

June 11, 2021

Version 1

2017–19 Ridgeline: Alarm Goes Off Intermittently**AFFECTED VEHICLES**

Year	Model	Trim	VIN Range
2017–19	Ridgeline	ALL	ALL

SYMPTOM

The vehicle's factory security system will sound off intermittently when the vehicle is parked, and the system is armed.

POSSIBLE CAUSE

An internal failure within the Keyless Access/TPMS Control Unit.

CORRECTIVE ACTION

Inspect the Alarm Trigger History with i-HDS and replace the Keyless Access/TPMS Control Unit if Ignition Switch (IG1) is listed under the Alarm Device.

PARTS INFORMATION

Part Name	Trim	Part Number	Quantity
Control Unit	RT (2WD and AWD)	38320-T6Z-A11	1
Control Unit	RLT, RTS, and SPORT (2WD and AWD)	38320-T6Z-A21	1
Control Unit	BLACK RTL (-E), and RTL (T 2WD and AWD-NAV/SUN), RTL (T 2WD and AWD - NAVI)	38320-T6Z-A31	1

CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

WARRANTY CLAIM INFORMATION

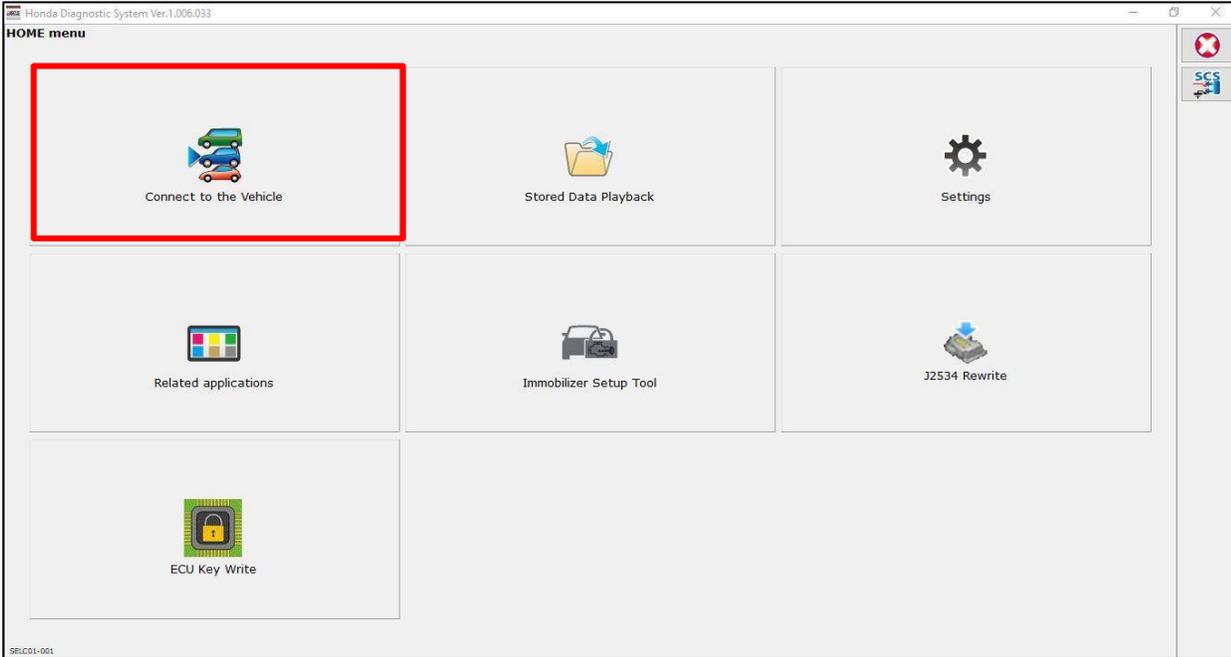
The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
0505A0	Inspect the Security System with the i-HDS.	0.3 hr.				
A	RT 2WD/AWD - Replace the Keyless Access/TPMS control unit (includes re-programming all keys and TPMS sensor learn/tire check).	0.8 hr.	03124	03217	A21055A	38320-T6Z-A11
	RTL 2WD/AWD, RTS 2WD/AWD, Sport 2WD/AWD - Replace the Keyless Access/TPMS control unit (includes re-programming all keys and TPMS sensor learn/tire check).	0.8 hr.			A21055B	
	BLACK RTL (-E), RTL (T 2WD/AWD-NAV/SUN), RTL (T 2WD/AWD - NAVI) - Replace the Keyless Access/TPMS control unit (includes re-programming all keys and TPMS sensor learn/tire check).	0.8 hr.			A21055C	

