



# Preliminary Information

## PIT5677E SES MIL / No Start / No Crank / Runs Rough / Reduced Engine Power / VSS / DTCs (Inspect Engine Harness)

Product Investigation Review Required

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 1500 (New Model)	2019	All	All	2.7L L3B	All
Chevrolet	Silverado 1500	2020 - 2021	All	All	2.7L L3B	All
GMC	Sierra 1500 (New Model)	2019	All	All	2.7L L3B	All
GMC	Sierra 1500	2020 - 2021	All	All	2.7L L3B	All

Involved Region or Country	North America
Condition	<p>Some customers may comment on any of the following concerns:</p> <ul style="list-style-type: none"> <li>- SES MIL</li> <li>- No Start</li> <li>- No Crank</li> <li>- Engine runs rough</li> <li>- Reduced engine power</li> <li>- Erratic speedometer operation</li> <li>- Blown Fuse(s): F46UA, F47UA, F51UA, F78UA, F85UA, F86UA, F87UA, and/or F90UA</li> </ul> <p>When checking for DTC's, any combination of the following codes may be found:            C15AA P001A P2B00 P2B01 P2B03 P2B96 P001B P003D P0107 P018C P01E5 P01E6            P01E7 P0237 P0340 P0341 P0355 P0365 P037C P03F0 P0521 P0480 P0522 P0532            P0606 P0616 P0691 P0692 P0711 P0712 P077C P07BF P0707 P1101 P112F P146D            P159F P16A0 P16A2 P2122 P26E5 P2812 P2814 P2B33 P2B34 P2B53 P2C05 P2C08            P2C09 P2C0C P2C0D P2C10 P2C12 P2C15 P2C16 P2C19 P305E P3084 P3089 P308E            P3093 P3094 P3095 P3098 P30B0 P30B3 P30CF U0073 U0100 U0101 U0140 U0644            U0672</p>
Cause	These concerns may be caused by engine harness contact with under hood components.

**Caution:**

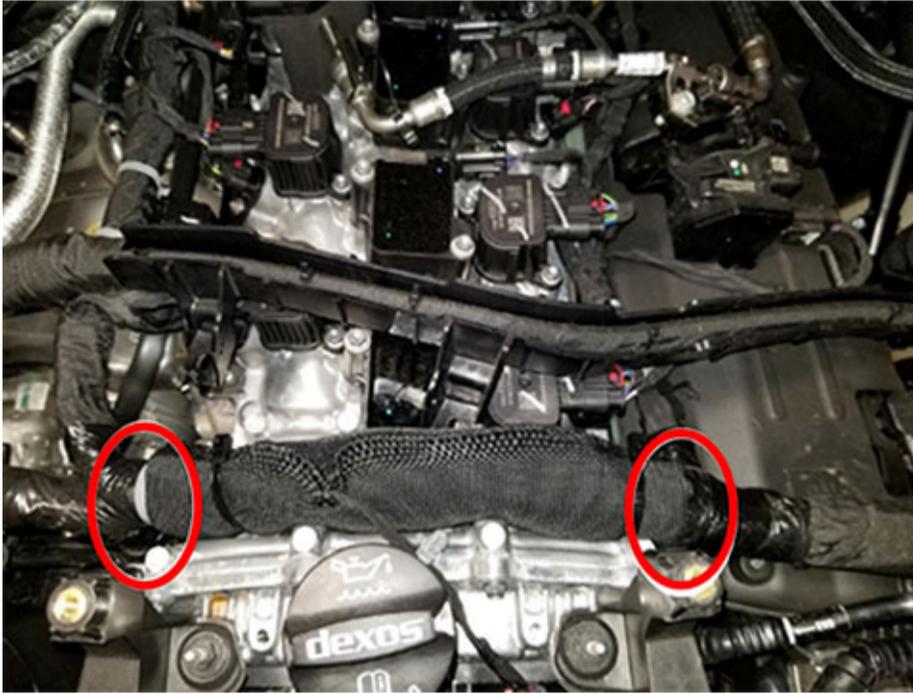
**This Document Only Applies To VINs NOT Covered by Customer Satisfaction Program N192219370 Please Verify In VIS Before Proceeding**

Shown below are areas that should be inspected for this concern.

