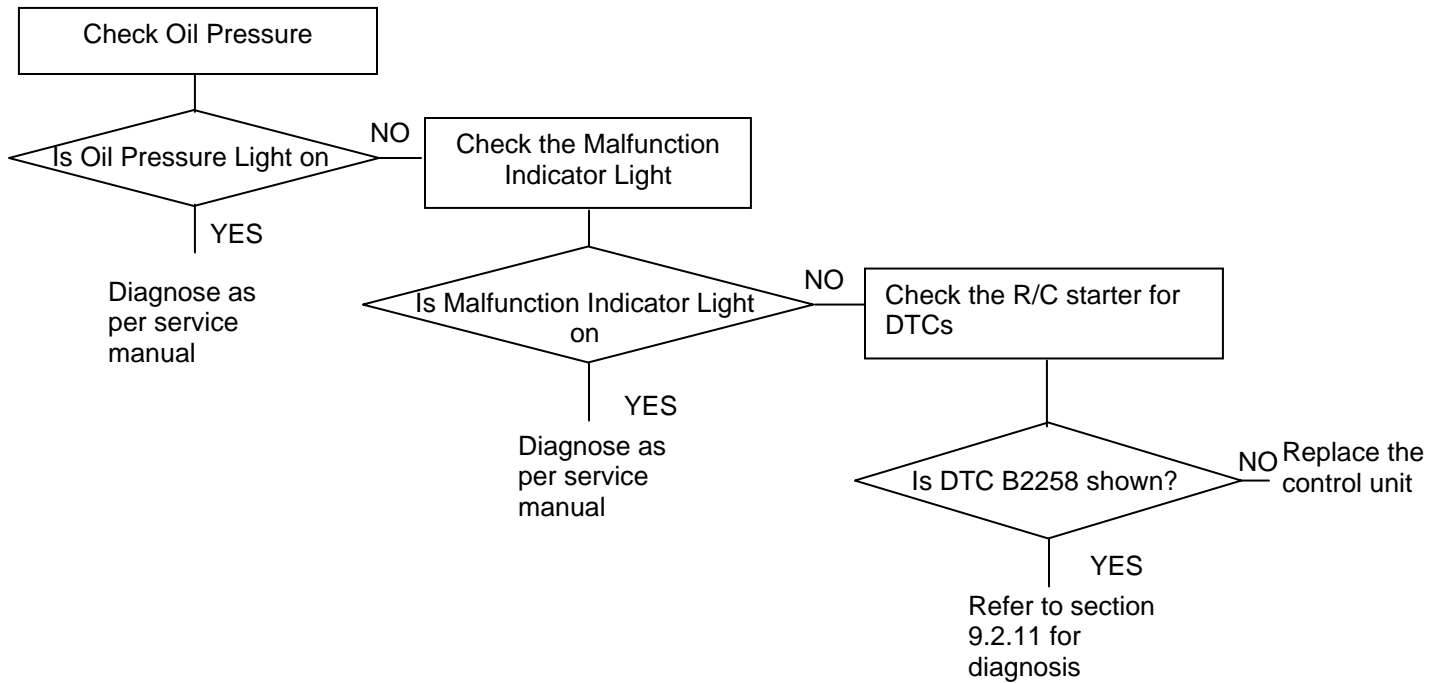
NO – Repair the open circuit in the lead between the immobilizer and the control unit. ■



10.0 Engine Starts but Does Not Continue to Run Troubleshooting

The following diagnosis can be used when the remote starter can start the engine but the engine will shut off shortly after.

10.1 Engine Starts but Does Not Continue to Run Flow chart



10.2 Engine Does not Continue to Run Detailed Trouble Shooting:

1. Start the engine with the key.

Does the check engine light or low oil pressure light come on and stay on?

YES -- Check DTCs and refer to service manual for repair. ■

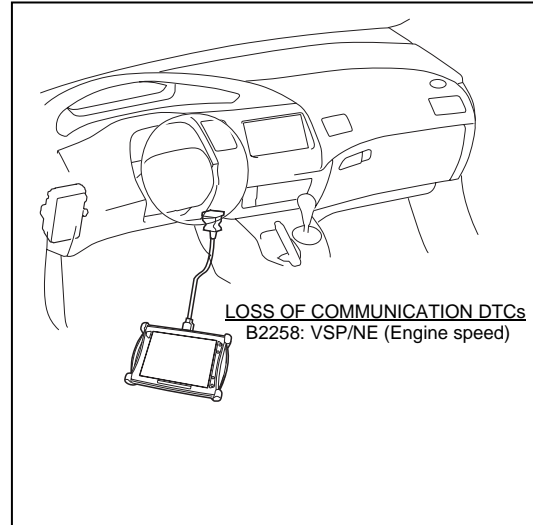
NO – Go to step 2.

2. Connect the tablet tester to the under dash data link connector.
3. Under Body Electrical, Remote Control Engine Starter, check for DTCs.

Is DTC B2258 shown?

YES – See section 9.2.11 for DTC trouble shooting.

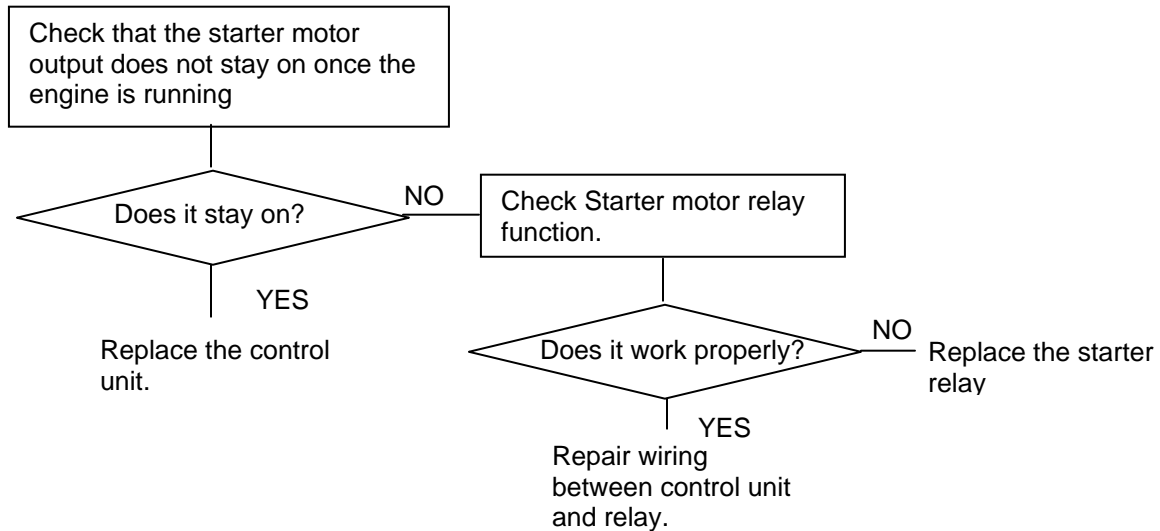
NO – Replace the control Unit. ■



11.0 Starter Motor Will not Turn off After Engine has started.

The following diagnosis can be used when the engine can be started with the remote however, the starter will continue to run after the engine has started.

11.1 Starter Motor Does not Turn Off when Engine is Running Flow chart.

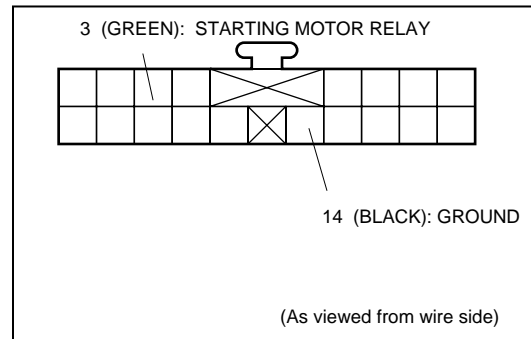


11.2 Starter Motor Does not Turn Off -- Detailed trouble shooting.

- With the engine running, measure the voltage between No. 3 (Green: +) and No.14 (Black: -) terminals
NOTE: To prevent starter damage measure quickly.

Is there battery voltage while the engine is running?

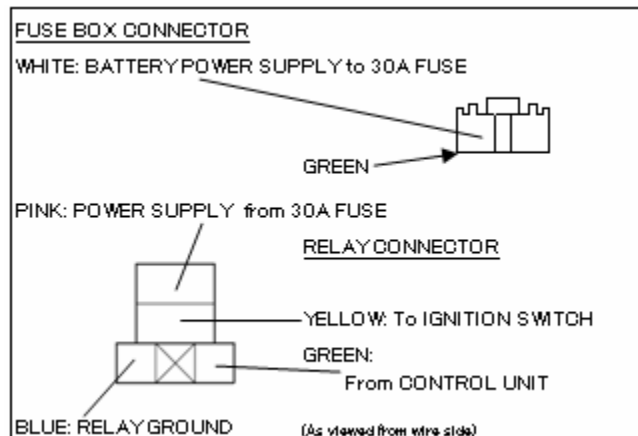
- YES – Replace the control Unit. ■
- NO – Go to Step 2.



- Disconnect the connector from the starter motor relay.
- Check the relay for function.

Does the relay function properly?

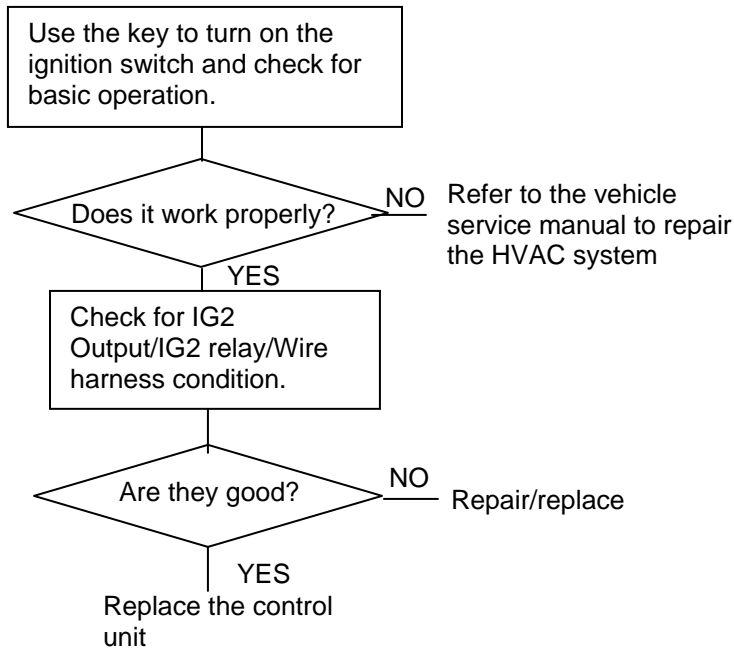
- YES – Repair the wiring between the control unit and the relay. ■
- NO – Replace the relay. ■



12.0 Heater/air conditioner does not operate while running

The following diagnosis can be used when trying to troubleshoot why the vehicle's HVAC system does not work during a remote start.

12.1 Heater/air conditioner troubleshooting flow chart.



12.2 Heater/Air Conditioner Detailed Troubleshooting.

1. Turn the ignition switch on and make sure that the heater and air conditioner work properly.
Does it work properly?

YES – Go to step 2.

