

Special Coverage Adjustment

18236 Exhaust Turbocharger Outlet Pipe Failure



Reference Number: N182155020

Release Date: September 2018
Revision: 00

Make	Model	Model Year		RPO	Description
		From	To		
Chevrolet	Silverado	2015	2016	LML	Diesel Engine
GMC	Sierra	2015	2016	LML	Diesel Engine

Involved vehicles are identified on the Applicable Warranties section in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

Condition	On some 2015-2016 model year Chevrolet Silverado and GMC Sierra vehicles, equipped with the LML (DURAMAX 6.6L V8 TURBO Diesel) engine, the exhaust turbocharger outlet pipe may have a bad weld. Smoke may be noticed from under the hood at a stop or while driving. The customer may also smell exhaust gas.
Special Coverage Adjustment	<p>This special coverage covers the condition described above for a period of 5 years or 100,000 miles (160,000 km), whichever occurs first, from the date the vehicle was originally placed in service, regardless of ownership.</p> <p>For vehicles covered by Vehicle Service Contracts, all eligible claims with repair orders on or after September 28, 2018, are covered by this special coverage and must be submitted using the labor operation codes provided with this bulletin. Claims with repair orders prior to September 28, 2018, must be submitted to the Service Contract provider.</p> <p>Vehicle owners or lessees who paid for repairs referenced in this Special Coverage ("Customers") are eligible for reimbursement of their reasonable and customary expenses in accordance with the procedures specified below. The conditional right to reimbursement is provided by GM solely in the interest of customer satisfaction and is personal to Customers. <i>Customers may not assign and GM does not consent to any assignment of any Customer's right to submit reimbursement claims, or to receive reimbursement, or any other rights granted by this Special Coverage to any third party, including but not limited to service contract providers, and this Special Coverage is not intended to and does not confer any third party beneficiary, subrogation or contribution rights, or any other rights to reimbursement, against GM, whether in law, equity or otherwise, on any third parties.</i></p>
Correction	Dealers are to replace the exhaust turbocharger outlet pipe. The repairs will be made at no charge to the customer.

Parts

Quantity	Part Name	Part No.
1	EXH TURBO OTLT PIPE	12674630
1	SEAL	23250077
1	GASKET	15126137
1	BOLTS	11611988
1	ANTI-SEIZE	88862477 (Canada 88862478)
1	THREAD LOCKER	19332211 (Canada 10953488)

It is estimated that only 2% involved vehicles will require parts replaced. **Due to the small number of vehicles anticipated that will need this fix and the limited initial parts availability, dealers are encouraged not to order these parts for use as shelf stock.**

Reminder: Parts may be removed from Retail Inventory Management (RIM). Dealers should review the affected parts to confirm RIM managed status. Parts may have quantity limiters in effect.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9900555	Replace Turbo Outlet Pipe Adapter	4.5	ZREG	N/A
9900556	Customer Reimbursement Approved - For USA and Canada dealers only	N/A	ZREG	*

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	- For Export dealers only	0.2		
9900557	Customer Reimbursement Denied – For USA dealers only	N/A	ZREG	**

* For USA and Canada: Submit the dollar amount reimbursed to the Customer in Net/Reimbursement. Submit \$20.00 administrative allowance in Net/Admin Allowance.

For Export: Submit the dollar amount reimbursed to the Customer in Net/Reimbursement.

**Submit \$10.00 administrative allowance in Net/Admin Allowance.

Service Procedure

Note: Follow the procedure below - ESI and LTG will be updated in the near future with updated information.