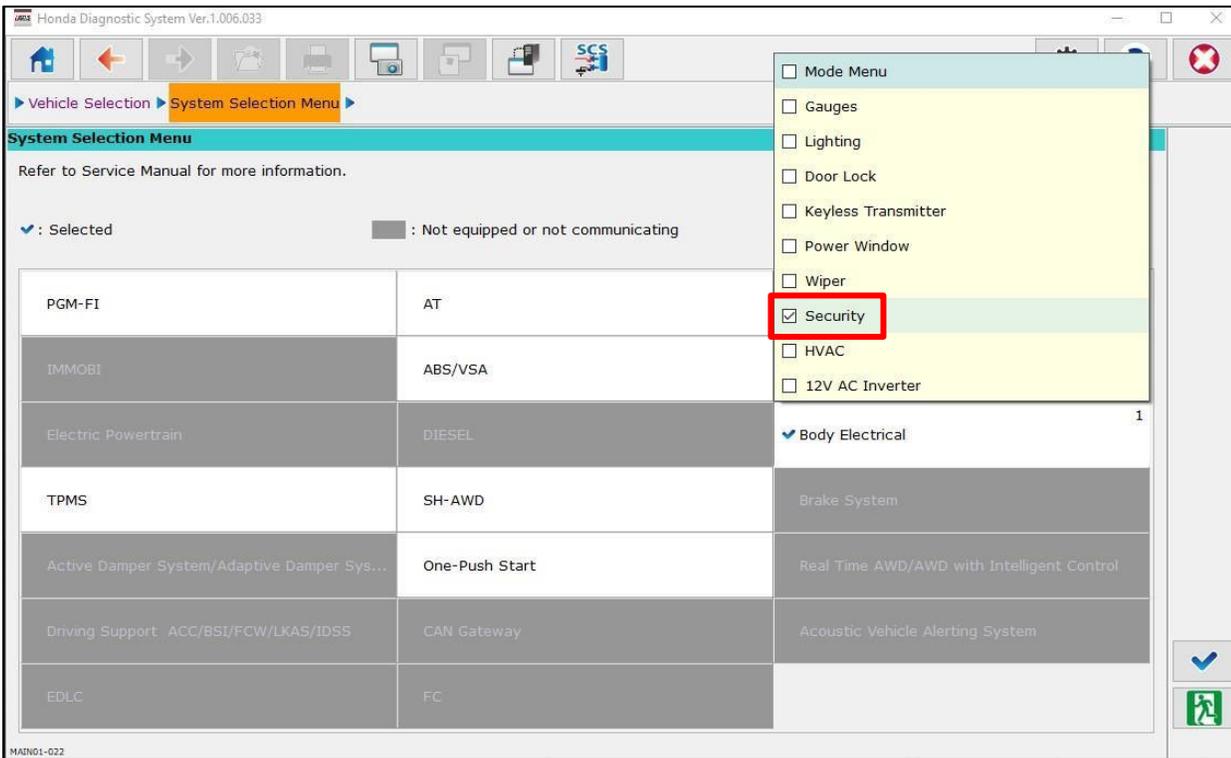
Skill Level: Repair Technician

INSPECTION PROCEDURE

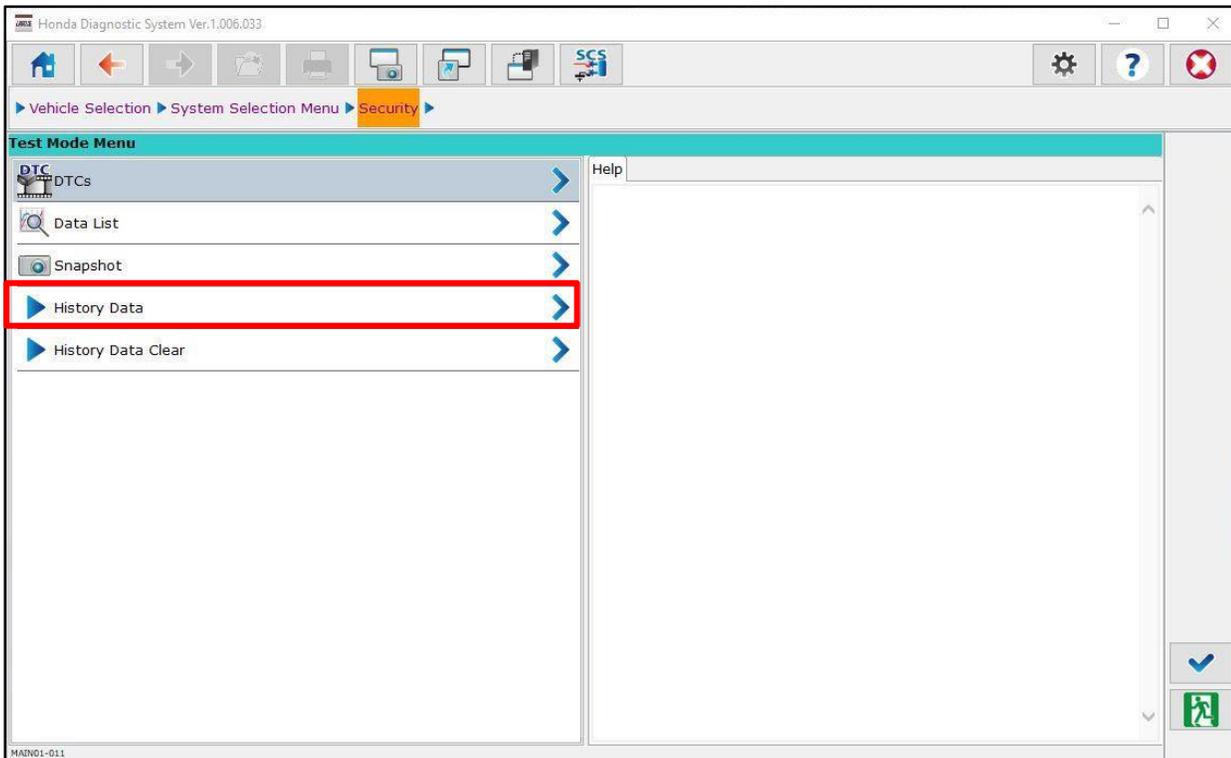
