

Subject
2017+ Ford 6.7 L Throttle Control Adjustment

System or Parts affected

- VMAC Throttle Control (P/N: 3560243)
 - V900140 - VR70, FORD 6.7L F250-F550 2017+
 - V910020 - VR150, FORD 6.7L F250-F550 2017+
 - DM00011 - DTM70, FORD 6.7L F250-F550, 2017+

Overview

Though the VMAC Throttle Control (P/N: 3560243) is applicable to the 2017+ Ford models shown above, Ford's 2018 throttle setup is slightly different than the 2017. The P/N: 3560243 Throttle Control is now delivered with settings for the 2018 Model Year.

NOTE 2017 vehicles will require adjustments to the Throttle Control prior to initial testing.

Throttle Control Adjustment for 2017 Model Year Trucks

- Locate the "MAX RPM" and "VR IDLE" adjustment screws located on the Throttle Control (Figure 1).

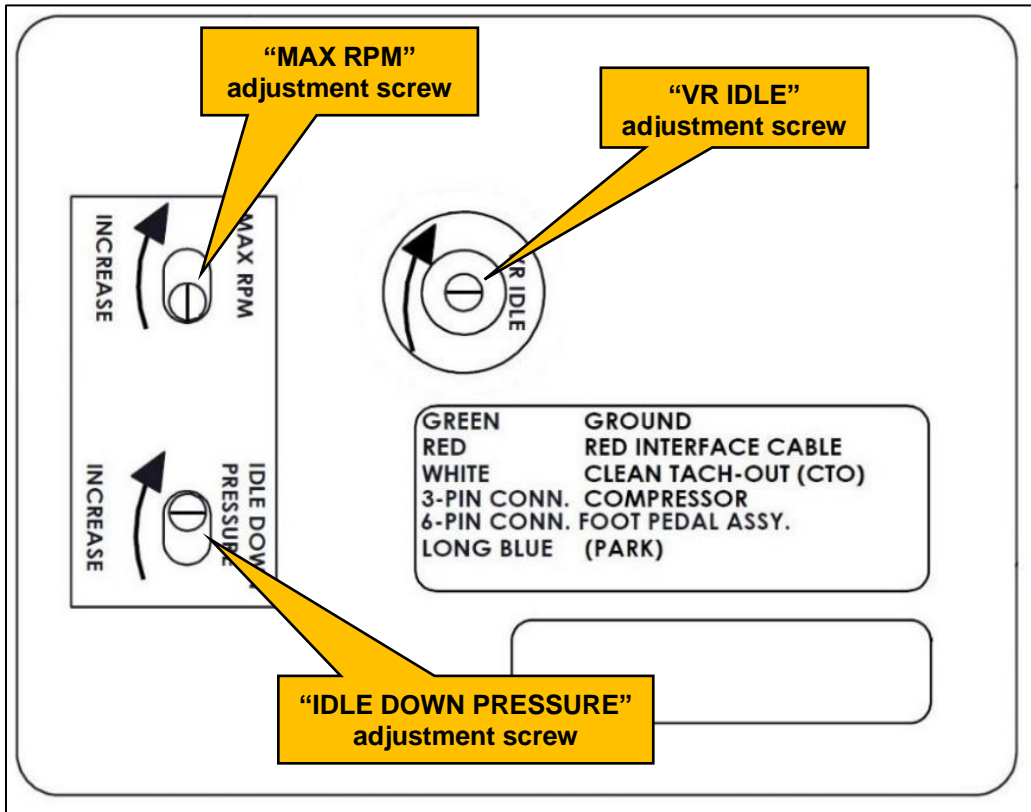


Figure 1

- Using a mini slot screwdriver, rotate the "MAX RPM" adjustment screw 5 full turns counterclockwise.
- Using a mini slot screwdriver, rotate the "VR IDLE" adjustment screw 7 full turns counterclockwise.

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Verification of VRTC Setup After Installation

- With the engine running, engage the VMAC compressor system. Ensure air outlets are closed and the system builds to a full 150 psi. Engine rpm should drop to approximately 1,000 rpm +/- 100 rpm. If the engine speed is slightly high or low, use the “VR IDLE” screw to adjust. Turning the screw clockwise increases the rpm. Turning the screw counter clockwise decreases the rpm.
- Maximum rpm should be adjusted with the A700052 VMAC Test Tool connected to the air outlet.
- Using the VMAC Test Tool, discharge air while maintaining a system pressure of approximately 100 psi. The full cfm output can be achieved at 2,600 rpm. Use the “MAX RPM” adjustemtn screw to adjust the engine rpm up to 2,600 rpm if the system’s maximum cfm output is required. Close the air discharge and verify that the engine returns to approximately 1,000 rpm base idle.

NOTE Refer to the Owner’s Manual for details on the use or the A700052 VMAC Test Tool, or see: http://www.vmacair.com/wp-content/uploads/Manuals/Accessories/A700052_1901042.pdf.



Resetting the Throttle Control

NOTE The following steps can be used to reset the Throttle Control to an approximate factory “tune”.

Clearing the Throttle Control

- With the engine off, rotate the “MAX RPM”, “IDLE DOWN PRESSURE” (IDP) and “VR IDLE” adjustment screws counterclockwise 20 full turns (Figure 128).

NOTE The Throttle Control uses 20 turn adjustment screws, turning the screws past this point will not damage the Throttle Control.

2017 Throttle Tune

- While counting the turns, rotate the adjustment screws:
 - “MAX RPM”: 10 turns clockwise.
 - IDP: 15 1/2 turns clockwise.
 - “VR IDLE”: 3 turns clockwise.

2018+ Throttle Tune

- While counting the turns, rotate the adjustment screws:
 - “MAX RPM”: 15 turns clockwise.
 - IDP: 15 1/2 turns clockwise.
 - “VR IDLE”: 10 turns clockwise.

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