1. Open hood and install fender covers.
2. Disconnect the negative battery cable.
3. Remove the upper intake manifold cover. Refer to *Upper Intake Manifold Cover* in SI.
4. Remove the air cleaner outlet duct clamps.
5. Remove the air cleaner outlet duct.
6. Disconnect the charge air cooler outlet pipe from the throttle body and set aside.
7. Disconnect the intake air heater cable nut.
8. Disconnect the intake air heater cable.
9. Disconnect the intake air heater connector.
10. Disconnect the throttle body connector.
11. Disconnect the MAP sensor connector.
12. Remove the wire harness retainers from the intake manifold tube.
13. Remove the intake manifold tube. Refer to *Intake Manifold Tube Replacement* in SI.
14. Remove the intake manifold tube seal from the intake manifold.
15. Disconnect the fan clutch electrical connector and remove from bracket.
16. Loosen the fan clutch bolt from pulley.
17. Remove the cooling fan to engine shroud upper bolts.
18. Remove the cooling fan to shroud lower left bolt.
19. Raise and support the vehicle.
20. Remove the underbody splash shield bolts.
21. Remove the push pin from the underbody splash shield and remove splash shield.
22. Remove the cooling fan to engine shroud lower bolt.
23. Lower the vehicle.
24. Reposition the cooling fan to engine shroud (forward into the radiator fan shroud).
25. Remove the crankcase depression regulator valve fasteners and bracket.
26. Remove the PCV (CDR) assembly from the air inlet adaptor.
27. Remove electrical connection retainers from the turbo vane control.
28. Remove the clamp and remove the air inlet adaptor.
29. Disconnect electrical and remove the exhaust temperature sensor POS 1.
30. Remove the NOX sensor from turbo outlet pipe adaptor.
31. Raise and support the vehicle.
32. Remove the transmission mount to crossmember nuts.

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33. Raise the rear of the transmission with transmission jack and support with a piece of wood.
34. Remove the transmission jack.
35. Partially lower the vehicle.
36. Remove the right front wheel and tire assembly.
37. Remove the front wheel liner fasteners and remove wheel liner.
38. Lower the vehicle.
39. Remove the right exhaust manifold outlet pipe heat shield bolts.
40. Remove the right exhaust manifold outlet pipe heat shield.
41. Remove the right exhaust manifold outlet pipe nuts at EGR cooler.
42. Remove the EGR feed pipe bolt at the EGR cooler bypass valve.
43. Partially raise the vehicle.
44. Remove the indirect injector fitting from the exhaust outlet pipe.
45. Lower the vehicle.
46. Remove the turbocharger heat shield bolts.
47. Remove the turbocharger heat shield.
48. Remove the exhaust turbocharger outlet pipe adaptor band clamp from the turbo and separate the pipe from turbo.
49. Raise the vehicle.
50. Remove the front exhaust pipe hanger insulator assembly nuts.
51. Remove the front hanger bolt and hanger bracket stud.
52. Remove the front exhaust pipe hanger insulator while lifting the bracket.
53. Remove the front exhaust pipe hanger bracket.
54. Raise and support the transmission with a transmission jack.
55. Remove the transmission crossmember nuts.
56. Remove the transmission crossmember bolts.
57. Remove the transmission crossmember.
58. Disconnect the engine harness connector, the emission reduction fluid injector connector and temperature sensor.
59. Remove the catalytic converter flange nuts and discard gasket.
60. Remove the catalytic converter to diesel particulate filter nuts and discard gasket.
61. Remove the catalytic converter assembly.
62. Position the transmission crossmember and loosely install bolts.
63. Support the transmission with a transmission jack and install a block of wood.
64. Partially lower the vehicle.
65. Disengage the DEF fill tube retainers from the front of dash and position aside.
66. Remove the turbo outlet pipe adaptor bracket bolt at the exhaust manifold.
67. Remove the turbo outlet pipe adapter and transfer the heat shield to the new outlet pipe adapter.
68. Install turbo outlet pipe adapter.
69. Loosely install the outlet pipe adapter bracket bolt at the exhaust manifold-do not fully tighten.
70. Position the DEF fill tube retainers to front of dash and insert studs.
71. Lower the vehicle.

