



Volvo Models

Volvo Model VNR , VNX , VNL , VNM , VHD , VAH

Engine family

Engine family 11L Engine , 13L Engine

Emission Standard

Emission Standard 2018 , OBD2017 , US17

**** SOLUTION ****

Title Volvo Chassis - Left Hand Drive (LHD) - No Airflow From Defrost And Floor Vents - **Model Year 2018 And Newer**

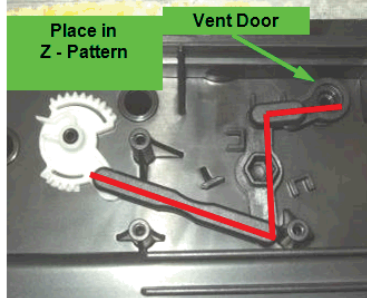
Cause Incorrect placement/installation of the actuator.

Solution In the event the HVAC vents are not functioning correctly the gear timing needs to be verified. Below is the correct timing procedure for a Left Hand Drive Volvo Chassis.

<p>Get housing and position on fixture, then tilt back fixture</p>	<p>Retrieve & install (2) doors. <i>Note orientation of doors – side with 3 openings facing out.</i></p>
<p>Tilt fixture down. Get and assemble linkage to case after removing rubber bands. Align links & gears.</p>	<p>While orienting door with hand, install second door gear. <u>Use gear marks to insure proper alignment of gears.</u></p>



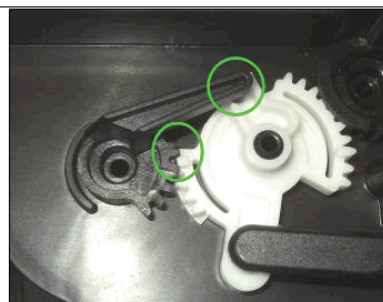
Rotate fixture 180°. Retrieve & install actuator to kinematics sub-assembly. Drive (6) screws to actuator & kinematics sub-assembly.



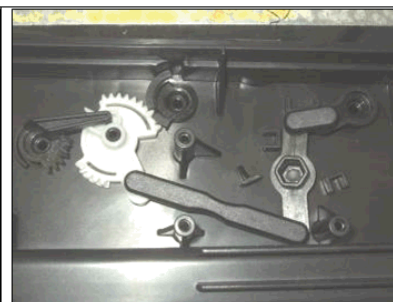
Retrieve kinematics sub-assembly & install to housing as shown. *Insure that lever 'snaps' into vent door shaft.*



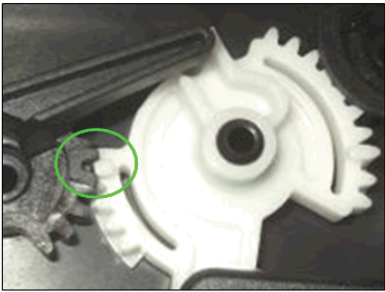

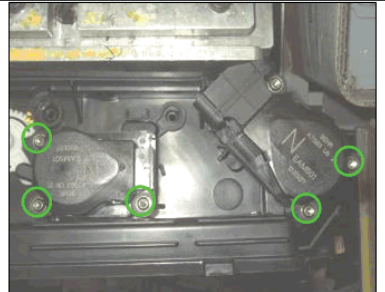
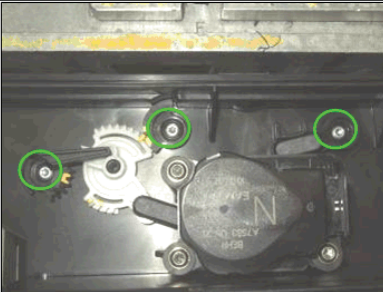
Retrieve & install defrost door lever. *Insure that lever 'snaps' into defrost door shaft. Insure that lever is oriented as shown.*



Retrieve & install 2nd defrost door lever. *Insure that lever 'snaps' into defrost door shaft. Insure that lever is oriented as shown. Insure that lever pin is contained in gear cam track.*



Manually orient kinematics & doors as shown.

	
Visually verify that gears were initially properly aligned.	Retrieve & install actuator. Retrieve protective cover & place to actuator. Drive (1) gold screw to protective cover.
	
Retrieve & install 2 nd actuator. Drive (5) gold screws to actuators.	Drive (3) silver screws to door levers. Once fixture automatically releases sub-assembly, remove from fixture & place to WIP rack.

NA_Sister solutions

K05023452

Solution visibility

[Dealer distribution](#)

Function(s)/component(s) affected

Function affected

heating , air conditioning

Function Group

Function Group

872 air distribution incl. air intake with filter

Customer effect

Main customer effect

temperature , calibration/programming/pairing/missing operation , diagnostics /methodology , efficiency/abnormal behavior , opening/closing

Conditions

Vehicle operating mode

when driving , when stationary

Frequency of occurrence of problem

always

Administration

Author

A241298

Dealer ID

A241298

Last modified by

A241298

Creation date

09-10-2018 17:10

Date of last update

16-10-2018 22:10

Status

Published