1. Connect to the vehicle using the i-HDS.



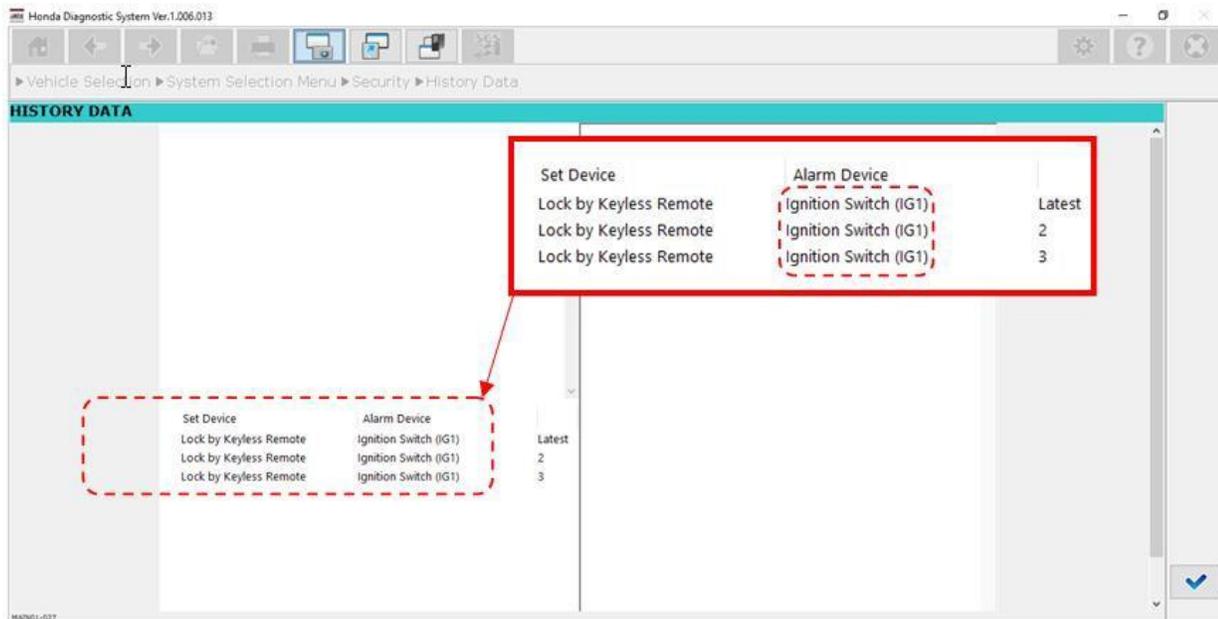
2. Go to the **Body Electrical** menu and select **Security**.