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72. Clamp the turbo outlet pipe adapter to the turbo.
73. Raise the vehicle.
74. Torque the outlet pipe adapter bracket bolt at exhaust manifold to 34 Nm (25 lb ft).
75. Lower the vehicle.
76. Install the exhaust turbo outlet pipe adapter band clamp to turbo and remove clamp.
77. Torque the turbo outlet pipe adapter band clamp to 10 Nm (88 lb in).
78. Install the turbocharger heat shield.
79. Install turbocharger heat shield bolts and torque to 10 Nm (88 lb in).
80. Install the right exhaust manifold outlet pipe heat shield bolts.
81. Support the transmission with transmission jack.
82. Remove the transmission crossmember bolts and crossmember.
83. Install the catalytic converter assembly with new gasket.
84. Install catalytic converter to diesel particulate filter nuts with new gasket.
85. Torque the catalytic converter to diesel particulate filter nuts to 45 Nm (33 lb ft).
86. Install the catalytic converter flange nuts with new gasket and torque to 25 Nm (18 lb ft).
87. Connect the engine harness connector, emission reduction fluid injector connector and temperature sensor (include clip to the frame).
88. Install the transmission crossmember and bolts.
89. Install the transmission crossmember nuts and torque to 120 Nm (89 lb ft).
90. Install the front exhaust pipe hanger bracket.
91. Install the front exhaust pipe hanger insulator while lifting bracket.
92. Install the front exhaust pipe hanger bolt and bracket stud and torque to 25 Nm (18 lb ft).
93. Install front exhaust pipe hanger insulator assembly nuts.
94. Lower the rear of the transmission.
95. Install transmission mount nuts.
96. Partially lower the vehicle.
97. Install the indirect injector fitting to the exhaust outlet pipe and torque to 45 Nm (33 lb ft).
98. Install the exhaust temperature sensor and connect electrical.
99. Install NOX sensor to turbo outlet pipe adapter and torque to 45 Nm (33 lb ft).
100. Install intake manifold bolts and torque to 25 Nm (18 lb ft).
101. Install intake manifold tube bolt and torque to 25 Nm (18 lb ft).
102. Install intake manifold tube bolts and torque to 25 Nm (18 lb ft).
103. Install wiring harness retainer to intake manifold tube.
104. Connect MAP sensor, throttle body and intake air heater connectors.
105. Install turbo bracket.
106. Install air inlet adapter and torque clamp to 10 Nm (88 lb in).
107. Install PCV assembly and bracket.
108. Install crankcase depression regulator valve fasteners and torque to 10 Nm (88 lb in).
109. Install new intake manifold tube seal into intake manifold.
110. Install intake tube to engine.

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111. Install intake manifold tube bolt and torque to 6 Nm (53 lb in).
112. Connect intake air heater cable and nut and torque to 9 Nm (80 lb in).
113. Reposition cooling fan and engine shroud.
114. Install fan clutch to pulley loosely.
115. Install cooling fan to engine shroud upper bolts and lower left bolt loosely.
116. Partially raise vehicle.
117. Install cooling fan to engine shroud lower bolt and torque to 8 Nm (70 lb in).
118. Lower vehicle.
119. Torque cooling fan to engine shroud upper bolts and lower left bolt to 8 Nm (70 lb in).
120. Torque fan clutch to pulley to 100 Nm (73 lb ft).
121. Connect fan clutch electrical connector and install to bracket.
122. Connect charge air cooler outlet pipe to throttle body.
123. Install air cleaner outlet duct and clamp.
124. Install upper intake manifold cover.
125. Install upper intake manifold cover bolt and torque to 6 Nm (53 lb in).
126. Partially raise vehicle.
127. Install push pin to underbody splash shield and install splash shield.
128. Install underbody splash shield bolts and torque to 20 Nm (177 lb in).
129. Install the right front wheel liner and fasteners and torque to 2.5 Nm (22 lb in).
130. Install the front wheel and tire assemblies.
131. Lower the vehicle.
132. Connect the battery cables.
133. Perform DPF regeneration enable.
134. Road test the vehicle.

Courtesy Transportation – For USA & Canada

Courtesy transportation is available for Customers whose vehicles are involved in a product program and still within the warranty coverage period. See General Motors Service Policies and Procedures Manual, Sections 1.4 and 6.1.10, for courtesy transportation program details.

Customer Notification

General Motors will notify Customers of this special coverage on their vehicle (see copy of typical Customer letter included with this bulletin).

Customer Reimbursement

Customer requests for reimbursement of previously paid repairs to correct the condition described in this bulletin are to be submitted to the dealer prior to or by October 31, 2019. See General Motors Service Policies and Procedures Manual, Section 6.1.11 – Product Field Action Customer Reimbursement Procedure (USA & Canada) or local Policies and Procedures, for details.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the tools, equipment, safety instructions, and know-how to do a job properly and safely. If a condition is described, **DO NOT** assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your dealer for information on whether your vehicle may benefit from the information.



