

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.				
	RT 2WD/AWD - Replace the Keyless Access/TPMS control unit (includes re- programing all keys and TPMS sensor learn/tire check).	0.8 hr.			A21055A	
A	RTL 2WD/AWD, RTS 2WD/AWD, Sport 2WD/AWD - Replace the Keyless Access/TPMS control unit (includes re- programing all keys and TPMS sensor learn/tire check).	0.8 hr.	03124	03217	A21055B	38320-T6Z-A11
	BLACK RTL (-E), RTL (T 2WD/AWD- NAV/SUN), RTL (T 2WD/AWD - NAVI) - Replace the Keyless Access/TPMS control unit (includes re- programing 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.

🏧 Honda Diagnostic System Ver.1.006.033			X C
HOME menu			٢
Connect to the Vehicle	Stored Data Playback	Settings	SCS T
Related applications	Immobilizer Setup Tool	J2534 Rewrite	
ECU Key Write			

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

Honda Diagnostic System Ver.1.006.033		— 🗆 X
		Mode Menu
► Vehicle Selection ► System Selection Menu ►		Gauges
System Selection Menu		Lighting
Refer to Service Manual for more information.	Refer to Service Manual for more information.	
		C Keyless Transmitter
: Selected	: Not equipped or not communicating	Power Window
		U Wiper
PGM-FI	AT	Security
TABAOD1	ADCIVICA	HVAC
IMIMORI	AD3/ V3A	12V AC Inverter
Electric Powertrain	DIESEL	Body Electrical
TPMS	SH-AWD	Brake System
Active Damper System/Adaptive Damper Sys	One-Push Start	Real Time AWD/AWD with Intelligent Control
Driving Support ACC/BSI/FCW/LKAS/IDSS		Acoustic Vehicle Alerting System
EDLC	FC	
MAIN01-022		

3. Select History Data.

Honda Diagnostic System Ver.1.006.033		— 🗆 X
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▶ Vehicle Selection ▶ System Selection Menu ▶ Securi	<mark>ty</mark> 🕨	
Test Mode Menu		
DTCs	> Help	
🖉 Data List	>	~
Snapshot	>	
History Data	>	
History Data Clear	>	
		~ 2
MAIN01-011		

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.

DRY DATA				
		Set Device Lock by Keyless Remote Lock by Keyless Remote Lock by Keyless Remote	Alarm Device Ignition Switch (IG1) Ignition Switch (IG1) Ignition Switch (IG1)	Latest 2 3
Set Device Lock by Keyless Remote Lock by Keyless Remote	Alarm Device Ignition Switch (IG1) Ignition Switch (IG1)	Latest 2		

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).



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



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



RETAINING CLIP

BRACKET

- 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.

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(70)	Tests		•
J.	ONE-PUSH START>		0
100	C KEYLESS ACCESS System Information >		0
	BACKUP System Information >		0
	Registration >		0
	KEYLESS ACCESS Remotes Registration >		0
	Replace PCU/BACK UP CONTROL/KEYLESS ACCCESS Control Unit	0 0	>
	Replace ECM/PCM	0 0	>
	Replace MICU/VSA Modulator	0 0	>
	Replace Telematics Unit	0 0	>
Honda Runtime 1.3.15	S.RELEASE	User: Jonathan Madrid VIN: 5FPY	(3F23HB004698)

- 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.

Honda Diagnostic System Ver.1.006.033		— D ×	<
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► Vehicle Selection ► System Selection Menu			
System Selection Menu			
Refer to Service Manual for more information.			
✓: Selected	: Not equipped or not communicating		
PGM-FI	AT	SRS	
ІММОВІ	ABS/VSA	EPS	
Electric Powertrain	DIESEL	Body Electrical	
TPMS	SH-AWD	Brake System	
Active Damper System/Adaptive Damper Sys	One-Push Start	Real Time AWD/AWD with Intelligent Control	
Driving Support ACC/BSI/FCW/LKAS/IDSS	CAN Gateway	Acoustic Vehicle Alerting System	
EDLC	FC		
MAIN01-022			

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.

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▶ Vehicle Selection ▶ System Selection Menu ▶ TPMS				
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DTCs	> Help			
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Sensor ID Learning	>			
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