3. Select **History Data**.



4. If under the Alarm Device column, you see that **Ignition Switch (IG1)** is listed, proceed to the repair procedure. If is not listed, this bulletin does not apply, proceed with normal troubleshooting.



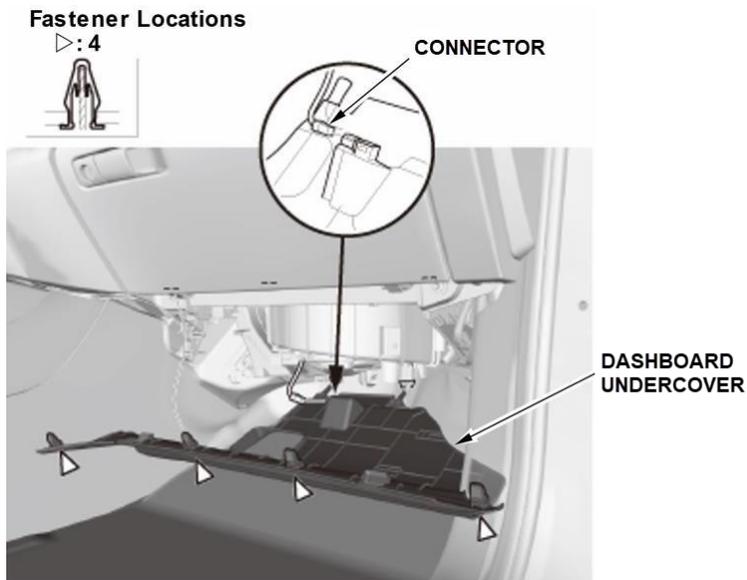
REPAIR PROCEDURE

NOTE: Before beginning work, all of the vehicle's keys will need to be available to complete the Keyless Access Control Unit Registration.

1. Remove the passenger's side dashboard lid.



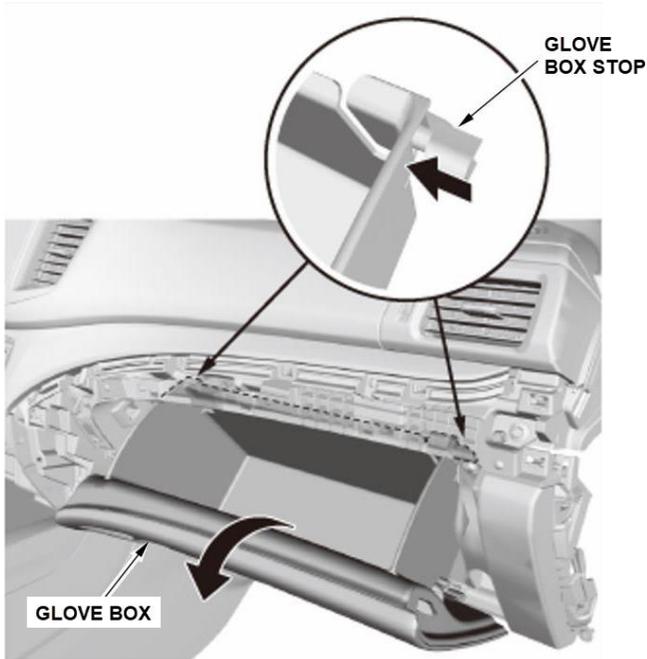
2. Remove the passenger's dashboard undercover, then disconnect the connector (*for some models*).