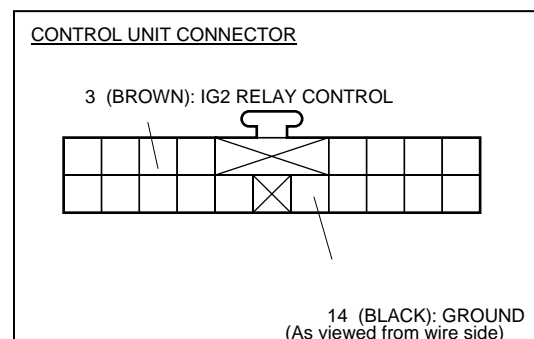
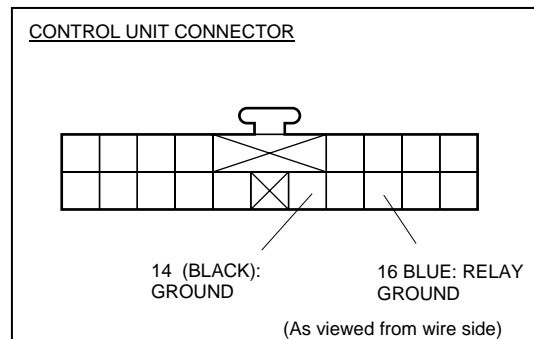
NO – Refer to the Vehicle Service Manual to repair. ■

2. At the control unit connector, check for continuity between the No. 16 (Blue) and the NO. 14 (Black) terminals.
Is there continuity?

YES – Go to step 3.

NO – Repair the open circuit in the lead or replace the control unit. ■

3. Connect the + probe of the voltmeter to the No.4 terminal (Brown) and the – probe to the No. 14 (Black) terminal.



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4. Push the Command and Lock/Start button on the transmitter and check that the voltmeter shows battery voltage.

Does the voltmeter show battery voltage?

YES – Go to step 5.

NO – Replace the control unit. ■

5. Disconnect the connector from the IG2 relay.
6. Check for relay function.

Does the relay work properly?

YES – Go to step 7.

NO – Replace the relay. ■

7. Measure the voltage between the pink terminal (+) and body ground

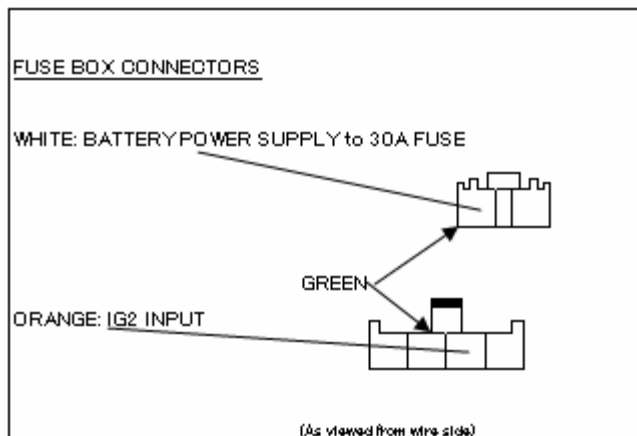
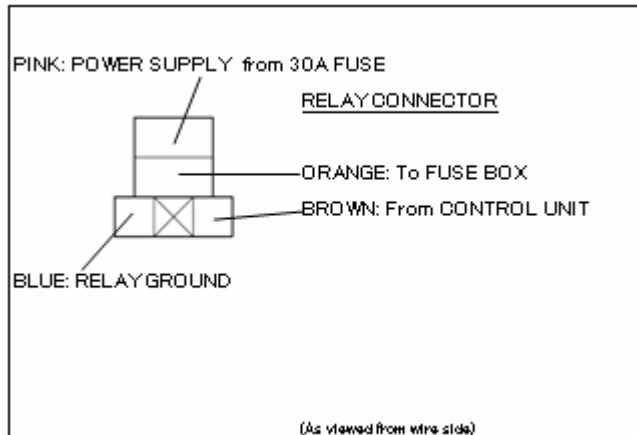
Is there battery voltage?

YES – There is an open circuit in

- a) the brown lead between the control unit and the relay
- b) the orange lead between the relay and the fuse box.
- c) the relay ground line between the control unit and the relay.

Check and repair as necessary. ■

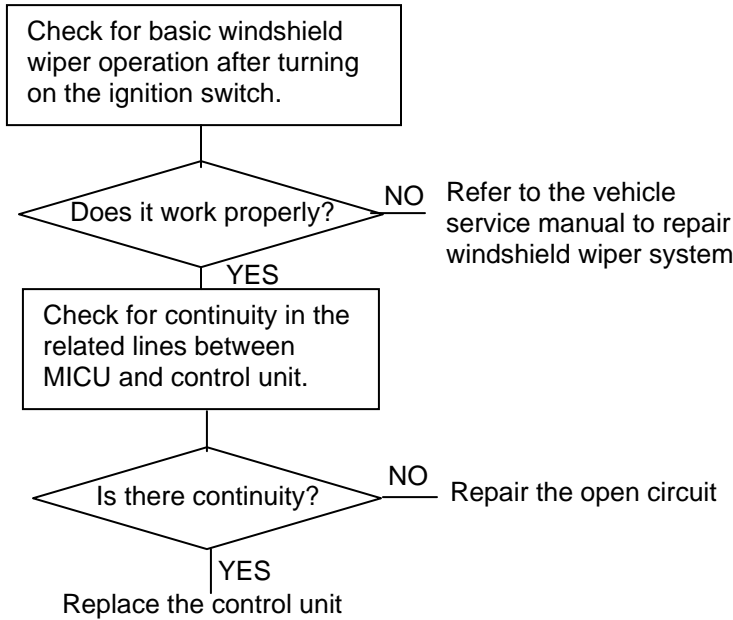
NO – Repair the open circuit in the white/red lead. ■



13.0 Windshield Wiper Cutoff Does not Function

To prevent damage to the wiper motors if the windshield wipers are frozen to the windshield and the wipers were left on, the remote starter automatically cuts power to the wiper motors during a remote start. The following diagnosis can be used if these feature is not working properly.

13.1 Windshield Wiper Cutoff Diagnostic Flowchart



13.2 Windshield Wiper Cutoff Detailed Troubleshooting

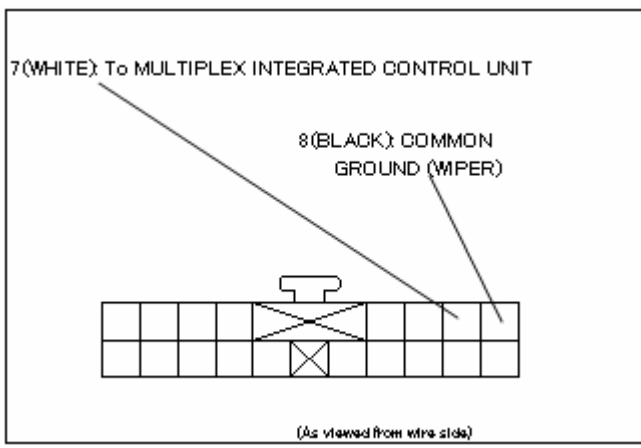
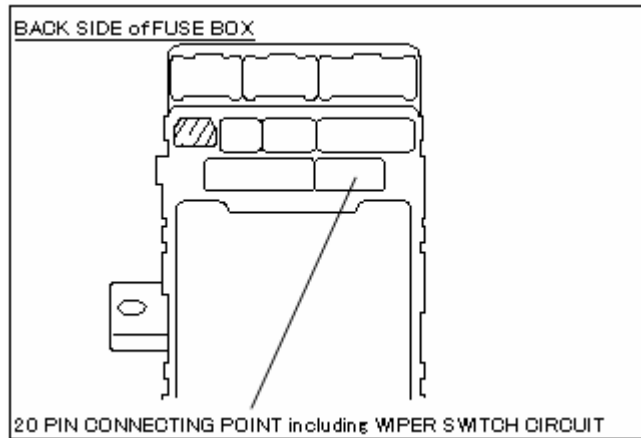
1. Disconnect the remote starter branch harness from the MICU and the vehicle wiring harness.
2. Connect the vehicle's original connectors back into the MICU. Make sure the wipers work properly.

Do the wipers work properly?

YES – go to step 3.

NO – Refer to the vehicle service manual for repair. ■

3. Disconnect the connector from the control unit.
4. Check for continuity in the black/red lead between the engine starter control unit and body ground.



Is there continuity?

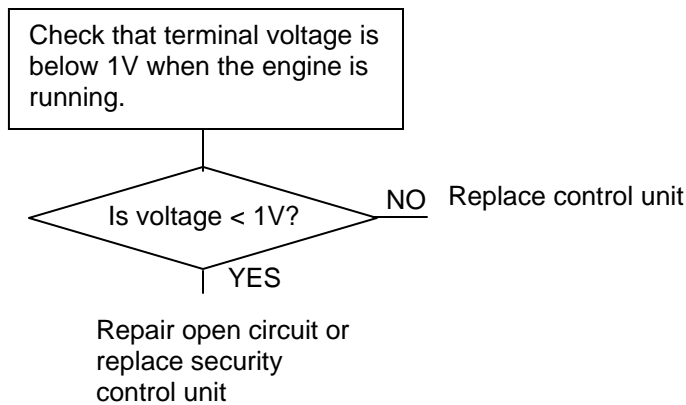
- YES – repair the short circuit. ■
- NO – Replace the control unit. ■

14.0 Alarm Sounds when Engine is Started using Remote

Use the following procedure to diagnose a malfunctioning security system which causes the alarm to sound when the vehicle is started remotely.

NOTE: This only applies to a vehicle equipped with an optional security system. For vehicles with a factory installed security system, the engine starter signal is sent via the B-CAN line and the following diagnosis does not apply. Refer to the vehicle's service manual to troubleshoot factory installed security system.

14.1 Alarm Sounds Troubleshooting Flow chart



14.2 Alarm Sounds Detailed Troubleshooting

1. Measure the voltage between the No. 1 (Yellow/Black: +) and No.14 (Black:-) terminals with the engine running.

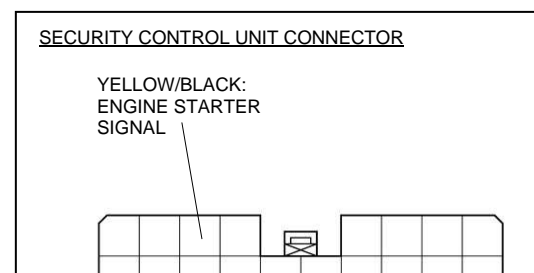
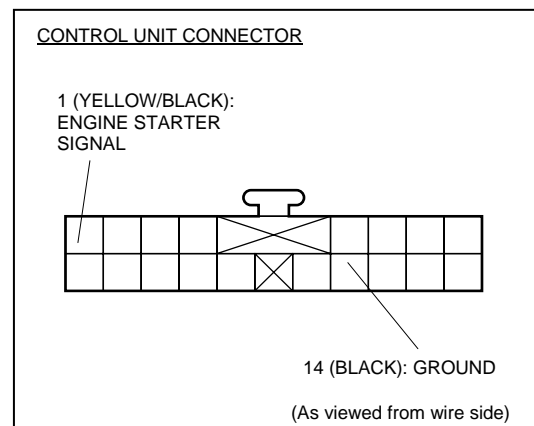
Does the voltmeter show below 1.0V?