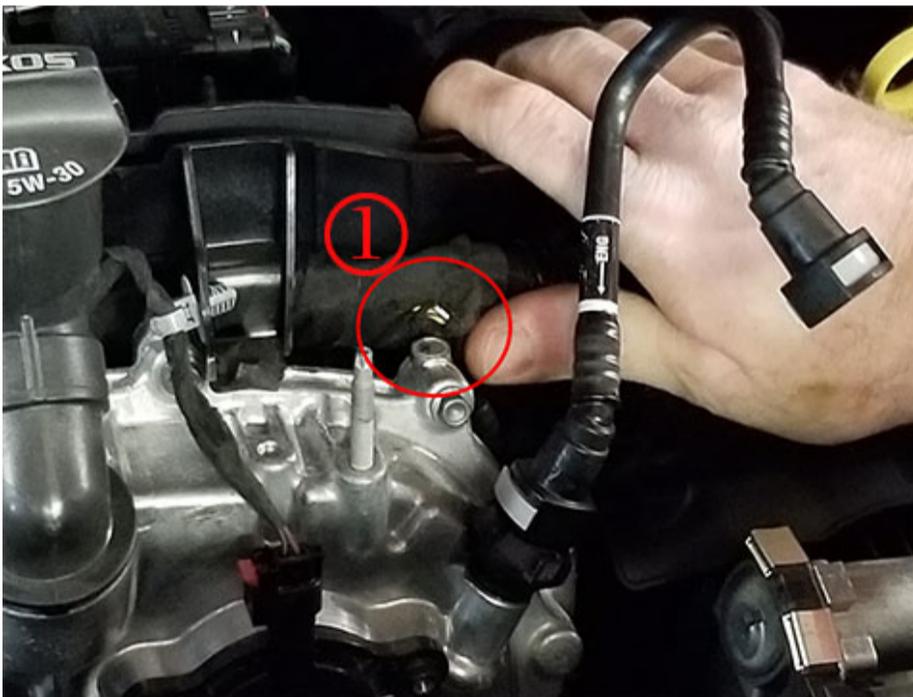
Inspect the engine harness as it crosses over top of the Camshaft Carrier Cover.

Harness damage can occur at any point across the Camshaft Carrier Cover.

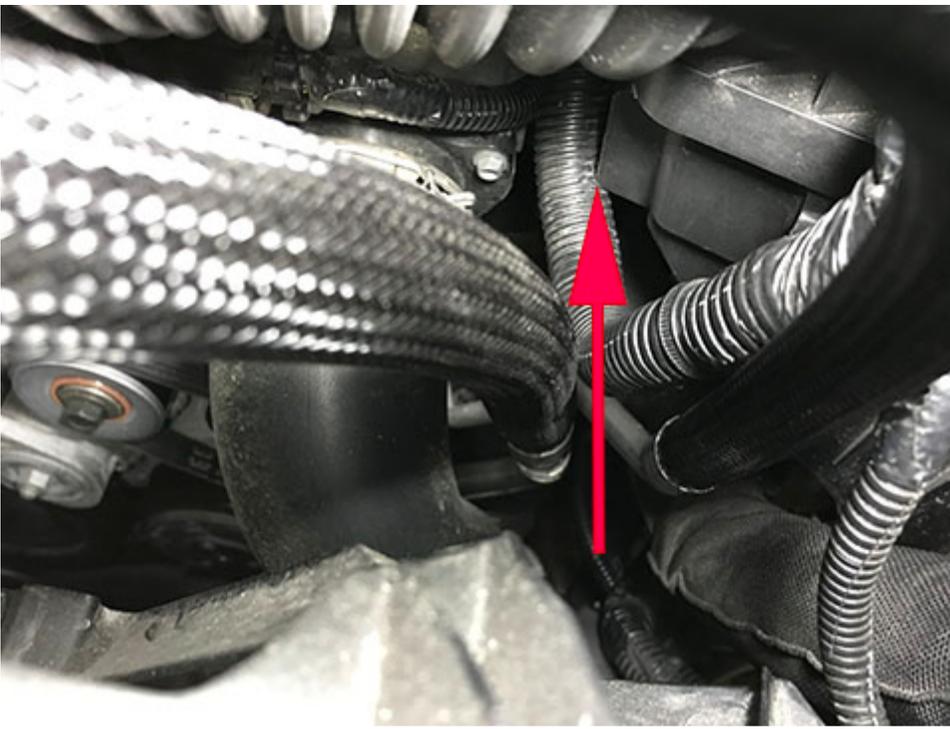
Typical inspection locations shown below.



**Example of engine wiring harness damage at Camshaft Carrier Cover shown below.**



Inspect the engine harness at the Lower Air Cleaner Housing as shown below.



Example of engine harness damage, Lower Air Cleaner Housing removed shown below.