3. Remove the passenger's dashboard trim panel.



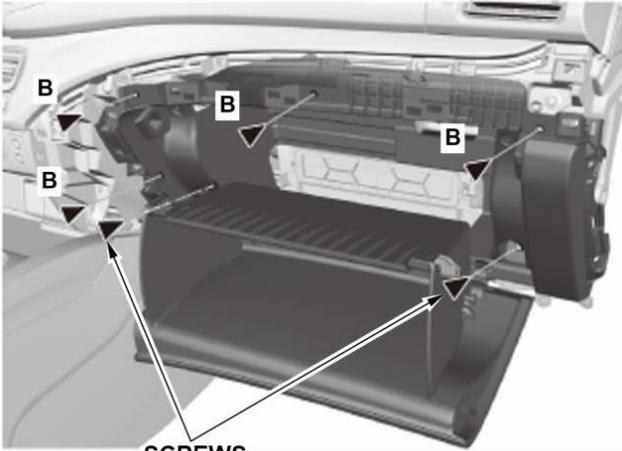
4. Open the glove box. Release both glove box stops by pushing them in passed the guide stop, then pull down the glove box.



5. Remove the screws.

NOTE: If the screw threads are stripped, replace them with one-size larger (90140-TG7-A00).

**SCREWS
LOCATIONS (B)**

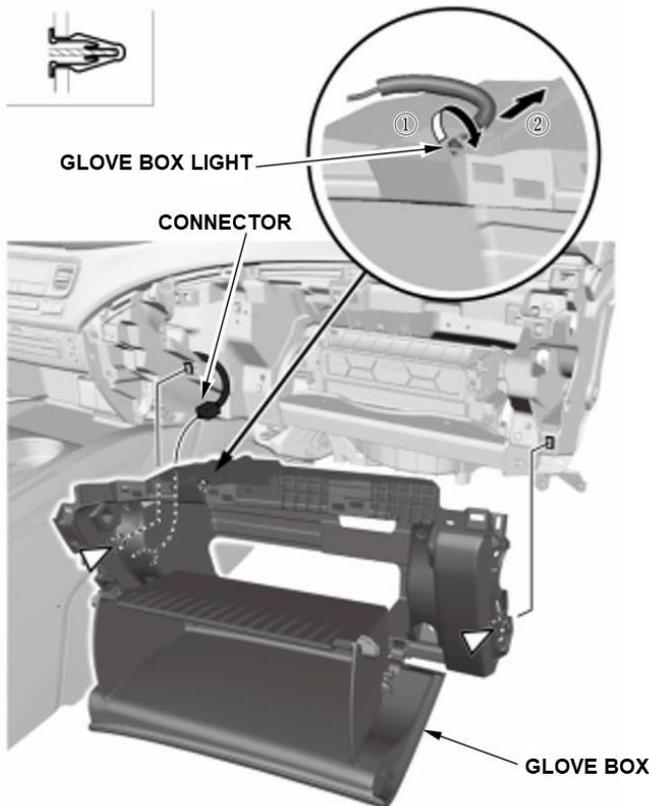


**SCREWS
17 N·m (13 lb-ft)**

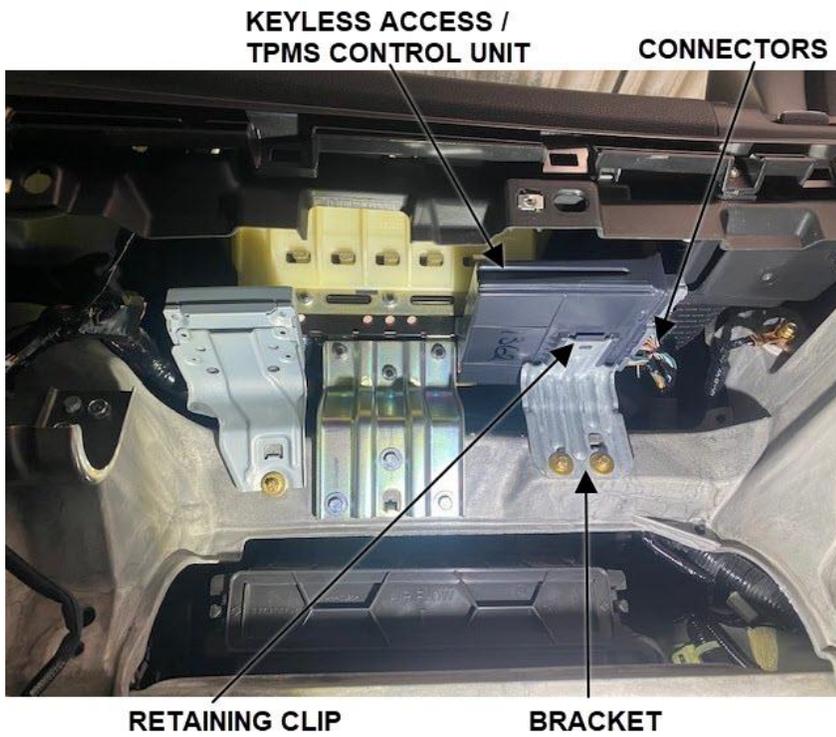
6. Remove the glove box, then remove the glove box light and the connector.