- YES – Go to step – 2
- NO – Replace the control unit. ■

2. Stop the engine.
3. Disconnect the connectors from the security control unit and the engine starter control unit.
4. Check for continuity in the yellow/black lead.

Is there continuity?

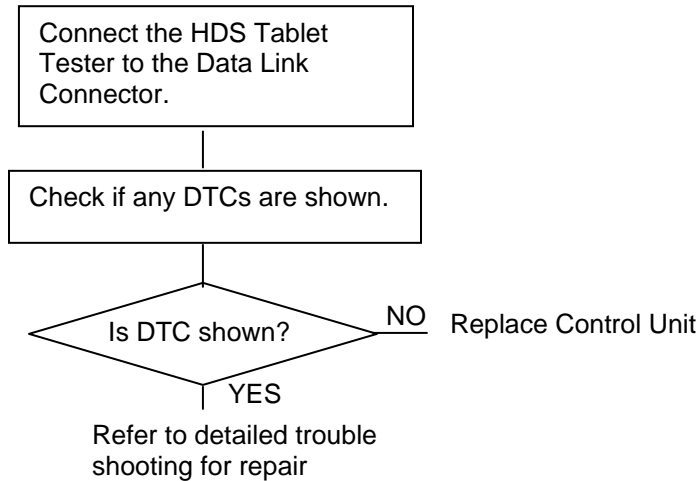
- YES – Replace the security control unit. ■
- NO – Repair the open circuit. ■



15.0 Engine Does Not stop When a Stop Condition Has been met

When the engine is started with the remote controlled starter it is designed to stop under a number of circumstances. See section 5.2. If the engine does not stop when one of the stop conditions is met the following diagnostic information can be used.

15.1 Engine Does Not stop troubleshooting flow chart



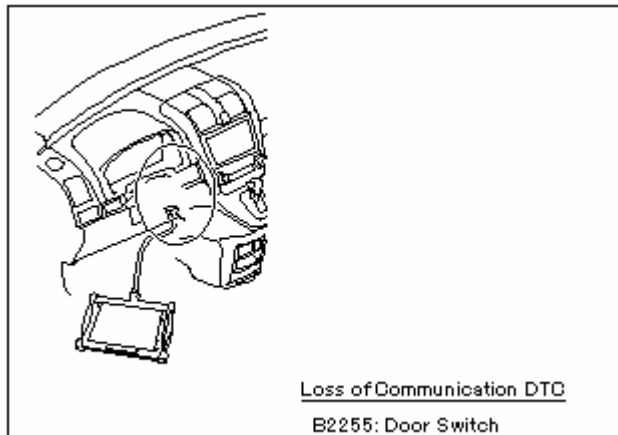
Stop Condition (Switch Signal)	DTC	Related Vehicle Control Unit
Door Switch	B2255	Multiplex Integrated Control Unit
Tailgate Switch	B2256	Multiplex Integrated Control Unit
Ignition Key Switch	B2256	Multiplex Integrated Control Unit
Brake Light Switch	B2256	Multiplex Integrated Control Unit
Select Lever P Position Switch	B2257	Gauge Control Module
Engine Revolution	B2258	Gauge Control Module
Engine Hood Switch	B2259	Multiplex Integrated Control Unit
Door Lock Knob Unlock Switch	B2262	Multiplex Integrated Control Unit
Engine Low Oil Pressure Indicator	B2263	Gauge Control Module
Engine Malfunction Indicator Lamp	B2263	Gauge Control Module

15.2 Engine Does not Stop Detailed Troubleshooting

15.2.1 Engine does not stop when the door is opened

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2255 is shown

Is B2255 shown?



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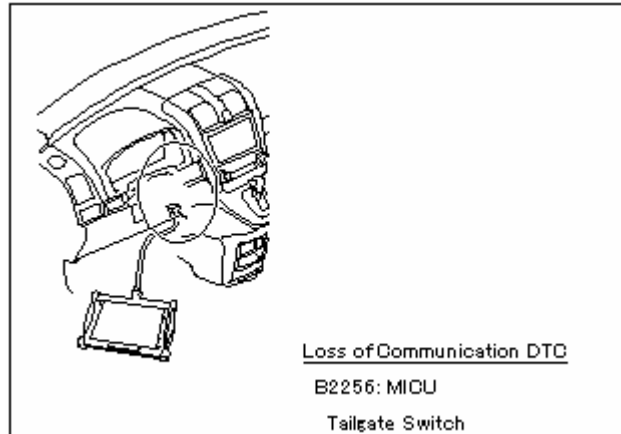
- YES – See section 9.2.11 for DTC trouble shooting.
NO – Replace the control unit. ■

15.2.2 Engine does not stop when the tailgate is opened

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2256 is shown.

Is B2256 shown?

- YES – See section 9.2.11 for DTC trouble shooting.
NO – Replace the control unit. ■

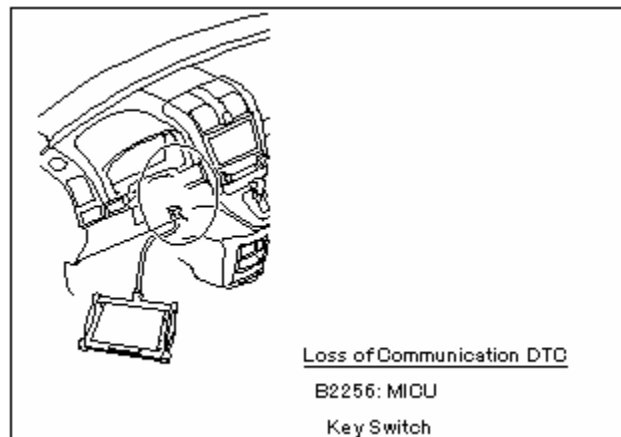


15.2.3 Engine does not stop when the key is inserted in the ignition

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2256 is shown.

Is B2256 shown?

- YES – See section 9.2.11 for DTC trouble shooting.
NO – Replace the control unit. ■

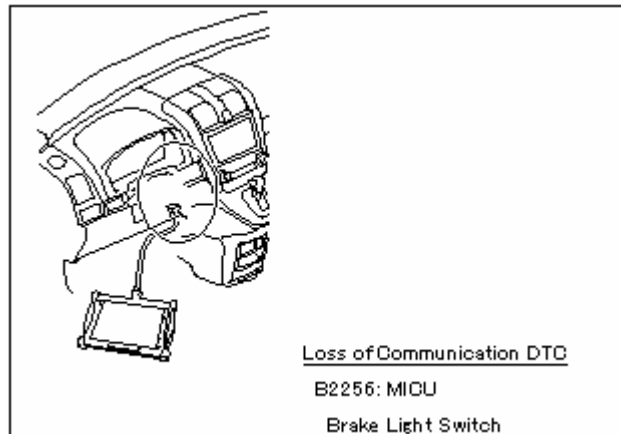


15.2.4 Engine does not stop when the brake pedal is pressed

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2256 is shown.

Is B2256 shown?

- YES – See section 9.2.11 for DTC trouble shooting.
NO – Replace the control unit. ■



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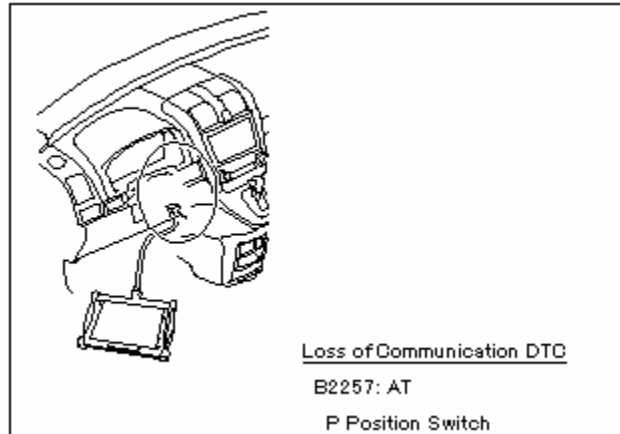
15.2.5 Engine does not stop when the shifter is moved out of park

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2257 is shown.

Is B2257 shown?

YES – See section 9.2.11 for DTC trouble shooting.

NO – Replace the control unit. ■



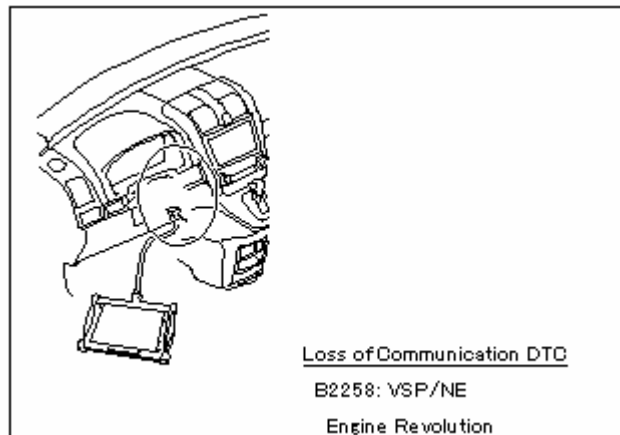
15.2.6 Engine does not stop when the engine speed exceeds 4000 rpm

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2258 is shown.

Is B2258 shown?

YES – See section 9.2.11 for DTC trouble shooting.

NO – Replace the control unit. ■



15.2.7 Engine does not stop when the hood is opened.

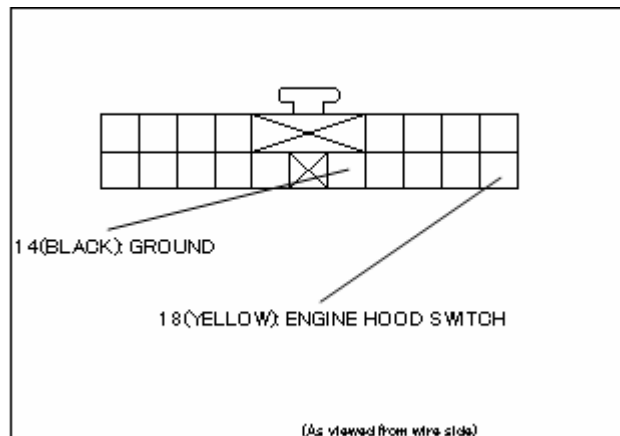
(On cars without Factory installed Security System.)

1. Disconnect the connector from the control unit.
2. Check that there is no continuity between No. 18 (Yellow) and No. 14 (Black) terminals with the engine hood closed.

Is there continuity?

YES – Repair the short circuit to ground in the yellow lead or replace the engine hood switch. ■

NO – Replace the control unit.



