



Service Bulletin

File in Section: -

Bulletin No.: PIT5292B

Date: September, 2014

PRELIMINARY INFORMATION

Subject: Poor A/C Performance During High Ambient Temperatures (New A/C Refrigerant Charge Amount)

Models: 2015 Cadillac Escalade Models
2015 Chevrolet Suburban, Tahoe
2015 GMC Yukon Models
Built prior to 6/26/2014

This PI was superseded to update Recommendation/Instructions. Please discard PIT5292A.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

Note: ALL 2015 FULL SIZE UTILITIES REQUIRE A NEW REFRIGERANT CHARGE AMOUNT OF 2.02 lb (920 g).

Some owners may comment that the A/C has poor performance during high ambient temperatures. When using GDS2 to review A/C compressor disengage reasons, it may indicate an A/C high pressure issue. This concern could be caused one of the following issues:

1. A/C refrigerant may have the incorrect charge.
2. A/C high side pressure sensor connector not fully seated or poor terminal tension

Note: On 2015 Escalade, Yukon and Tahoe models with ONLY a rear a/c issue, please reference the latest version of PIT5290.

Recommendation/Instructions

Important: After the A/C refrigerant has been recovered in Step 1, please record the recovered amount on the RO.

1. Check the A/C refrigerant charge and record the recovered amount on the RO. New system capacity is 2.02 lbs (920 g). If system charge is found to be incorrect, recharge system to new specification of 2.02 lbs (920 g) and reevaluate. (The a/c system performance tables in SI have been updated to reflect the new refrigerant specification of 2.02 lbs (920 g). Please utilize these tables during the reevaluation.) This will correct the majority of the issues, but if the condition is not corrected, continue with the next step.

Note: Allow the A/C refrigerant recovery and recharging equipment to fully complete its recovery cycle before recharging. When pulling a vacuum on the A/C system, the rubber A/C hoses may collapse and this is normal.

2. Check the A/C high side pressure sensor connector for proper terminal tension and to make sure that it is fully connected. Connect a set of A/C pressure gages to the vehicle and open GDS2. Compare the high side pressure gage reading to the A/C high side pressure sensor reading in GDS2. Monitor the pressure when first connected to the vehicle while the system is off, and also while the A/C is operating. The high side gage reading and the data displayed in GDS2 should read relatively close. If the readings vary greatly repair as needed.

For vehicles repaired under warranty, use:

The correction for this concern may be one of several repairs described above. For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the actual cause and repair.

ADDITIONAL SI KEYWORDS:

AC air blow blows cold compressor condition conditioning front hot HVAC P0532 P0533 rear sensor side warm
Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.