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Coding Information

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Title: 1885394C1 - BCS Vac. Line/Harness Temporary Parts Solution

Applies To: 2010 MXDT/9/10, 2013 MXDT/9/10, 2014 N9/10

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

12/12/2018 - No changes, republished for feedback purposes
12/10/2018 - Corrected error in figure 1 title
12/06/2018 - Initial Article Release

DESCRIPTION

This document will guide the user through replacing the boost control solenoid vacuum line harness (p/n 1885394C1) with locally sourced parts, until the OEM part shortage is resolved.

SYMPTOM(s)

- Check engine light

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/Light	Description
SPN 1209 FMI 0 FCAP	Exh. Back Pressure Too High (Above Desired)
SPN 102 FMI 16 FCAP	Intake Man. Pressure Too High (Overboost)

Customer Observations or Concerns:

- Check Engine Light

SPECIAL TOOL(s) / SOFTWARE

NOT APPLICABLE

Tool Description	Tool Number	Comments	Instructions
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

SERVICE PARTS INFORMATION

NOTE: THE BELOW PARTS WERE SOURCED FROM AUTOZONE. USE YOUR DISCRETION FOR ANY LOCAL PARTS STORE, AS LONG AS TUBING SPECS. ARE EQUIVALENT.

Kit Description	Part Number	Quantity Required	Notes
Armor Mark Universal Radiator/Heater Hose	AutoZone: 50211	3 ft.	.219" I.D. / .469" O.D.
Medium Size Zip Ties	N/A	4 Ties	Use discretion when necessary. Size availability may vary by store.

DIAGNOSTIC STEP(s)

NOT APPLICABLE

REPAIR STEP(s)

REMOVAL PROCEDURE:

1. Install Wheel Chocks
2. Obtain Service Information
3. Obtain Service Part(s)
4. Obtain Service Tool(s)
5. Open Hood
6. Remove Fender, Inner Panel /Passenger (right) Side
7. Disconnect Connector Plug /MAF Sensor from Air Inlet Duct
8. Remove Hose /Air Compressor Inlet from Air Inlet Duct/Position Spring Clamp to Rear of Hose
9. Loosen Nut /Clamp Nuts/Remove Air Inlet Duct from Air Filter Housing/LP Turbo Air Inlet Duct
10. Cut Tie Strap, Wiring /(3)/Remove HPCAC Hose Pipe/Loosen Clamp Nuts (2)
11. Remove Connector /Dump line from LP Turbo Air Inlet Duct Fitting (Long Line)
12. Remove Line Assembly /Dump from Rear of Boost Control Solenoid Fitting
13. Remove Connector /Turbocharger Wastegate Actuator from Wastegate Actuator Fitting (Short Line)
14. Remove Line Assembly /Wastegate Actuator from Side of Boost Control Solenoid Fitting/Remove Boost Control Solenoid Harness

INSTALLATION PROCEDURE:

NOTE: LENGTHS CALLED OUT BELOW MAY DIFFER FOR CLEARANCE PURPOSES, VARYING BY APPLICATION. USE DISCRETION FOR CLEARANCE AND TO ENSURE NO KINKS FORM IN THE LINES, ONCE REMAINING/SURROUNDING COMPONENTS ARE REASSEMBLED. DO NOT TIGHTEN ZIP TIES UNTIL LINES ARE ORIENTED PROPERLY.

1. Cut one piece of tubing at 13 inches
2. Cut one piece of tubing at 12 inches
3. Connect the 13 inch piece to the wastegate actuator nipple and the boost control solenoid nipple that is facing outward and to the right side of the engine (**see figure #1**).

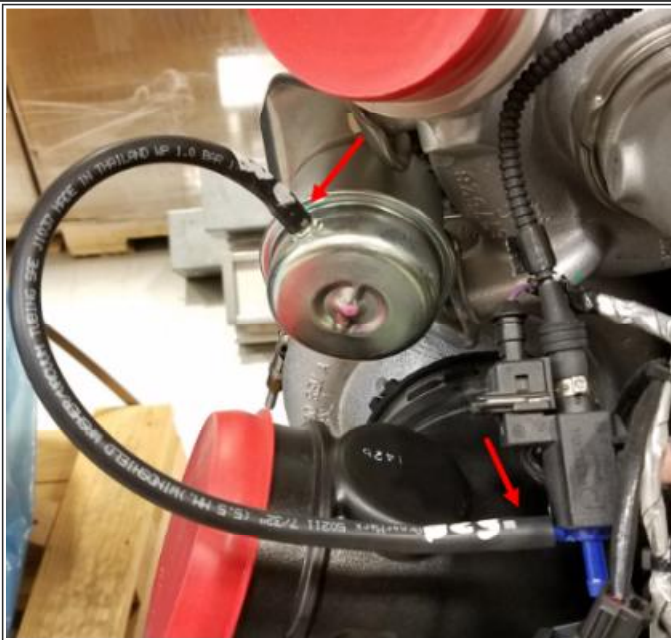


Figure #1: 13" Tubing Piece Connected

4. Connect the 12 inch piece to the nipple on the plastic intake elbow and to the boost control solenoid nipple facing downwards (**see figure #2**).