15.2.8 Engine does not stop when the hood is opened

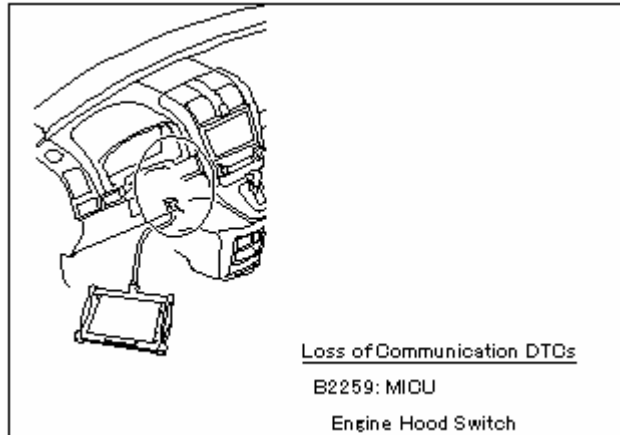
(On cars with Factory installed security system)

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2259 is shown.

Is B2259 shown?

YES – See section 9.2.11 for DTC trouble shooting.

NO – Replace the control unit. ■



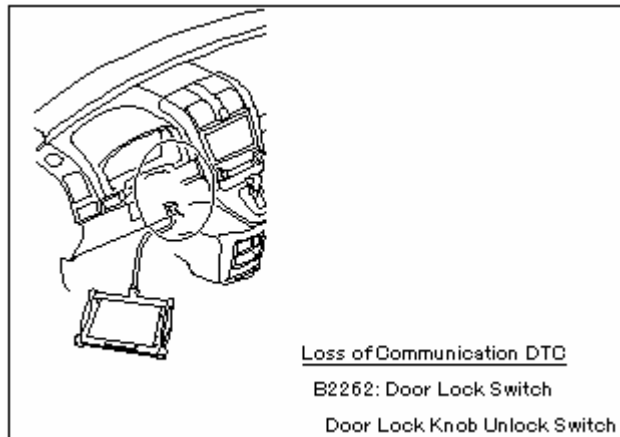
15.2.9 Engine does not stop when the driver's door lock is released.

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2262 is shown.

Is B2262 shown?

YES – See section 9.2.11 for DTC trouble shooting.

NO – Replace the control unit. ■



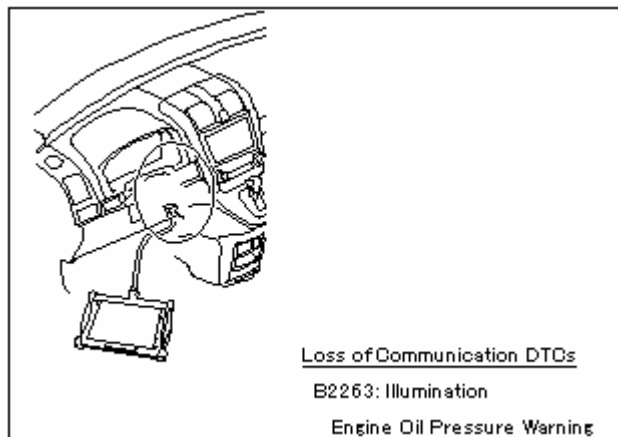
15.2.10 Engine does not stop when the low oil pressure light is on.

1. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
2. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2263 is shown.

Is B2263 shown?

YES – See section 9.2.11 for DTC trouble shooting.

NO – Replace the control unit. ■



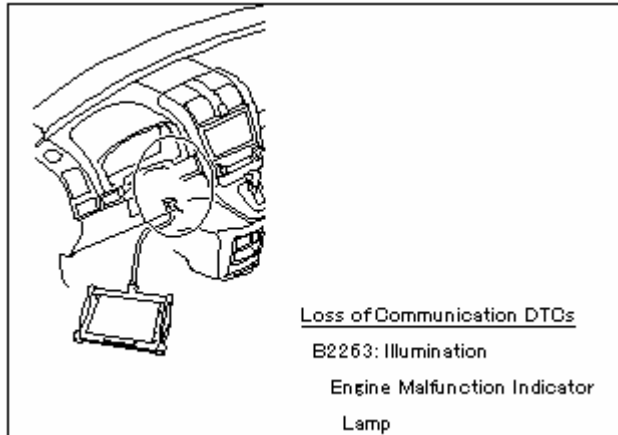
15.2.11 Engine does not stop when the MIL light is on.

3. Connect the tablet tester to the under dash data link connector. Then turn on the ignition switch to communicate with the HDS.
4. Under Honda System, Body Electrical, Remote Control Engine Starter, check if B2263 is shown.

Is B2263 shown?

YES – See section 9.2.11 for DTC trouble shooting.

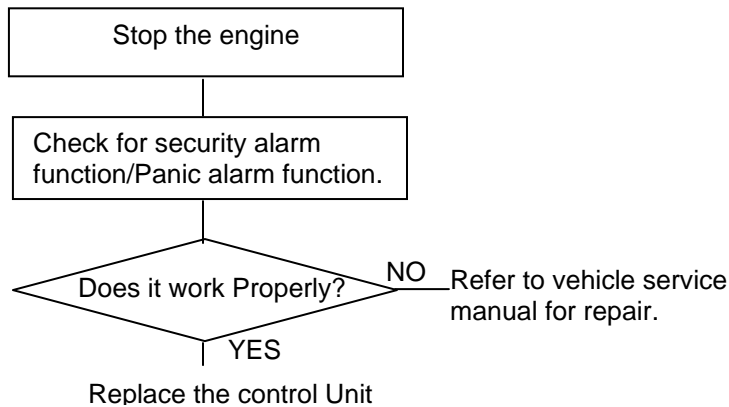
NO – Replace the control unit. ■



16.0 Engine Does not Stop When the Alarm Sounds

For security purposes when the alarm sounds the remote engine starter is designed to stop. If the alarm doesn't stop the following diagnostic can be used to repair the vehicle.

16.1 Engine Does not Stop When the Alarm Sounds Troubleshooting Flow Chart



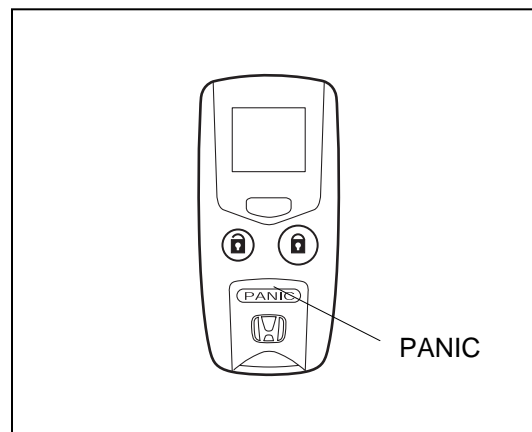
16.2 Engine Does not Stop When the Alarm sounds Detailed Troubleshooting

16.2.1 Engine does not stop when the PANIC signal is received

1. Stop the engine by another switch signal.
2. With the vehicle in range of the transmitter, press and hold the PANIC button for 5 seconds

Does the Alarm Sound?

YES – Replace the control unit. ■



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NO – Refer to the vehicle shop manual for repair. ■

16.2.2 Vehicle does not stop when the Security Alarm is received.

(Only vehicles equipped with security system)

1. Stop the engine by another switch signal.
2. Open the window and close/lock all doors.
3. Wait 30 seconds for the security system to arm.
4. Reach into the vehicle through the open window and unlock the door by hand
5. Open the door.

Does the alarm sound?

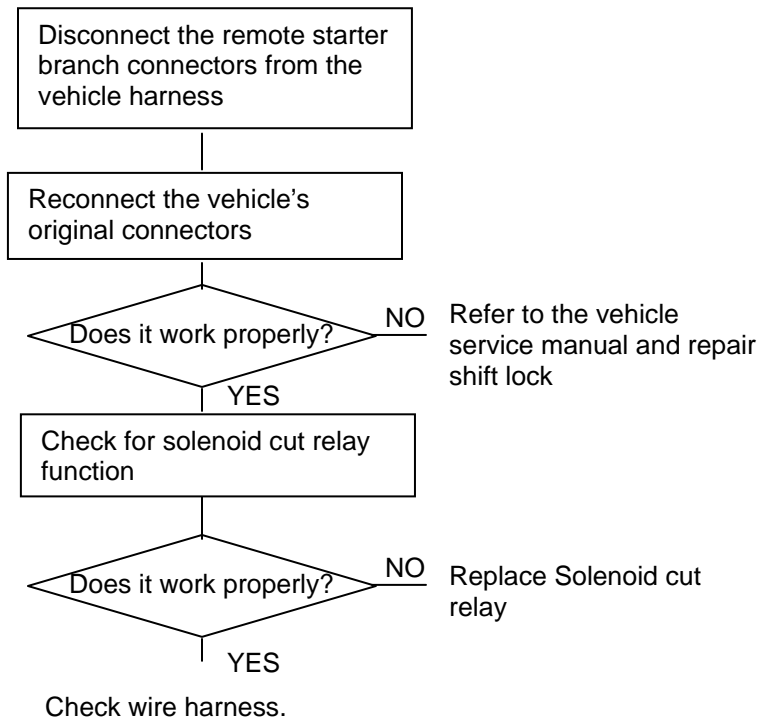
YES – Replace the control unit. ■

NO – Refer to the vehicle service manual for repair. ■

18.0 Shift Lock Solenoid Operates After the Vehicle is started with the remote

To prevent the car from ever moving once started with the remote starter, The gear shift solenoid locks the gear shift in the Park position. If the shift lever can be moved when the engine is running after a remote start, there is a problem with the system. The following diagnosis is recommended.

18.1 Shift Lock Solenoid Troubleshooting Flow Chart



18.2 Shift Lock Solenoid Detailed Troubleshooting

1. Disconnect the blue 23 pin remote starter connectors which go between the original vehicle connectors.
2. Connect the vehicle's original connectors back together and make sure the shift lock solenoid works properly.

Does it work properly?

YES – Go to step 3

NO – Refer to the vehicle service manual to repair the shift lock solenoid.

3. Disconnect the connector from the solenoid cut relay.
4. Apply 12V across the relay control lines and check for relay function. See section 23

Does the relay function properly?

YES – Go to step 5.

NO – Replace the relay.

5. Measure the voltage between the Red lead and Body Ground.

Is there battery voltage?

YES – Go to step 6.