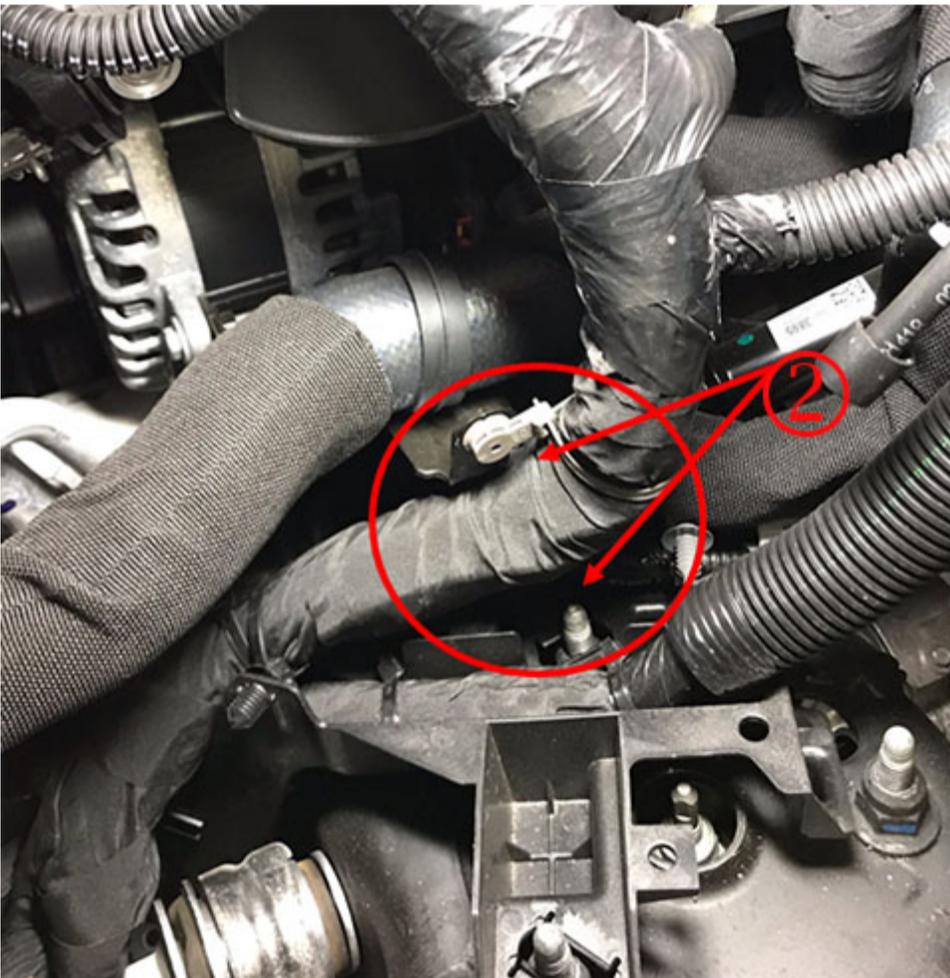
Inspect the engine harness at the Generator Bracket and Left Front Coil Spring stud as shown below.

**Note: Under normal driving conditions, the engine will rock back and forth in its mounts.**

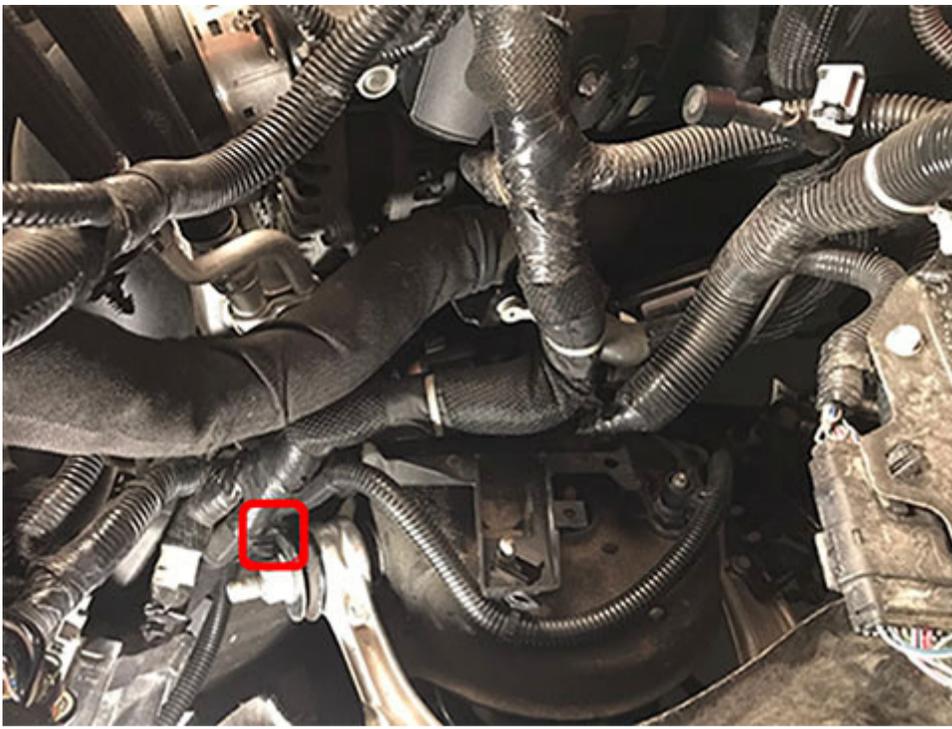
This may result in harness contact with this bracket that may not be present during engine off inspections.

Careful visual inspections are necessary to isolate areas of contact.

It may be necessary to disconnect several engine harness connections to reposition the harness for inspections.



Inspect the engine harness at the Left Front Upper Control Arm Bushing as shown below.