Fastener Locations

▷: 2



7. Release the retaining clip, then remove the Keyless Access/TPMS control unit from the bracket and disconnect the connectors.

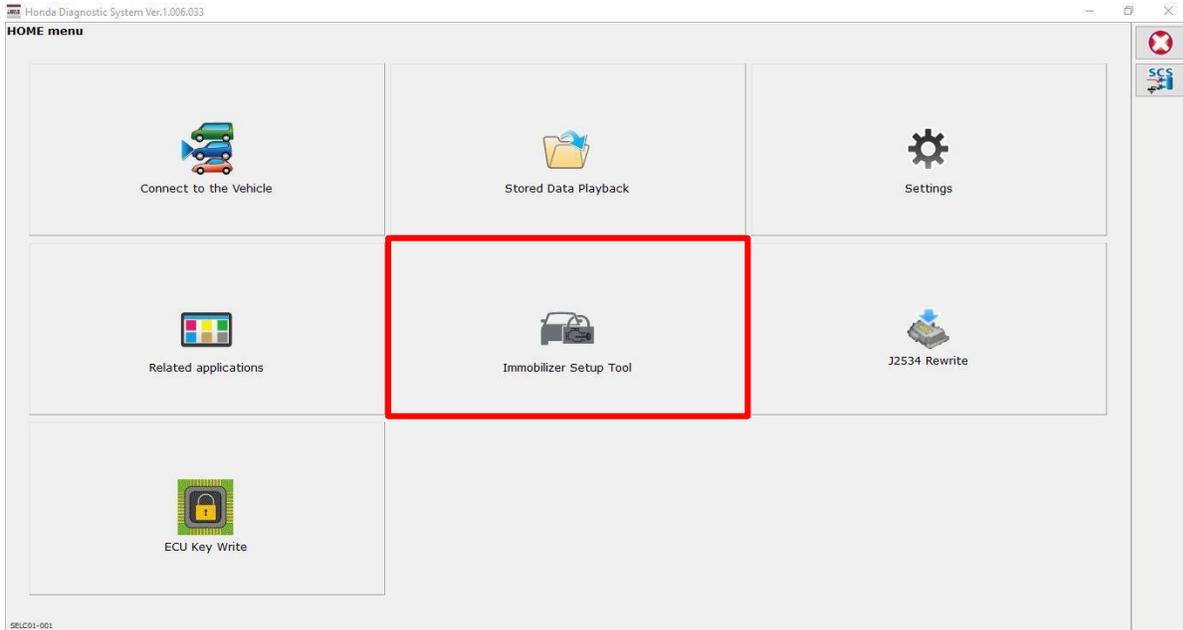


8. Install the replacement Keyless Access/TPMS Control Unit.
9. Install all remaining parts in the reverse order of removal.