NO Repair the open circuit in the Red lead between the 3A fuse and relay. ■

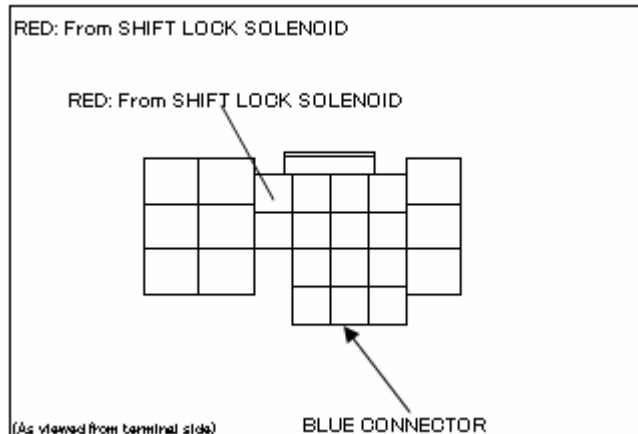
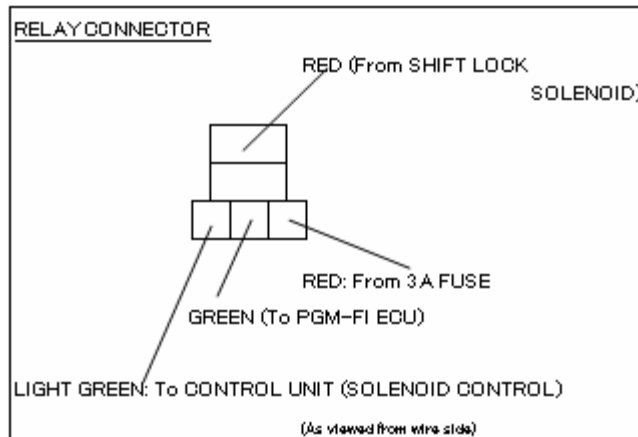
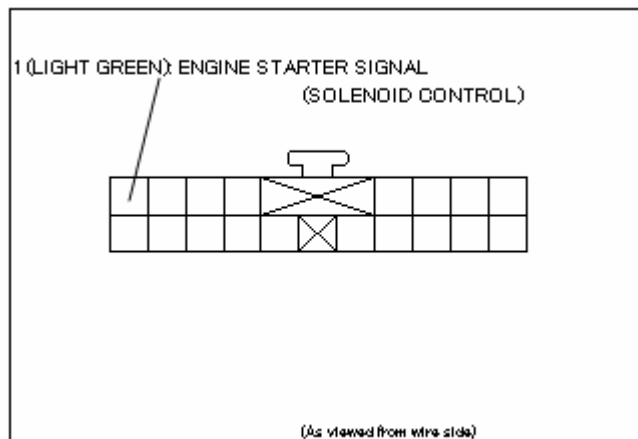
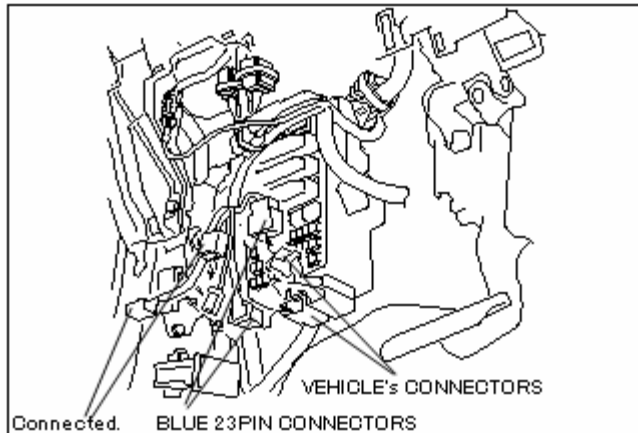
6. Disconnect the connector from the control unit.

7. Check for continuity in the Light Green lead between the relay and the control unit.

Is there continuity?

YES – Go to step 9.

NO – Repair the open circuit. ■



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8. Check for continuity in the Red solenoid lead and the body ground.

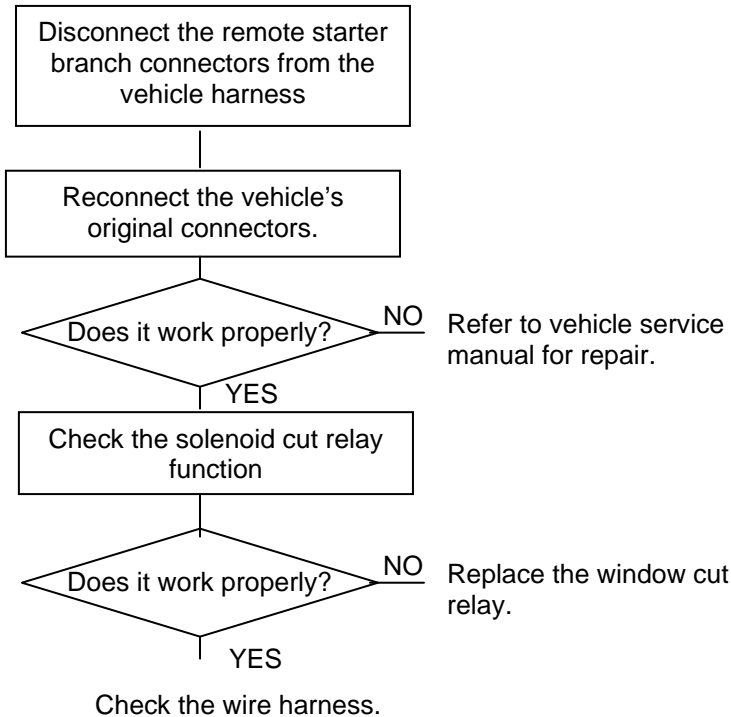
Is there continuity?

- YES – Repair the short circuit. ■
- NO – Replace the control unit. ■

19.0 Power Window Operates After the Vehicle is Started with the Remote

To prevent access into the vehicle, the power windows are deactivate when the vehicle is started with the remote engine starter. If the power windows operate when the vehicle is started remotely the following diagnosis can be used to repair the vehicle.

19.1 Power Window Cut Troubleshooting Flowchart



19.2 Power Window Cut Detailed Troubleshooting

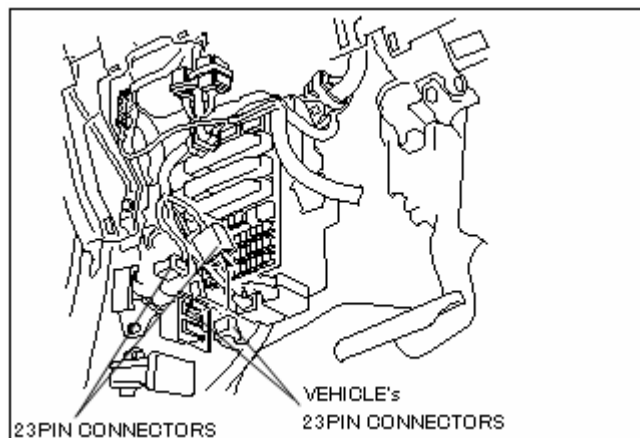
1. Disconnect the 23 pin remote starter connectors which go between the original vehicle connectors.
2. Connect the vehicle's original connectors back in place and make sure the power windows function properly.

Does they work properly?

YES – Go to step 3

NO – Refer to the vehicle service manual to repair the power windows

3. Disconnect the connector from the power window cut relay.
4. Apply 12v across the relay control lines and check for relay function. See section 23



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Does the relay function properly?

YES – Go to step 5.

NO – Replace the relay. ■

5. Measure the voltage between the Red lead and Body Ground.

Is there battery voltage?

YES – Go to step 6.

NO Repair the open circuit in the Red lead between the 3A fuse and the relay. ■

6. Disconnect the connector from the control unit.

7. Check for continuity in the Purple lead between the relay and the control unit.

Is there continuity?

YES – Go to step 9.

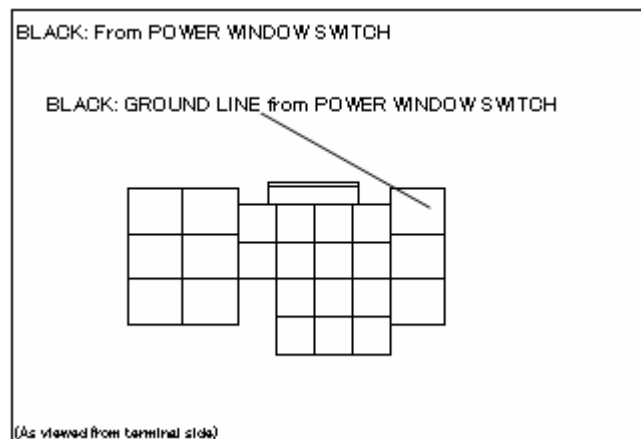
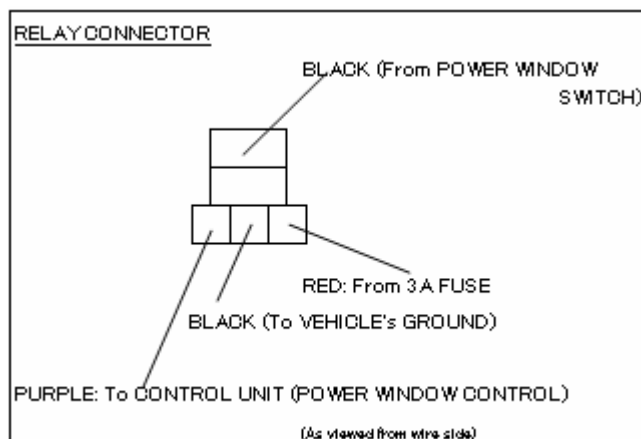
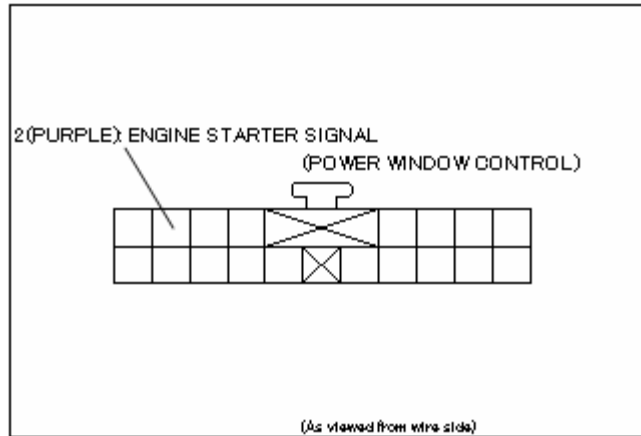
NO – Repair the open circuit. ■

8. Check for continuity in the Black switch lead between the relay and body ground.

Is there continuity?

YES – Repair the short circuit. ■

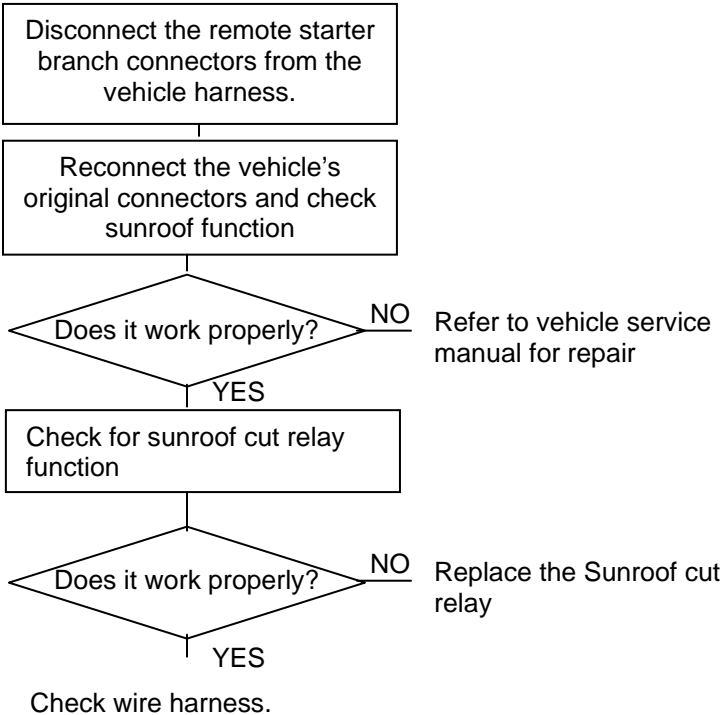
NO – Replace the control unit. ■



20.0 Sunroof Operates After vehicle is started with the Remote

To prevent access into the vehicle the sunroof is deactivated when the vehicle is started with the remote engine starter. If the sunroof operates when the vehicle is started remotely the following diagnosis can be used to repair the vehicle.

