



Technical Journal

TITLE:

Keyless Drive receiver issues (short remote control range, key messages)

REF NO: TJ 27316.7.1	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2017-08-21	STATUS DATE: 2017-08-29
FUNC GROUP: 3669	FUNC DESC: Miscellaneous	Page 1 of 6	

“Right first time in Time”

Attachment

File Name	File Size
External_Antennas.jpg	0.0554 MB
Keyless_Remote_Receiver.jpg	0.0316 MB
Keyless_Remote_Receiver_2.jpg	0.0269 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
124							2013-2015		-	201220-201508
134							2013-2015		-	201220-201508
135							2013-2015		-	201220-201508
136							2013-2015		-	201220-201508
155							2013-2015		-	201220-201508
156							2013-2015		-	201220-201508

CSC Customer Symptom Codes

Code	Description
XM	Alarm/Other alarm problems
UH	Locking/unlocking/Central locking does not work
VZ	Locking/unlocking/Other central locking problems
IV	Text window and warning symbol/Text message
XI	Remote control/Does not work
3T	Doors/Hard to open/From the outside
1K	Tailgate/trunk lid/Automatic opening/closing does not work



VST Operation Number

DTC Diagnostic Trouble Codes

Rows beginning with * are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

Text

DESCRIPTION:

*TJ updated only for model addition

KVM = Keyless Vehicle Module

RKE = Remote Keyless Entry

TRX = Transmitter Receiver

This journal contains additional fault tracing information for issues with the Keyless Drive function.

P3 vehicles with Keyless Drive may experience intermittent or permanent problems with the receiver causing one or more of the following symptoms:

1. Short range when using the remote control buttons; the customer needs to be very close to the vehicle instead of the normal range of up to 20 meters (60').
2. "Car Key Not Found" message during failed start attempt.
3. "Key Removed From Car" message when the car is running and a door is open and closed.
4. Short range when using the keyless unlocking/locking function. The remote control must be very close to the vehicle to unlock/lock the car instead of the normal range of up to 1.5 meters (5').

In the case of a permanent fault, DTC KVM-U201F13 may be set.

Note that if a Keyless Drive remote control is kept together with a mobile phone in a pocket or a purse, the signals to the vehicle may be blocked. They should be kept at least 10-15cm (4-6") apart as described in TJ 24016.

SERVICE:

It is helpful to have both remote controls before fault tracing Keyless Drive symptoms.

Symptoms 1, 2 and 3:

Test if the symptom occurs with both remote controls. If so, then the fault is likely in the remote receiver. If the symptom occurs with only one remote control, the fault is likely in the remote control.

Symptom 4:

Test the function with both remote controls at all 3 external antennas (right, left and rear).

If both remote controls have short range at more than one antenna, the fault is likely in the remote receiver.

If the range is short with only one remote control or at only one external antenna the fault is probably not in the remote receiver. Fault trace accordingly.



Keyless Drive remote receiver description:

The component is located on top of the headliner directly above the rear seat and is referred to as:

- '4/119 TRX' in the wiring diagram
- 'Receiver 30682115' in the VIDA parts catalogue
- 'Receiver lock system keyless entry RKE' in the VIDA repair instructions and Design and Function

VEHICLE REPORT:

N/A

To view TJ attachments continue to next page. This TJ has 3 attachments.