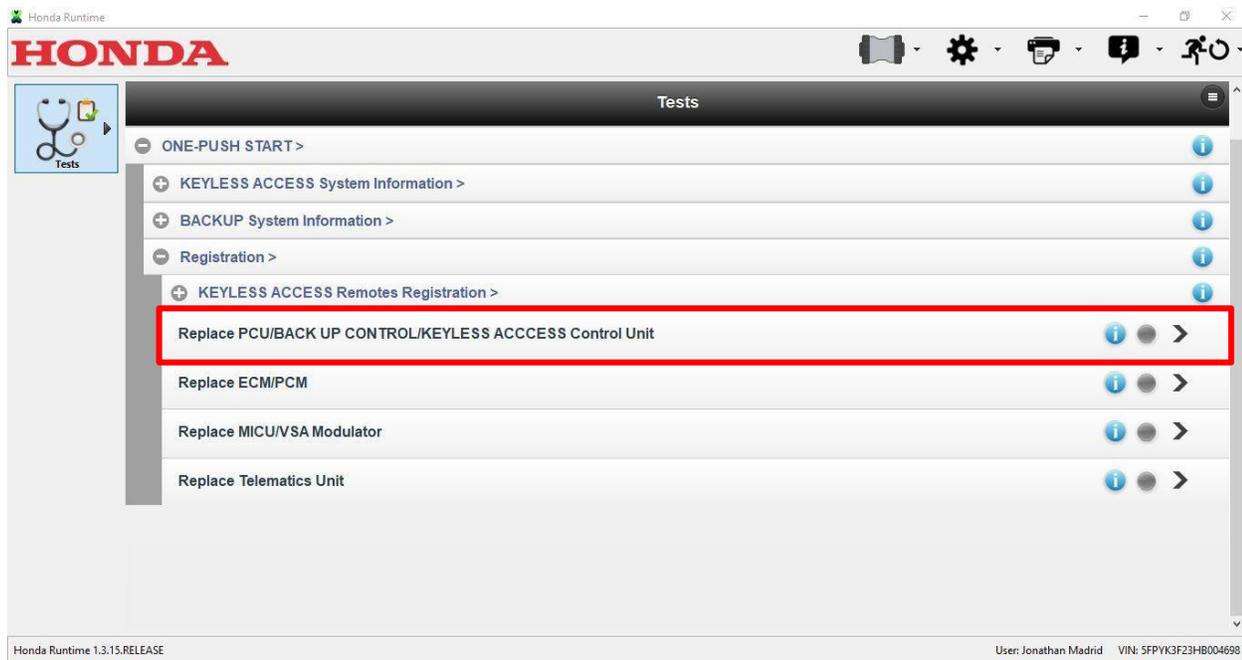
10. Register the Keyless Access/TPMS control unit using the i-HDS Immobilizer Setup Tool. Follow the instructions when prompted by i-HDS.

NOTE:

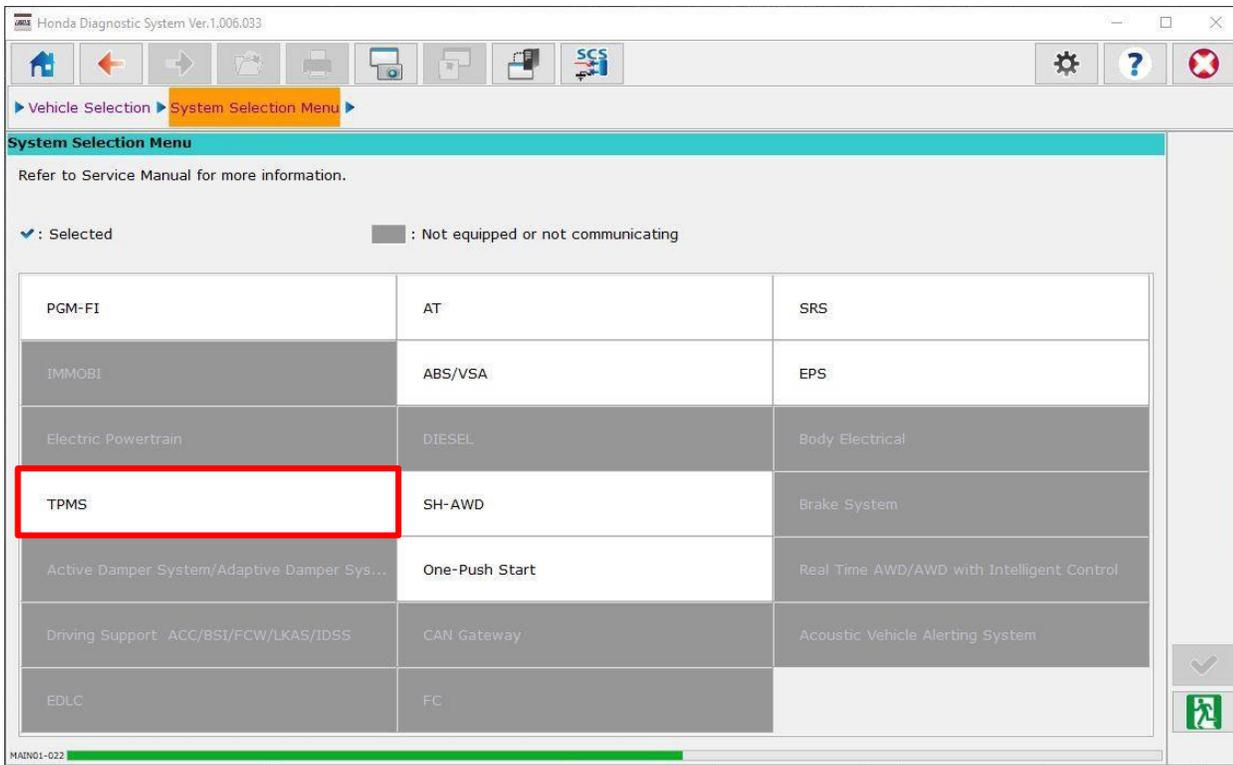
- Make sure the 12-volt battery is fully charged before starting registration.
- Connect a fully charged jumper battery to the vehicle, and leave it connected during the entire procedure to maintain steady voltage.