**Correction:**

**Caution:**

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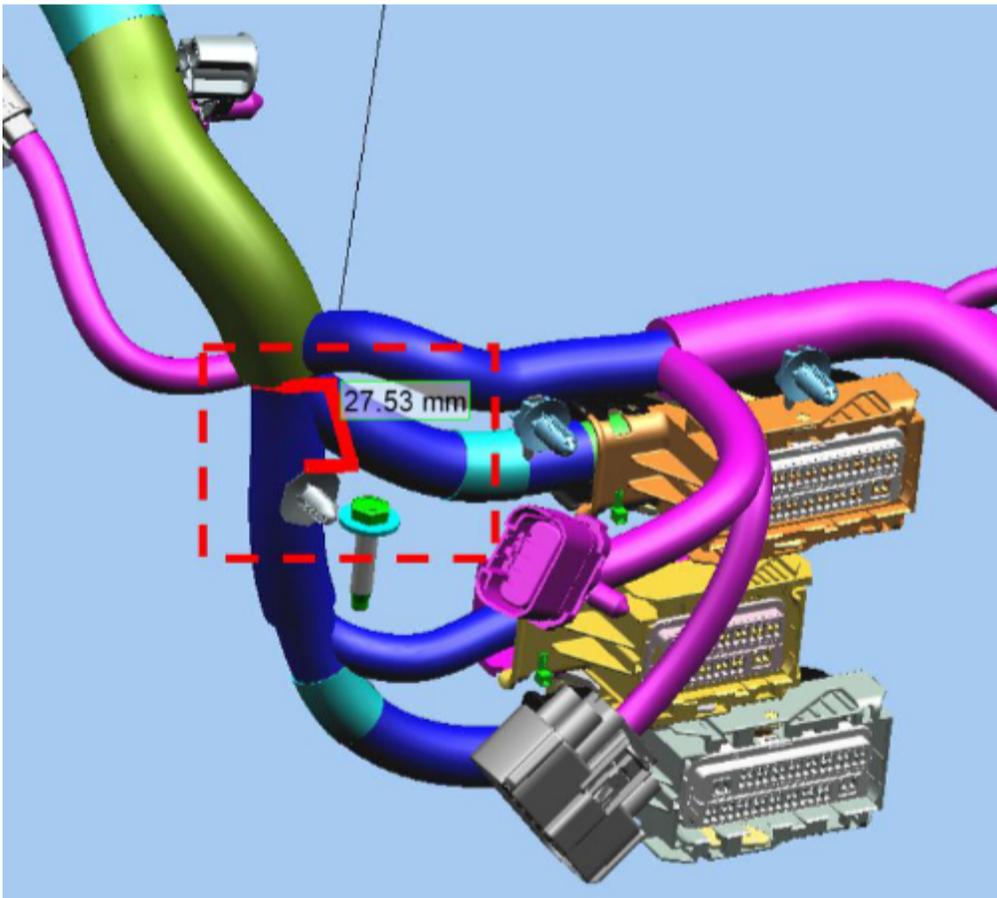
If engine wiring harness contact is isolated during inspection, use a seam ripper type tool to carefully inspect for internal wiring damage.

If found, repair the damaged wiring following the SI wire to wire repair procedures.

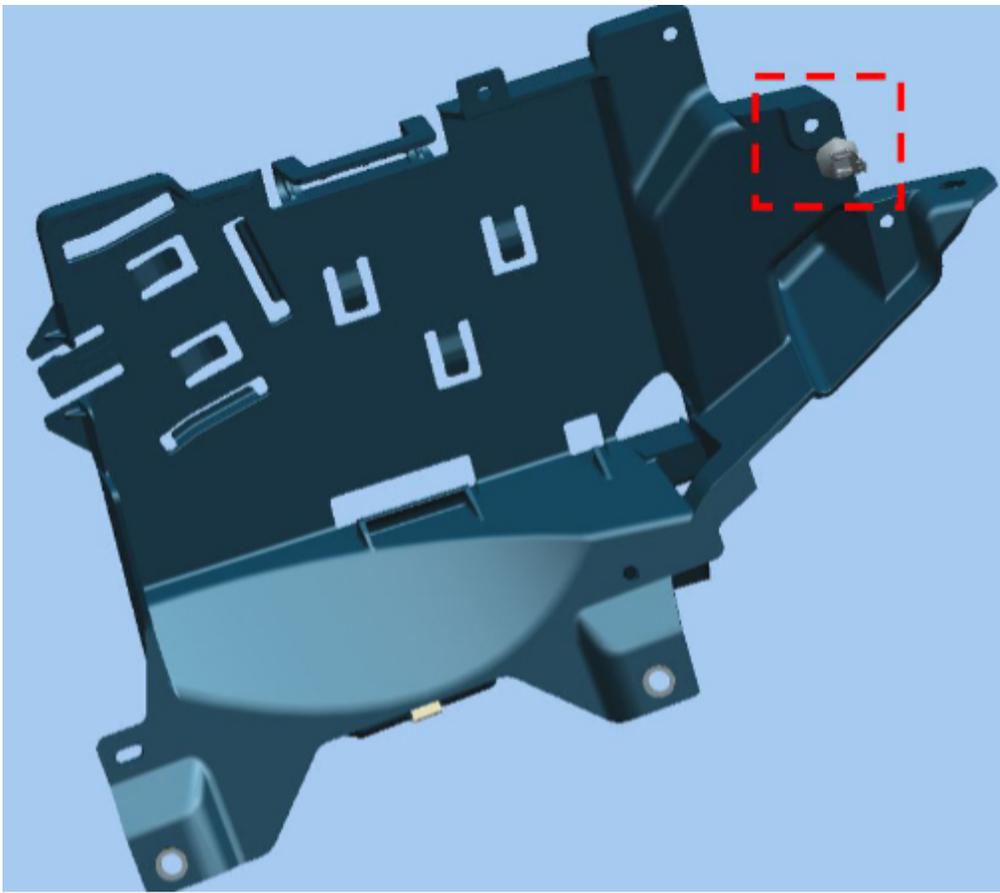
Once the engine wiring harness inspections or repairs have been made, perform the following updates to the engine wiring harness.