20.1 Sunroof Cut Troubleshooting Flowchart



20.2 Sunroof Cut Detailed Troubleshooting

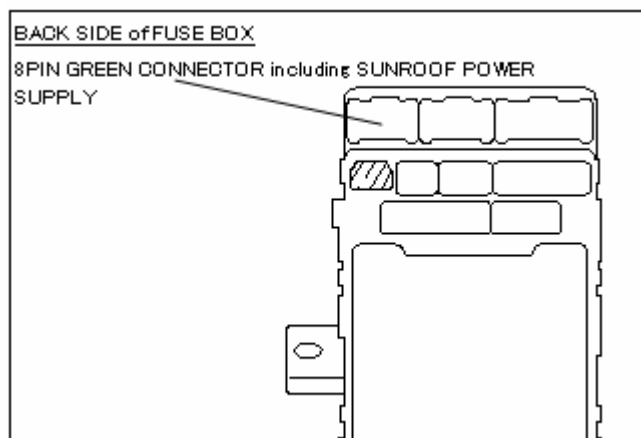
1. Disconnect the 8 pin remote starter connectors which branch between the original vehicle connectors and the fuse box.
2. Connect the vehicles original connectors back to the fuse box and make sure the sunroof works properly.

Does it work properly?

YES – Go to step 3.

NO – Refer to the vehicle service manual to repair the sunroof

3. Disconnect the connector from the power sunroof cut relay. ■



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4. Apply 12V across the relay control lines and check for relay function.
See section 23

Does the relay function properly?

YES – Go to step 5.

NO – Replace the relay. ■

5. Measure the voltage between the Red lead and Body Ground.

Is there battery voltage?

YES – Go to step 6

NO Repair the open circuit in the Red lead between the 3A fuse and relay. ■

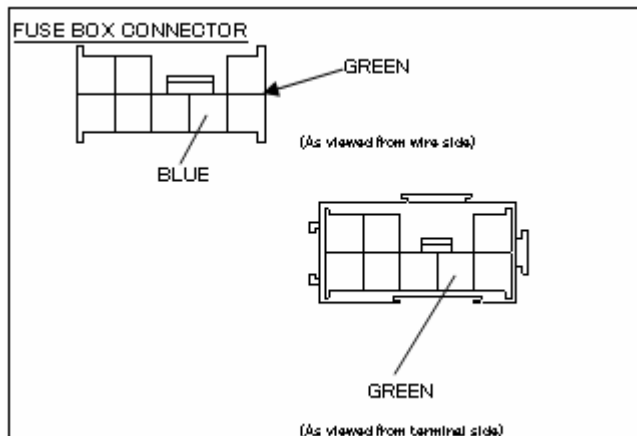
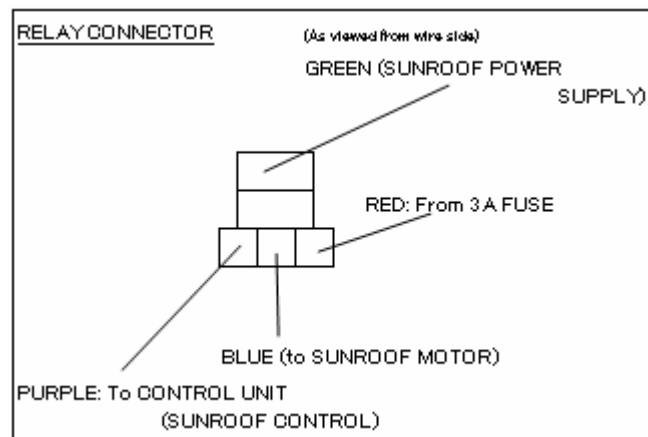
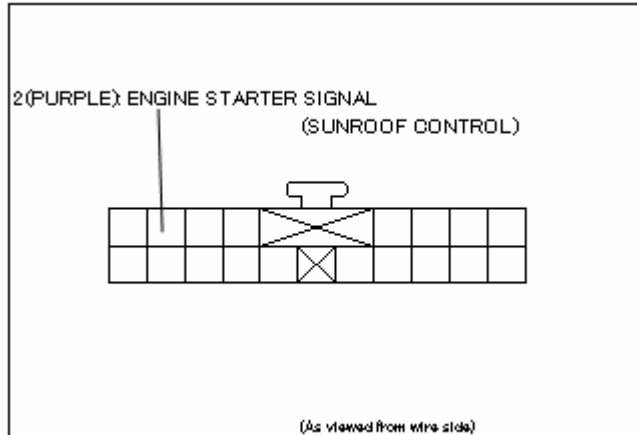
6. Disconnect the connector from the control unit.

7. Check for continuity in the Purple lead between the relay and the control unit.

Is there continuity?

YES – Replace the control unit. ■

NO – Repair the open circuit. ■



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21.0 Remote Starter Keyless Entry system

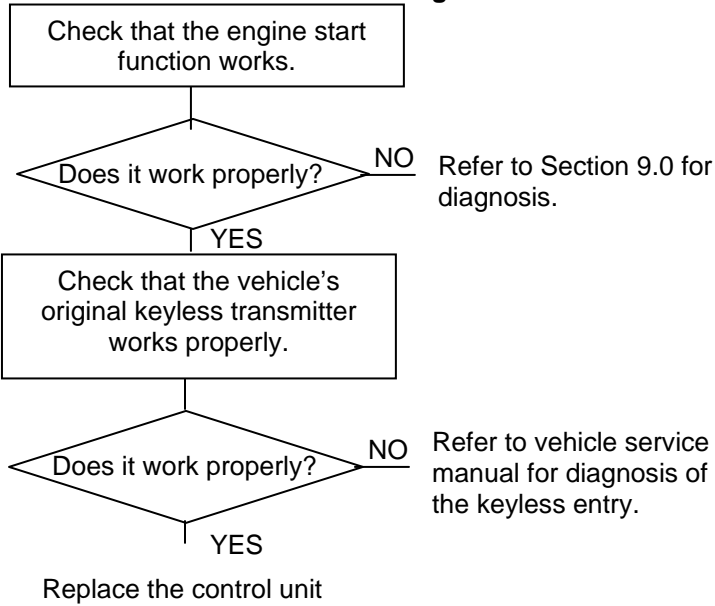
A keyless entry transmitter is integrated into the remote starter. The following diagnosis can be used if the keyless transmitter for the remote starter is not working correctly. The vehicle's regular integrated keyless transmitter should be unaffected by the remote controlled engine starter, so the following diagnosis does not apply to the vehicle's original key.

21.1 Keyless Entry Symptom and Possible Cause Chart

Symptom	Item to be checked										
	Transmitter	Control Unit	3A Fuse (Orange-Red)	3A Fuse (Yellow-Gray)	40A Fuse (White-Light Green)	30A Fuse (White-Pink)	IG1 Relay	Starting Motor Relay	IG2 Relay	Wire Harness	Refer to section
Door locks do not activate when pressing the Lock/Start button.	x	x									21.2
Door locks do not release when pressing the Unlock/Stop button.	x	x									21.3
Relocking function does not operate.		x									21.4
PANIC function does not operate.	x	x									21.5
PANIC alarm does not stop after pressing the PANIC button.	x										21.6
PANIC alarm stops when pressing the PANIC button but does not stop when pressing any other button.	x	x									21.7

21.2 Door Locks do not Activate When Pressing the Lock/Start Button

21.2.1 Door lock trouble shooting flow chart



21.2.2 Door lock detailed troubleshooting

1. Check that that the remote starting function operates.

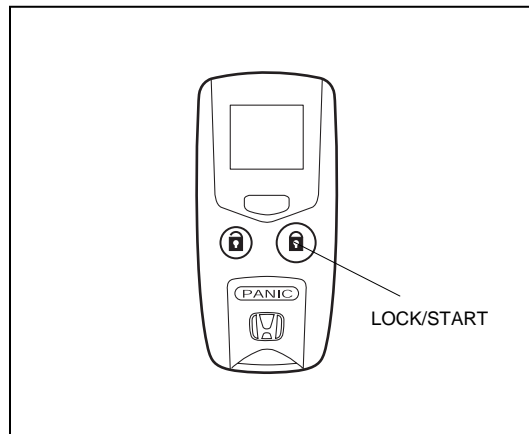
Does it work properly?

YES – Go to step 2

2. NO – Refer to section 9.0 for diagnosis
Check that the vehicles original keyless remote will lock the doors

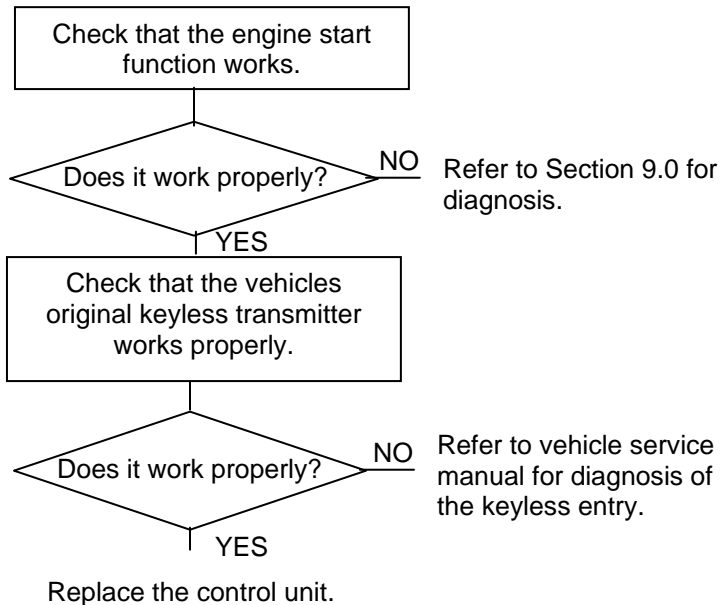
Do the doors lock with the original integrated keyless transmitter?

YES – Replace the remote starter control unit. ■
NO – Refer to vehicle service manual for diagnosis.



21.3 Door Locks do not Release When Pressing the Unlock button.

21.3.1 Door unlock troubleshooting flow chart



21.3.2 Door unlock detailed troubleshooting

1. Check that that the remote starting function operates.

Does it work properly?

YES – Go to step 2.

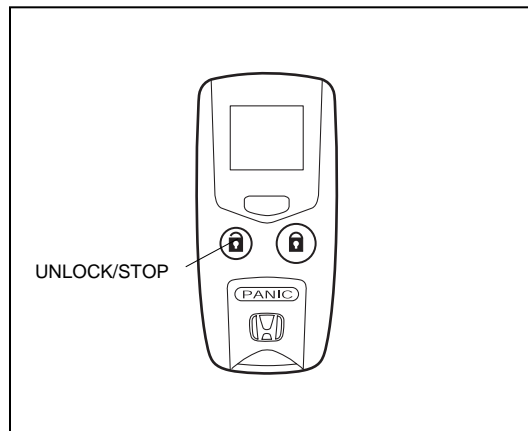
NO – Refer to section 9.0 for diagnosis.