11. Click through to show all the Registration Menu options. Select **Replace PCU/BACK UP CONTROLLER/KEYLESS ACCESS Control Unit**. Follow the instructions when prompted by i-HDS.

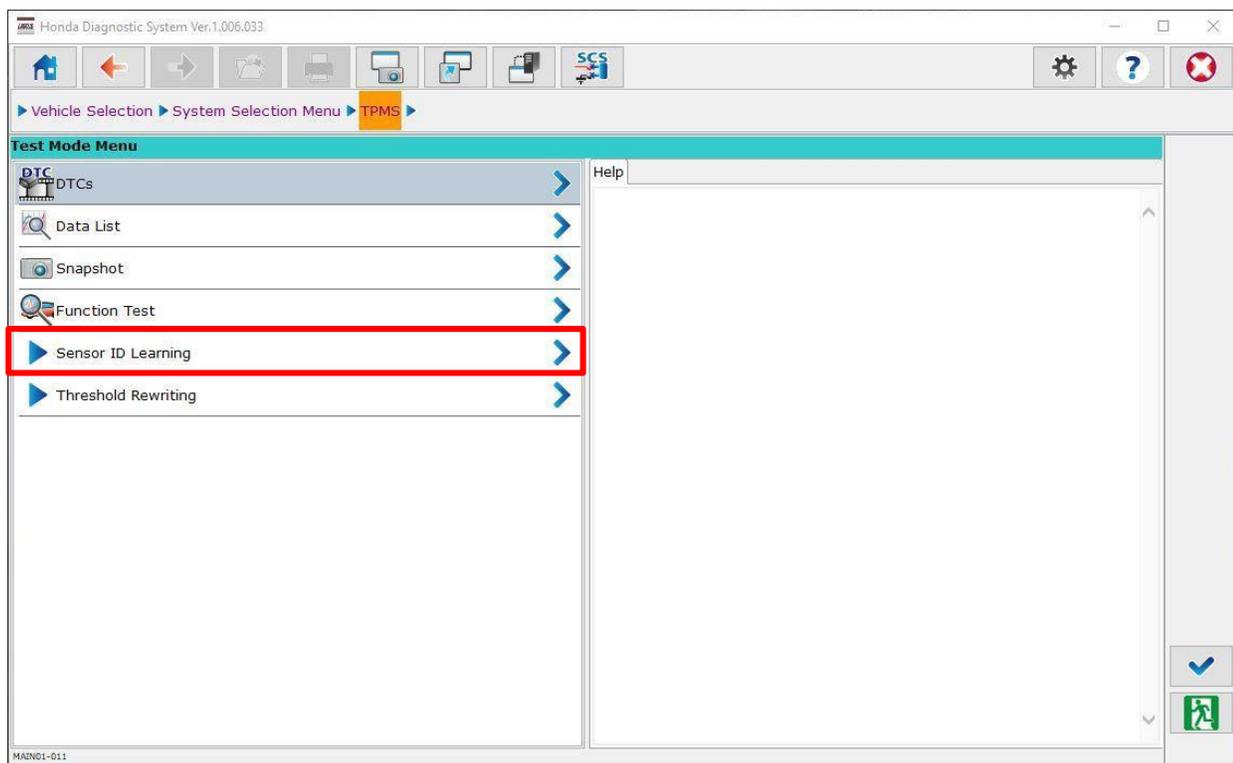


12. After registration, verify all remote related systems work normally with all remotes.
13. Perform the Tire Pressure Sensor ID with i-HDS by following the screen prompts.



14. Select **Sensor ID Learning**, then follow the instructions when prompted by i-HDS.

NOTE: After the sensor IDs are memorized, reduce the pressure in all four tires to less than the appropriate specification, and check to see that the four tire indicators come on. Clear any DTCs that may have stored while performing this check.



END