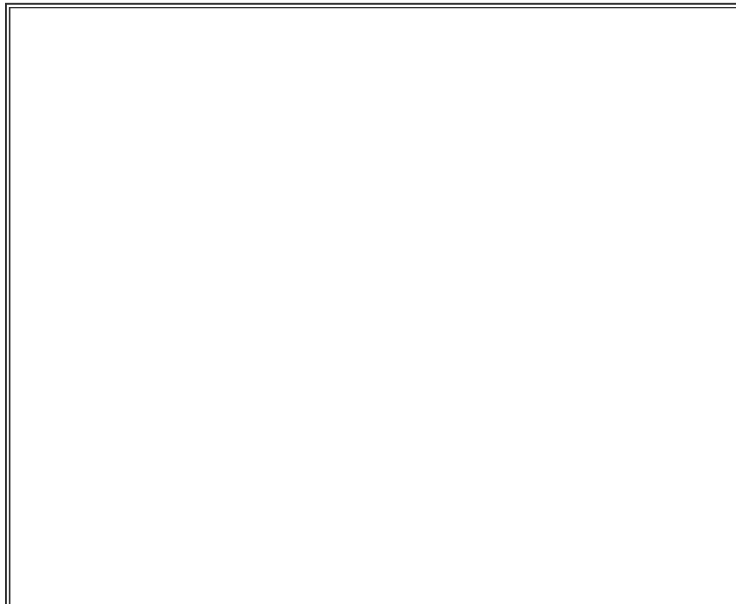




Figure #2: 12" Tubing Piece Connected

5. Route the 12 inch piece underneath the 13 inch piece, to reduce chance of kinking. Apply zip ties at the connections and cut off excess (**see figure #3**).



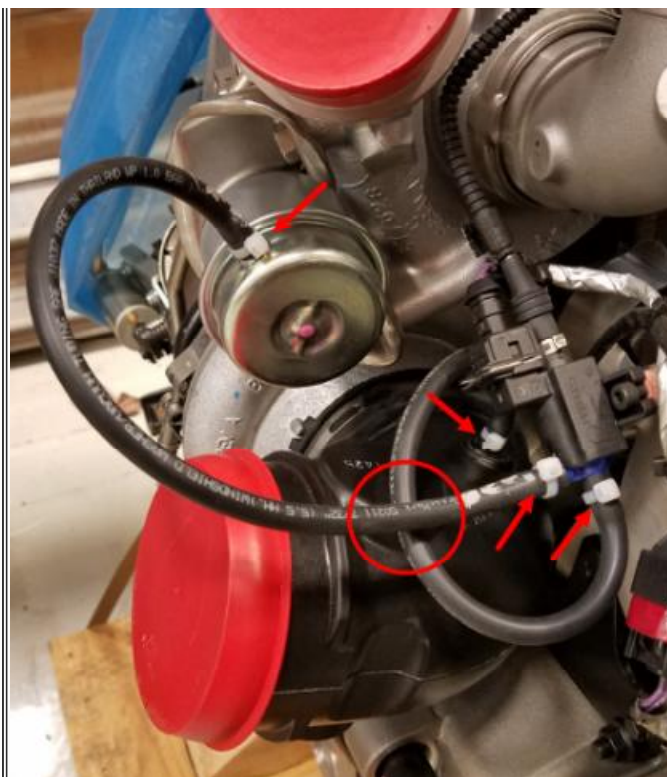


Figure #3: Final Routing and Clipping

6. Install Pipe, Charge Air Cooler /HPCAC Hose Pipe/Tighten Spring Clamp Nuts Securely
7. Install Tie Strap, Wiring /Holding Hoses to HPCAC
8. Install Air Intake Duct /to Air Filter Housing/LP Turbo Air Inlet Duct/Tighten Securely
9. Install Air Compressor Inlet Hose /to Air Inlet Duct/Reposition Hose Clamp
10. Connect Sensor, Mass Air Flow (MAF) /Sensor Connector
11. Install Fender, Inner Panel /Passenger (Right) Side
12. Close Hood
13. Tag Service Part(s) /for Return
14. Return Service Tool(s)
15. Remove Wheel Chocks

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times. **NOTE: Apply the existing labor code for "Boost Control Solenoid Dump and Wastegate Actuator Line, Replace".**

OTHER RESOURCES

[Master Service Information Site](#)

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