Protect the engine wiring harness from future damage at the ECM Bracket.

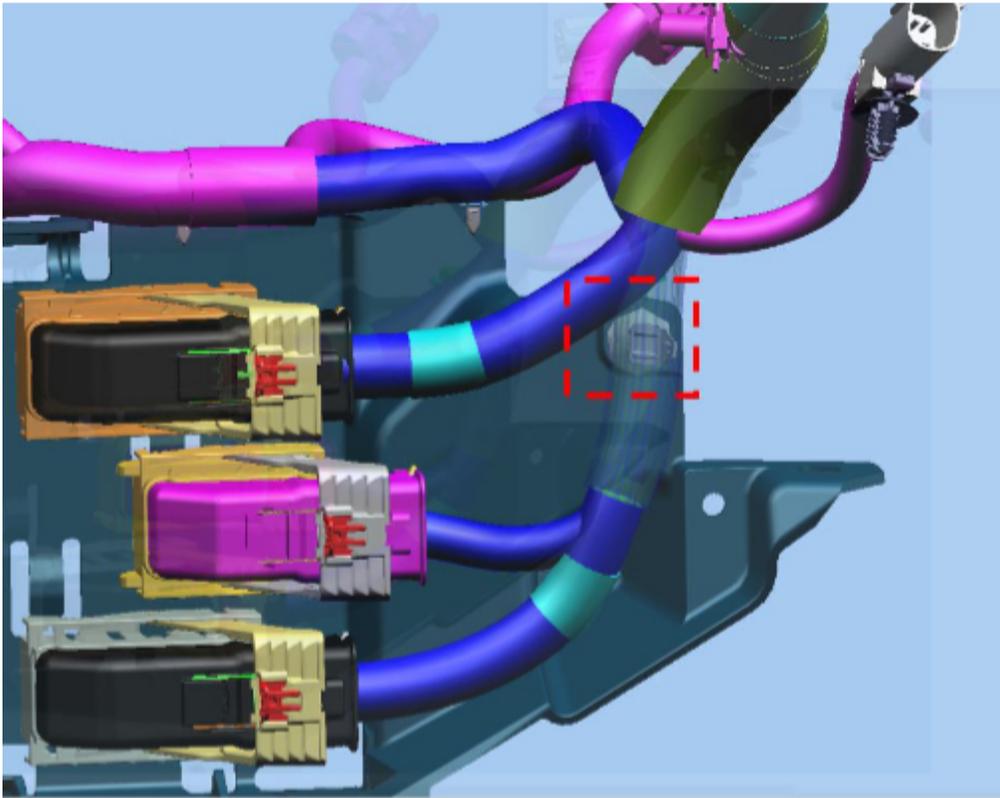
Install a Zip Tie Fir Tree Clip GM PN 84659133 or 84677081, 28 millimeters below the branch break out from above as shown below.



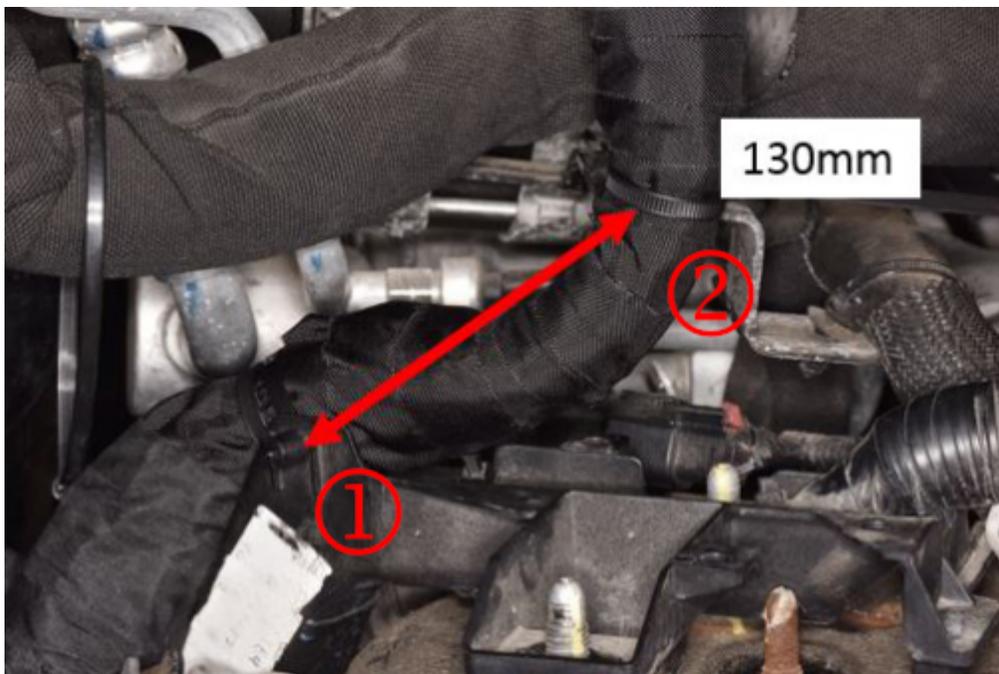
Insert the Zip Tie style Fir Tree Clip into the location shown below in the ECM Mounting Bracket.