2. Check that the vehicles original keyless remote will unlock the doors.

Do the doors unlock with the original integrated keyless transmitter?

YES – Replace the remote starter control unit. ■

NO – Refer to vehicle service manual for diagnosis.



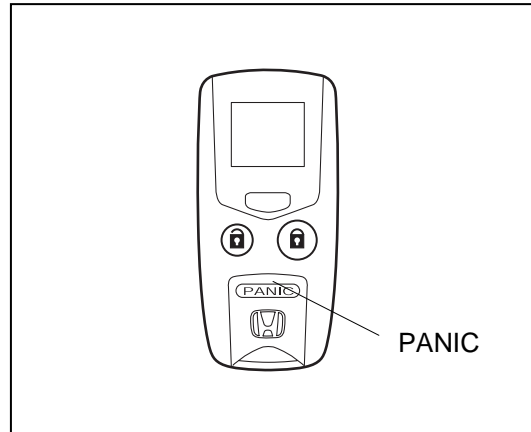
21.5 Panic Function does not Operate

1. Check the Panic function on the vehicles original key fob.

Does the alarm Sound?

YES – Replace the R/C starter transmitter.

NO – Replace the control unit.



21.6 Panic Function does not turn off

1. Turn on the alarm with the PANIC button of the R/C starter remote.
2. Try to turn off the alarm with the PANIC button of the R/C starter remote

Does the alarm turn off?

YES – Vehicle is OK at this time.

NO – Replace transmitter. ■

21.7 Panic Alarm Only Stops When Pressing PANIC Button.

The Panic alarm should turn off when any button is pressed after the alarm sounds.

NOTE:

- If the security system sets off the alarm, it can only be turned off using the unlock stop button and not the PANIC button.
- If the PANIC button is used to activate the alarm, any button will turn off the alarm.
- If the PANIC button is used to activate the alarm and while sounding, the security system also activates the alarm, the security system takes precedence and only the Unlock/Stop button will deactivate the alarm.

1. Pull out the vehicle security fuse to stop the alarm.
2. Reinsert the fuse.
3. Check the button function by pressing any other button.

Does it work properly?

YES—Replace the control unit. ■

NO – Refer to beginning of section 21 to repair

22.0 Engine Starter Registration

Note: The following procedure will guide you through the registration of the remote control engine starter. These instructions are also provided on the R/C engine starter installation instructions and the HDS screens when performing the registration.

A Pocket Tester can be used for registration but due to limited screen space will not provide proper instruction. In step 9 the Pocket Tester does not instruct the installer to push the command and unlock buttons that are necessary to complete the registration. As such, **it is recommended that you use the HDS NOT the Pocket tester to ensure a proper registration.**

1. Acquire the PCM Code from E-BIZ.
2. Connect the tablet tester to the under dash data link connector, and turn the ignition switch on.
3. Start the Honda Diagnostic System, and click the car icon
4. Input the VIN and odometer information then click the check button.
5. Select the "Honda System", and click the check buttons.
6. Select the "R/C Engine Starter" and click the check button.
7. Select the "REGISTER REMOTE CONTROL ENGINE STARTER UNT" and click the check button.
8. Check that "Register Remote Control Engine Starter Unit" is shown and click the check button.
9. Check that "The immobilizer of the vehicle is normal." Is shown, push the command followed by the Unlock/Stop buttons on the transmitter, then click the check button.
10. Input the PCM code, then click the check button.
NOTE: To ensure the security, the PCM code (password) is changed everyday, so it is impossible to register the remote controlled engine starter if the date you received the PCM code is different then the date you are registering the control unit. The tablet date also needs to be correct for the PCM code to function properly
11. Check that "The registration of the Remote Control Engine Starter Unit has been completed" is shown, then click the check button.
12. Ensure that "Check that the engine can be started by the transmitter." is shown, then click the check button.
13. Turn the ignition switch off, and pull out the key from the ignition switch.
14. Close all windows and doors and ensure the tailgate and hood are closed.
15. Make sure that the engine starter operates properly.

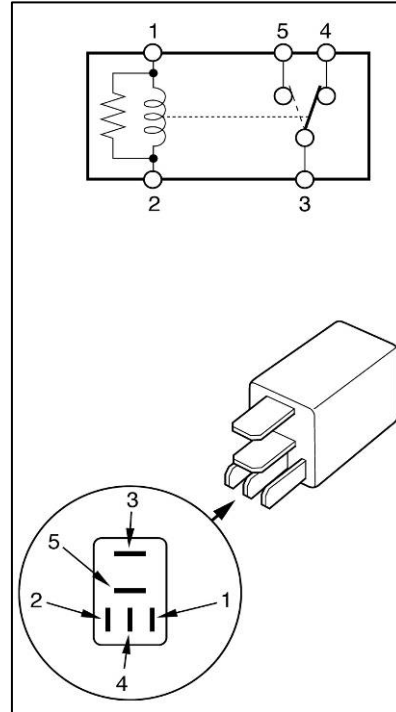
22.1 Transmitter Registration

1. Connect the tablet tester to the under dash data link connector and turn the ignition switch on.
2. Start the Honda Diagnostic System, and click the car icon
3. Input the VIN and odometer information and click the check button.
4. Select the "Honda System", and click the check buttons.
5. Select the "R/C Engine Starter" and click the check button.
6. Prepare the new transmitter to register.
7. Select the "REGISTER TRANSMITTER", and click the check button.
8. Within 7 seconds, press the Command button followed by the unlock/stop buttons until the buzzer in the transmitter sounds.
9. Check that "Registration of transmitter has been completed" is shown
10. Turn the ignition switch off, and pull out the key from the ignition switch.
11. Make sure that the engine starter operates properly.

23.0 Relay inspection:

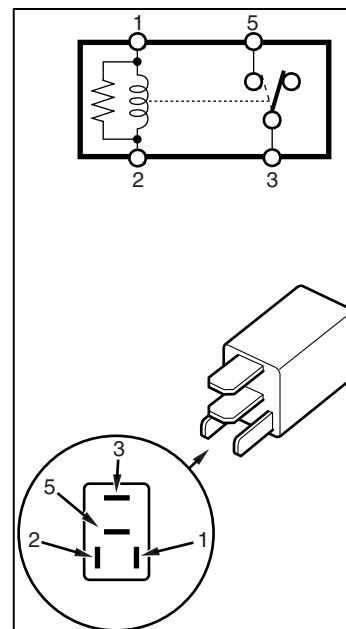
23.1 Solenoid Cut Relay/Power window Cut Relay/Sunroof Cut Relay

1. Check that there is continuity between terminal 3 and 4
2. With the battery power supply connected between 1 and 2 terminals, check that there is continuity between #3 and #5 terminals



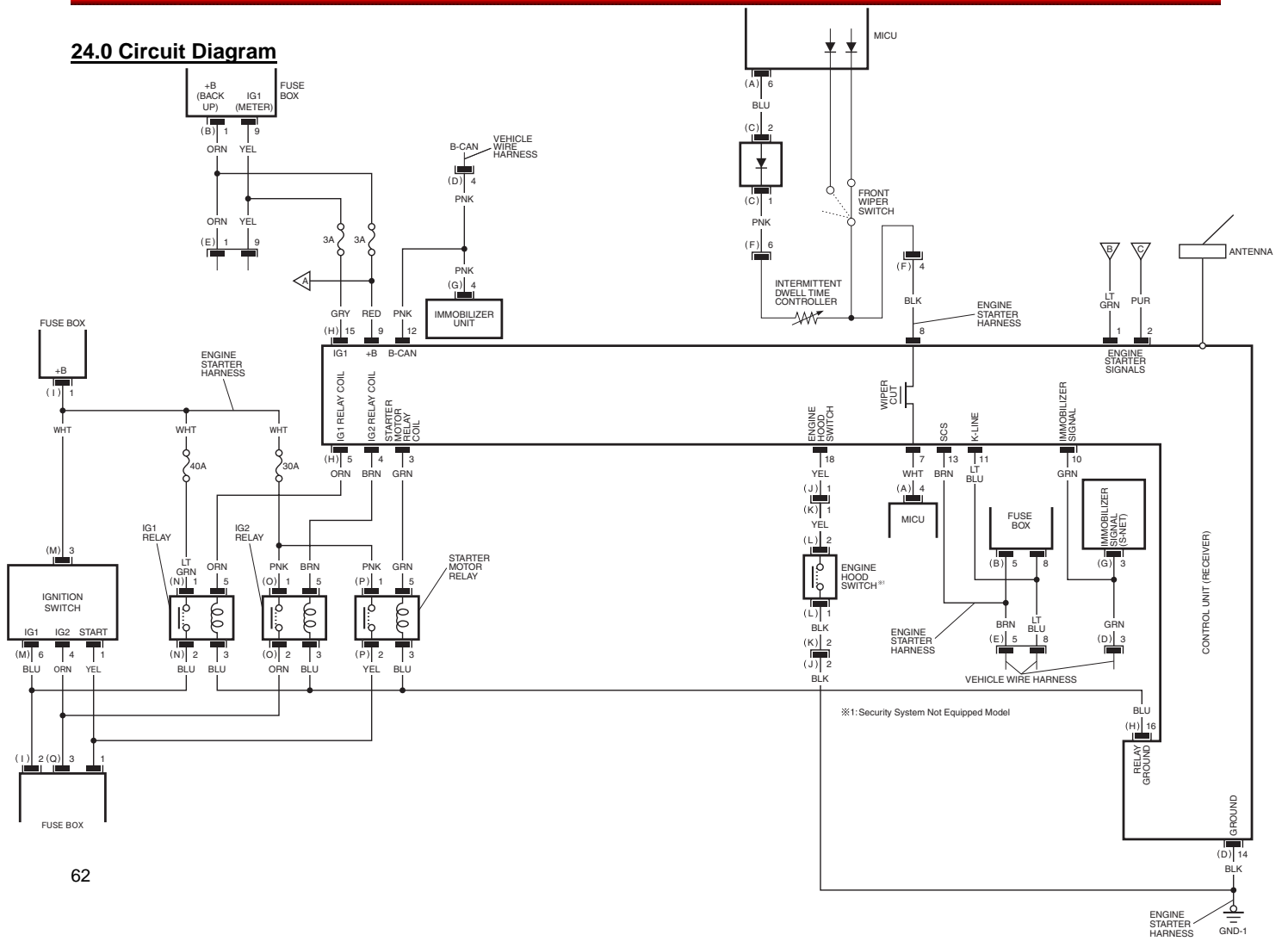
23.2 IG1 Relay/IG2 Relay/Starting Motor

1. Check that there is no continuity between #3 and #5 terminals
2. With the battery power supply connected between #1 and #2 terminal, check that there is continuity #3 and # 5 terminals