**We Support
Voluntary Technician
Certification**

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October 2018

This notice applies to your vehicle, **VIN:** _____

Dear General Motors Customer:

As the owner of a 2015 or 2016 model year Silverado or Sierra, your satisfaction with our product is very important to us.

This letter is intended to make you aware that some 2015 or 2016 model year Silverado or Sierra vehicles, equipped with DURAMAX 6.6L V8 TURBO Diesel engine where the exhaust turbocharger outlet pipe may have a bad weld. Smoke may be noticed from under the hood at a stop or while driving. The customer may also smell exhaust gas.

Do not take your vehicle to your GM dealer as a result of this letter unless you believe that your vehicle has the condition as described above.

What We Have Done: General Motors is providing owners with additional protection for the condition described above. If this condition occurs on your 2015 or 2016 model year Silverado or Sierra within 5 years of the date your vehicle was originally placed in service or 100,000 miles (160,000 km), whichever occurs first, the condition will be repaired for you at **no charge**. Diagnosis or repair for conditions other than the condition described above is not covered under this special coverage program.

What You Should Do: If you believe that your vehicle has the condition described above, repairs and adjustments qualifying under this special coverage must be performed by a General Motors dealer. You may want to contact your GM dealer to find out how long they will need to have your vehicle so that you may schedule the appointment at a time that is convenient for you. This will also allow your dealer to order parts if they are not already in stock. Keep this letter with your other important glove box literature for future reference.

Reimbursement: If you have already paid for repairs for the condition described in this letter, please complete the enclosed reimbursement form and present it to your dealer with all required documents. Working with your dealer will expedite your request, however, if this is not convenient, you may mail the completed reimbursement form and all required documents to Reimbursement Department, PO Box 33170, Detroit, MI 48232-5170. The completed form and required documents must be presented to your dealer or received by the Reimbursement Department by October 31, 2019, unless state law specifies a longer reimbursement period.

The right to submit reimbursement claims is provided by GM solely in the interest of customer satisfaction and is personal to vehicle owners and lessees who previously paid for repairs referenced in this Special Coverage ("Customers"). **Customers may not assign and GM does not consent to any assignment of any Customer's right to submit reimbursement claims, or to receive reimbursement, or any other rights granted by this Special Coverage to any third party, including but not limited to service contract providers, and this Special Coverage is not intended to and does not confer any third party beneficiary, subrogation or contribution rights, or any other rights to reimbursement, against GM, whether in law, equity or otherwise, on any third parties.**

If you have any questions or need any assistance, please contact your dealer or the appropriate Customer Assistance Center at the number listed below.

Division	Number	Text Telephones (TTY)
Chevrolet	1-800-222-1020	1-800-833-2438
GMC	1-800-462-8782	1-800-889-2438
Puerto Rico – English	1-800-496-9992	
Puerto Rico – Español	1-800-496-9993	
Virgin Islands	1-800-496-9994	

We are sorry for any inconvenience you may experience; however, we have taken this action in the interest of your continued satisfaction with our products.

Neelie O'Connor
Executive Director
North America Contact Center Operations

Enclosure
18236

GLOBAL SAFETY FIELD INVESTIGATIONS
DCS4861
URGENT - DISTRIBUTE IMMEDIATELY

Date: September 28, 2018

Subject: 18236 - Special Coverage
Exhaust Turbocharger Outlet Pipe Failure

Models: 2015-2016 Chevrolet Silverado
2015-2016 GMC Sierra
Equipped with DURAMAX 6.6L Diesel Engine (LML)

To: All General Motors Dealers

General Motors is releasing Special Coverage 18236 today. The total number of U.S. vehicles involved is approximately 215,263. Please see the attached bulletin for details.

Customer Letter Mailing

The customer letter mailing will begin on October 15, 2018.

Global Warranty Management (GWM)

The Investigate Vehicle History (IVH) screen in the GWM system will be updated September 28, 2018. A list of involved vehicles is attached to this message. Please hold all warranty transactions until IVH has been updated.

END OF MESSAGE
GLOBAL SAFETY FIELD INVESTIGATIONS