Zip Tie Fir Tree Clip installed securing the harness as show below.



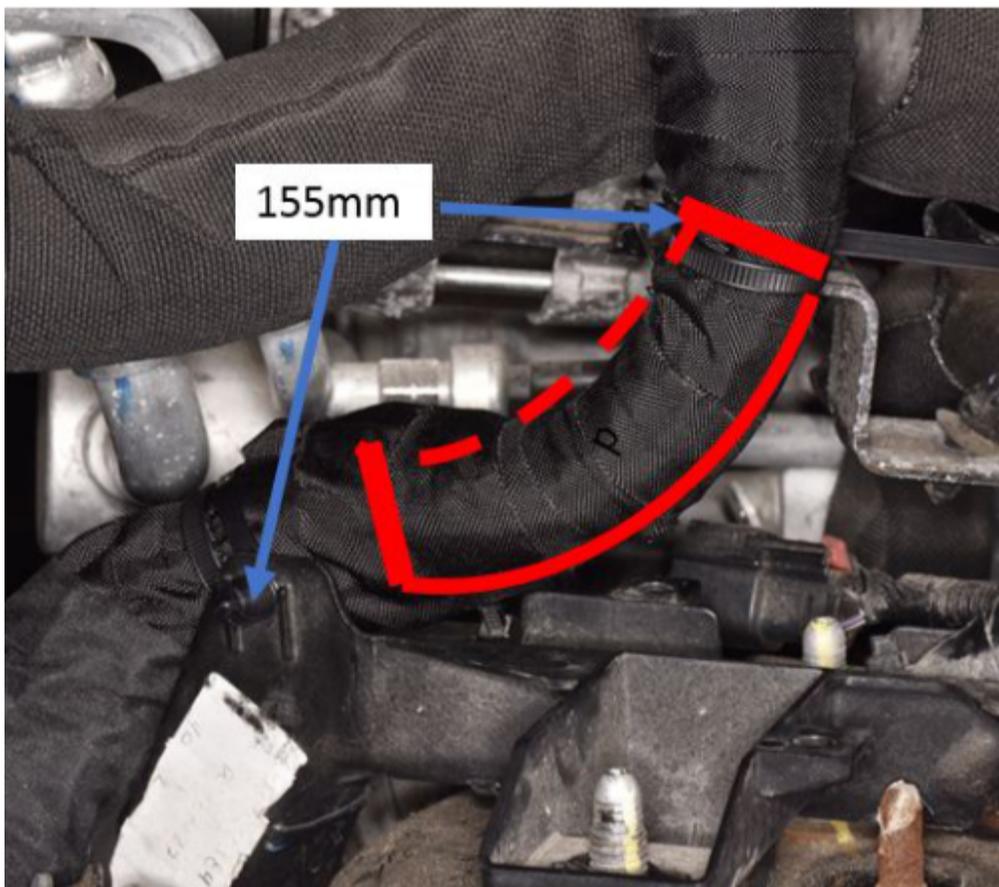
Protect the engine wiring harness from future damage at Generator Bracket. Zip Tie style Fir Tree Clips are located on the plastic Channel at #1 and on the Generator Bracket at #2 shown below.