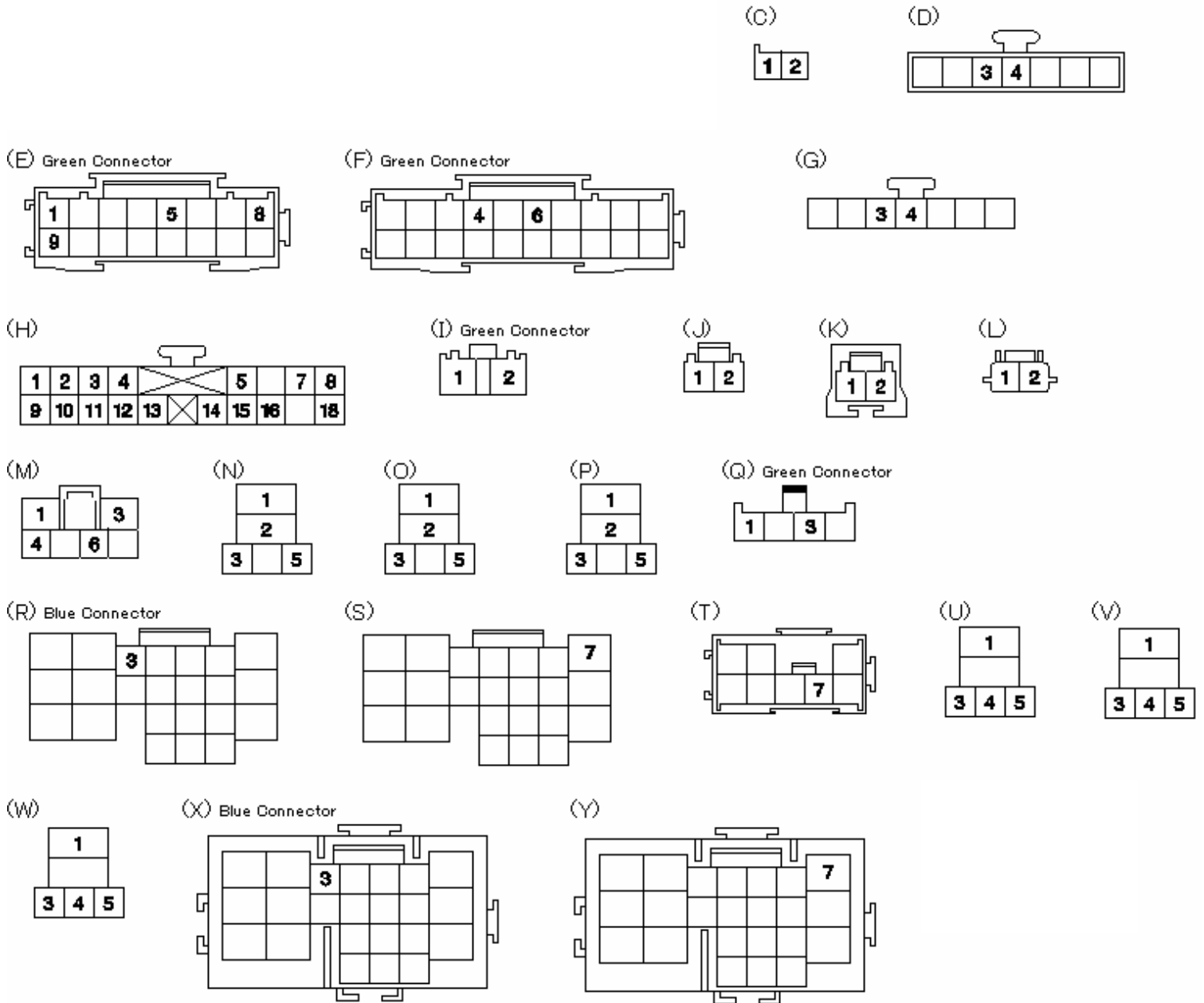


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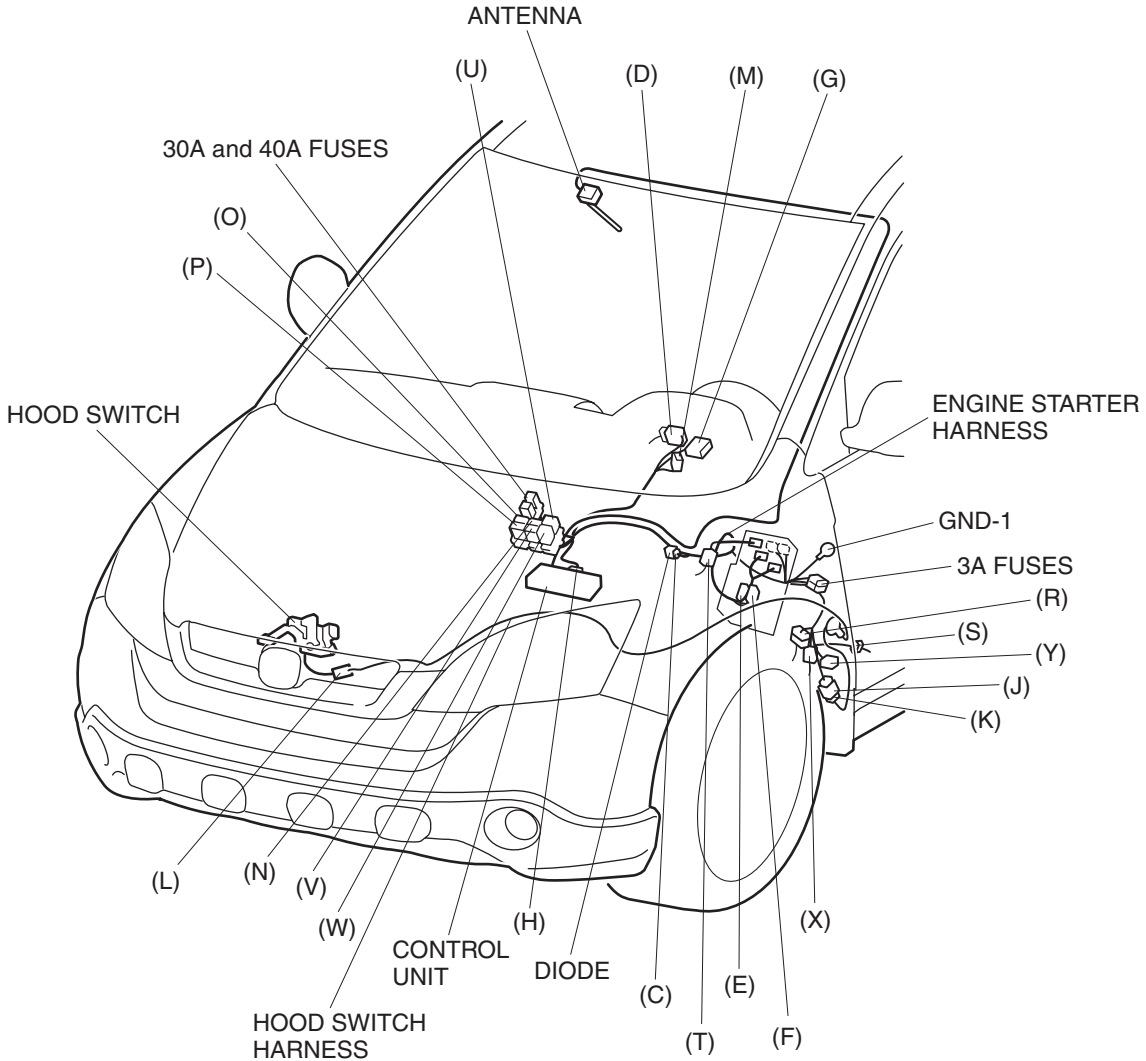
24.0 Circuit Diagram



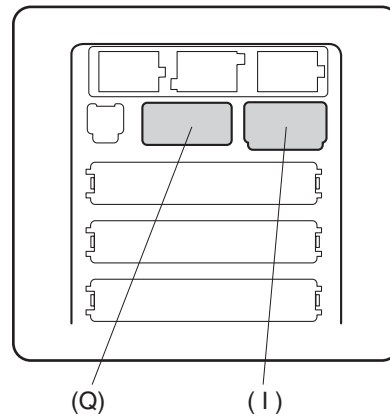
25.0 Terminal Pinouts



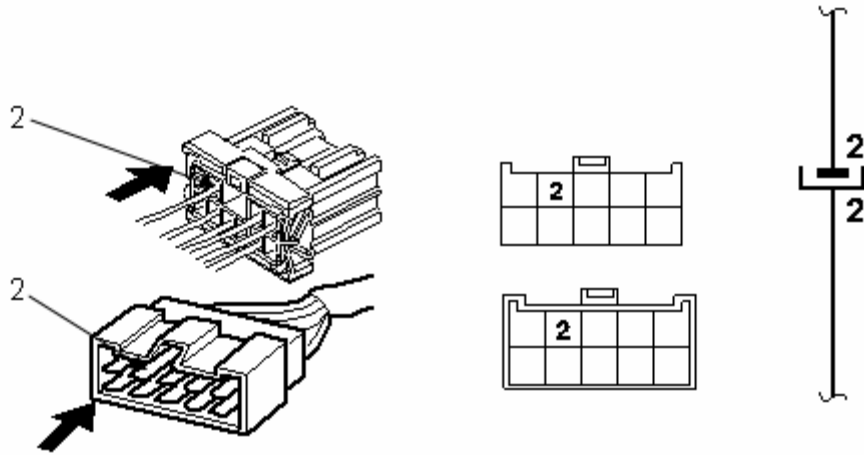
26.0 Component Locations



FUSE BOX FRONT VIEW



Drawing conventions:



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27.0 Disconnected Parts to Results Chart

Model	Disconnected Parts/Results after Starting Engine with Key		Remarks
	Remote Starter ECU	Signal Relay Unit	
RDX	With wiper switch turned on, front wiper does not work	With lighting switch turned on, lighting system does not turn on. With power window switch operated, system does not work	Technician does not find, unless lighting function is checked. Technician does not find, unless power window function is checked.
MDX	Either may occur.	With lighting switch turned on, lighting system works properly.	If B-CAN system regarding lighting system is in good condition, B-CAN can control lighting system through B-CAN line and relay control module.
		Though lighting system does not work, emergency headlight-on (low-beam) system does work	Following 2 condition are met. * B-CAN line: in trouble * Relay unit: disconnected
		Transmission shift lever does not slide.	
CR-V	With wiper switch turned on, front wiper does not work		Same as 2006 CIVIC/CSX

Reason why Normal Closed Relay is used in Headlight Power Line, on MDX:

With lighting switch turned on, parking lights or/and headlights automatically go off after closing door.

Switch Position When leaving car	Basic Function (After receiving IG1 signal)	With door locks activated, after starting engine with remote (After receiving IG1 and Remote Starter Signal)
Parking Lights	Parking Lights: ON	remain OFF. (B-CAN system does not turn on lights after receiving Remote Starter Signal.)
Headlights (High-Beam)	Parking Lights: ON	remain OFF. (B-CAN system does not turn on lights after receiving Remote Starter Signal.)
	Headlights(High-beam): ON	remain OFF. (B-CAN system does not turn on lights after receiving Remote Starter Signal.)
Headlights (Low-Beam)	Parking Lights: ON	remain OFF. (B-CAN system does not turn on lights after receiving Remote Starter Signal.)
	Headlights(Low-beam): ON	turn ON. (Headlights Low-Beam are not controlled by B-CAN system and turned on by Back-up Power Supply, without relay.)

To prevent Headlights-On (Low-Beam) while running engine started with remote, open-circuit in Low-Beam Power Supply Line is required.