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6L80 Thermostat Bypass Kit

Transmission Cooler Line Thermostatic Valve Bypass Kit

1061530

2014-2018 GM Trucks (see fitment guide)

Detailed Vehicle Fitment

Cadillac	2014	2015	2016	2017	2018	2019	2020
Escalade; 6.2L V8	N/A	✓	✓	✓	✓	✓	✓
Escalade ESV; 6.2L V8	N/A	✓	✓	✓	✓	✓	✓
Chevrolet							
Silverado 1500; 4.3L V6	✓	✓	✓	✓	✓	N/A	N/A
Silverado 1500; 5.3L V8	✓	✓	✓	✓	✓	N/A	N/A
Silverado 1500; 6.2L V8	✓	✓	✓	✓	✓	N/A	N/A
Suburban; 5.3L V8	✓	✓	✓	✓	✓	✓	✓
Suburban; 6.2L V8	✓	✓	✓	✓	✓	✓	✓
Tahoe; 5.3L V8	✓	✓	✓	✓	✓	✓	✓
Tahoe; 6.2L V8	✓	✓	✓	✓	✓	✓	✓
GMC							
Sierra 1500; 4.3L V6	✓	✓	✓	✓	✓	N/A	N/A
Sierra 1500; 5.3L V8	✓	✓	✓	✓	✓	N/A	N/A
Sierra 1500; 6.2L V8	✓	✓	✓	✓	✓	N/A	N/A
Yukon; 5.3L V8	✓	✓	✓	✓	✓	✓	✓
Yukon; 6.2L V8	✓	✓	✓	✓	✓	✓	✓

Kit Contents

1061530 Kit Content			
1300582	1453171	1453170	1453153
			
Bypass Block Qty: 1	Bypass Block Gasket Qty: 1	Magnetic Plug Qty: 1	O-Ring Qty: 2

Introduction

The stock cooler bypass valve allows transmission fluid to bypass the cooler and directly return to the transmission to quickly warm up the fluid. The problem is that debris from the transmission can jam the internal valve keeping the valve in the recirculation mode. When this happens the transmission temperature will rise and can lead to overheating and premature transmission failure.

Tools Required for Installation

- 3/16 hex bit socket
- 10mm socket
- 10mm wrench
- 13mm socket
- 13mm wrench
- Ratchet
- Torque wrench

Installation

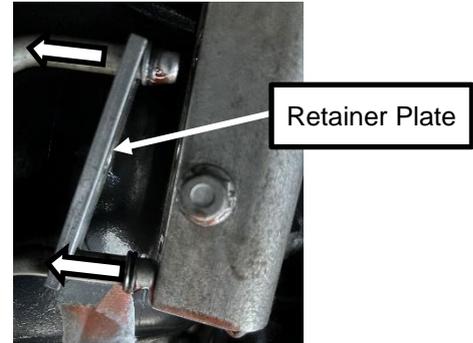
Raise and support the vehicle on a hoist or using jack stands.
Place a drain pan below the work area to catch any fluid spilled.

Using a **10mm** wrench, remove the transmission fluid cooler pipe retaining bolt from the thermostat block.



Pull out the cooler lines from the thermostat block.

Note: Keep the retainer plate as it will be reused.



Using a **13mm** wrench, remove the thermostat block bolt from the transmission.



Remove the thermostat block and gasket from the transmission.



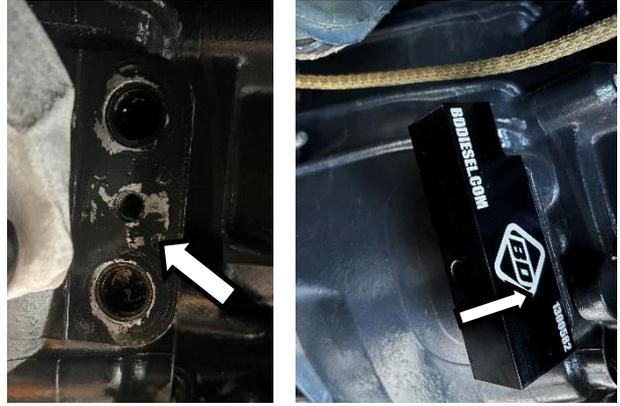
Using a **3/16"** Hex bit, install the magnetic drain plug (1453160) into the bypass block.

Torque to **9 N-m (7 ft-lbs)**.

Install the block gasket (1453171).



Clean the block gasket surface on the transmission, and install the bypass block with the plug upward.



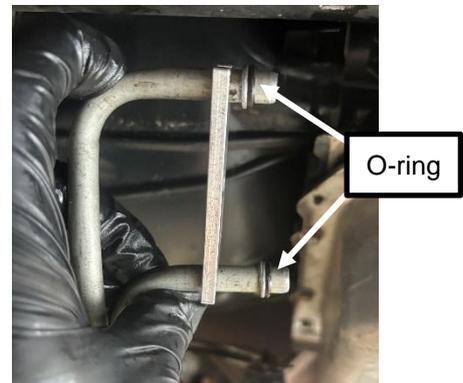
Using a **13mm** socket, install the thermostat block bolt into the transmission.



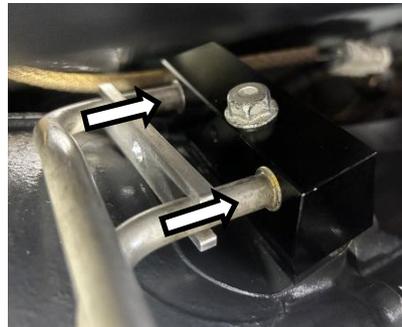
Torque to **22 N-m (16 ft-lbs)**.

Remove the cooler line O-rings and clean the line ends.

Replace the O-rings with the supplied ones (1453153).



Insert the cooler lines into the bypass block.



Using a **10mm** socket, install the transmission fluid cooler pipe retaining bolt through the retaining plate and into the bypass block.

Torque to **9 N-m (7 ft-lbs)**.



Correct transmission fluid level and check for leaks.