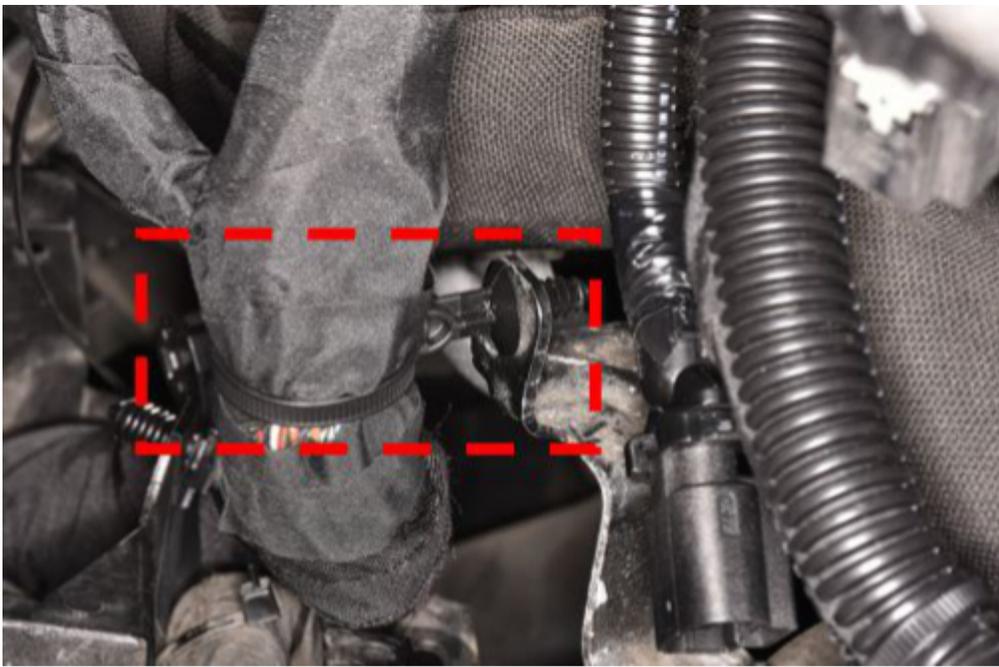
Measure up 155 mm from the Zip Tie style Fir Tree Clip located on the plastic Channel.

Install the Kevlar Velcro Sleeve PN 84820678 155 mm up the engine wiring harness as shown below to ensure that the sleeve extends 25mm above the Zip Tie style Fir Tree Clip located at the Generator Bracket as shown below.

Tape both ends of the Kevlar Velcro Sleeve with Woven Polyester (PET) Electrical/Anti-Abrasive Tape using KENT® AUTOMOTIVE 1089482 to secure in place.

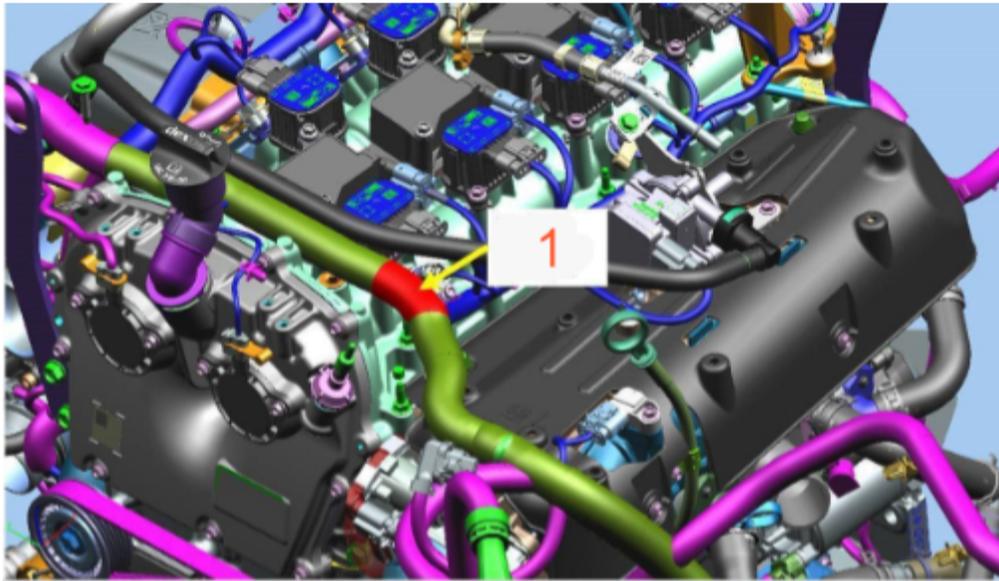


Install the updated Zip Tie style Fir Tree Clip GM PN 13596790 in the Generator Bracket as shown below.



Protect the engine wiring harness from future damage at the top of the Camshaft Carrier Cover in the area shown below (1).

Install Kevlar Velcro Sleeve PN 84826758 and tape both ends with Woven Polyester (PET) Electrical/Anti-Abrasive Tape using KENT® AUTOMOTIVE 1089482 to secure in place.



### Parts Information

Part Number	Description	Quantity
KENT® AUTOMOTIVE 1089482	Woven Polyester (PET) Electrical/Anti-Abrasive Tape	1
84389052 or 84677081	ECM BRACKET CLIP	1
84820678	KEVLAR VELCRO SLEEVE	1
84826758	KEVLAR VELCRO SLEEVE	1
13596790	GENERATOR BRACKET CLIP	1

### Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Time
5480728	Inspect Harness for Chafing and damage and repair	1.2 Hrs.

### Additional SI Keywords

C15AA, P171B, P281B, P001A, P2B00, P2B01, P2B03, P2B96, P001B, P003D, P0107, P018C, P01E5, P01E6, P01E7, P0237, P0300, P0340, P0341, P0355, P0365, P037C, P03F0, P0480, P06DA, P06DB, P06DD, P0621, P0622, P0521, P0522, P0532, P0P0616, P0691, P0692, P0711, P0712, P077C, P07BF, P0707, P0960, P0962, P0963, P0964, P0966, P0967, P0968, P0970, P0971, P1101, P112F, P146D, P159F, p16A0, p16A2 , P176C, P2122, P26E5, P2812, P2814, P2B53, P2C05, P2C08, P2C09, P2C0C, P2C0D, P2C10, P2C12, P2C15, P2C16, P2C19, P305E, P3084, P3089, P308E,

P3093, P3094, P3095, P3098, P30B0, P30B3, P30CF, P0010, P0011, P0013, P0014, P0016, P0017, P001A, P001B, P001C, P002A, P002B, P002C, P0030, P0031, P0032, P0033, P0033, P0034, P0035, P0036, P0037, P0038, P0054, P0068, P0089, P0090, P0091, P0092, P0096, P0097, P0098, P0099, P00C6, P00C8, P00C9, P00CA, P00E9, P00EA, P00EB, P00EC, P00F4, P00F5, P00F6, P0101, P0102, P0103, P0106, P0107, P0108, P0111, P0112, P0113, P0114, P0117, P0118, P0119, P0121, P0121, P0122, P0122, P0123, P0123, P0131, P0131, P0132, P0132, P0135, P0137, P0141, P015A, P015A, P015B, P015B, P0182, P0183, P0187, P0188, P018C, P018D, P0191, P0192, P01E5, P01E6, P01E7, P0201, P0202, P0204, P0222, P0222, P0223, P0223, P0237, P0238, P0245, P0246, P0261, P0262, P0264, P0265, P0267, P0268, P0270, P0271, P0324, P0325, P0326, P0327, P0328, P0330, P0331, P0332, P0333, P0335, P0340, P0341, P0351, P0352, P0353, P0354, P0365, P0366, P03EC, P03ED, P03EE, P03F1, P03F2, P03F3, P0443, P0449, P0451, P0452, P0453, P0454, P0458, P0459, P0498, P0499, P057B, P057D, P057D, P057E, P0606, P0641, P0650, P0651, P0685, P0686, P0687, P0689, P0690, P0697, P06A3, P06B6, P06B7, P1007, P1029, P102A, P102B, P1038, P103A, P103B, P103C, P1096, P1097, P109F, P10A0, P10A1, P10A2, P10E8, P1101, P111F, P1176, P1177, P1178, P1179, P118A, P11C9, P1248, P1249, P124A, P124B, P126E, P126F, P127C, P128A, P128B, P129D, P135A, P1469, P146A, P146D, P146E, P148E, P148F, P157A, P1682, P16A0, P16A0, P16A1, P16A1, P16A2, P16A2, P16A7, P16AF, P16B3, P16D7, P16D8, P16D9, P16E4, P16E5, P20C5, P20C8, P2088, P2089, P2090, P2091, P2122, P2123, P2127, P2128, P2135, P2135, P2138, P2147, P2148, P2150, P2151, P2153, P2154, P2156, P2157, P2184, P2185, P2186, P2227, P2228, P2229, P2230, P2237, P2237, P223C, P223C, P223E, P223E, P2243, P2243, P2, P2251, P227C, P227D, P227E, P228C, P228D, P2300, P2301, P2303, P2304, P2306, P2307, P2309, P2310, P2626, P263A, P263B, P26B7, P2718, P2720, P2721, P2727, P2729, P2730, P281D, P281E, P2736, P2738, P2739, P2812, P2814, P2815, P2824, P2826, P2827, P2AB8, P2AB9, P2AFE, P2AFF, P2B2D, P2B2E, P2B33, P2B34, P2B35, P2B39, P2B39, P2B3B, P2B81, P2B93, P2BB4, P2BB5, P2BB8, P2BB9, P2BBA, P2C05, P2C06, P2C07, P2C08, P2C09, P2C0A, P2C0B, P2C0F, P2C10, P2C12, P2C13, P2C14, P2C15, P2C16, P2C17, P2C18, P2C19, P2C9B, P30CE, P3080, P3081, P3082, P3085, P3086, P3087, P308A, P308F, P3091, P3094, P3095, P3096, P3099, P309B, P30B0, P30B1, P30B2, P30B3, P30BE, P30BF, P30C2, P30C3, P30C6, P30C7, P30CA, P30CB, PIT5677, PP308C, U0073, U0617, U060F, U0644, U111A, U1346,

## Version History

Version	6
Modified	<p>04/29/2019 - Created on.</p> <p>08/26/2019 - Updated to add fuse information, keywords, labor op, pictures, and diagnostic / repair direction.</p> <p>09/27/2019 - Updated to add additional keywords - codes.</p> <p>03/24/2020 - Updated to add 2020 model year vehicles.</p> <p>01/07/2021 - Updated to add 2021 model year vehicles.</p> <p>04/21/2021 - Updated to add instructions for adding Kevlar Velcro Sleeve and zip tie style flr tree clips.</p>

