



NISSAN VERSA LOSS OF POWER ON INITIAL TAKE-OFF

COMPLAINT: A 2014 Nissan Versa has a complaint of a loss of engine power. If the vehicle is in park or neutral, the engine revs up fine to 2500 rpm. When the vehicle is placed into drive with the brakes applied, the engine rpm will go to 81% throttle opening and will torque up with no power loss issues (figure 1).

The moment the vehicle starts to roll there is an immediate loss of engine power. The scan tool immediately shows the throttle opening is at 3% with no throttle response, meaning the throttle body is in default (figure 2).

If the Transmission Control Module is disconnected, the vehicle will perform normally for a short period of time. When the ABS Module is disconnected the vehicle performs normally.

The shop replaced the transmission from Nissan and the ABS Module but the complaints remained the same.

CAUSE: A stop lamp bulb was burned out and was replaced with the wrong type of stop lamp bulbs for this vehicle.

CORRECTION: The correct stop light bulbs were installed which fixed the vehicle.

17916 bulbs are the correct bulbs for this vehicle. 1157 bulbs were installed causing the problem.

The 1157 bulb and the 17916 bulb may look alike but a close inspection shows that the 1157 uses a coil filament and the 17916 uses a solid wire filament.

The problem may be that the 1157 draws 0.59 amps on high element with the brake applied and the 17916 draws 0.44 amps on high element which produces a different voltage drop between the two bulbs (figure 3).

NISSAN VERSA

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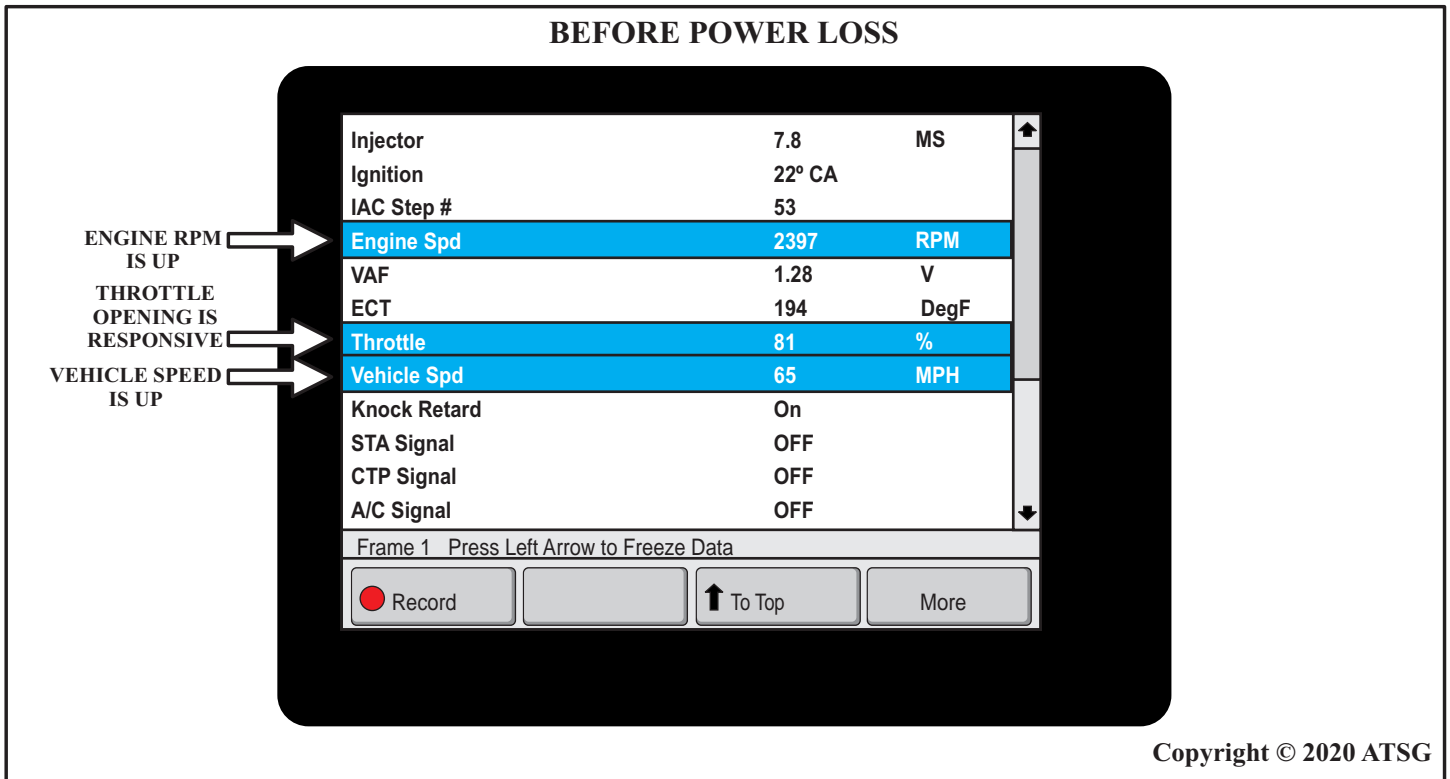


Figure 1

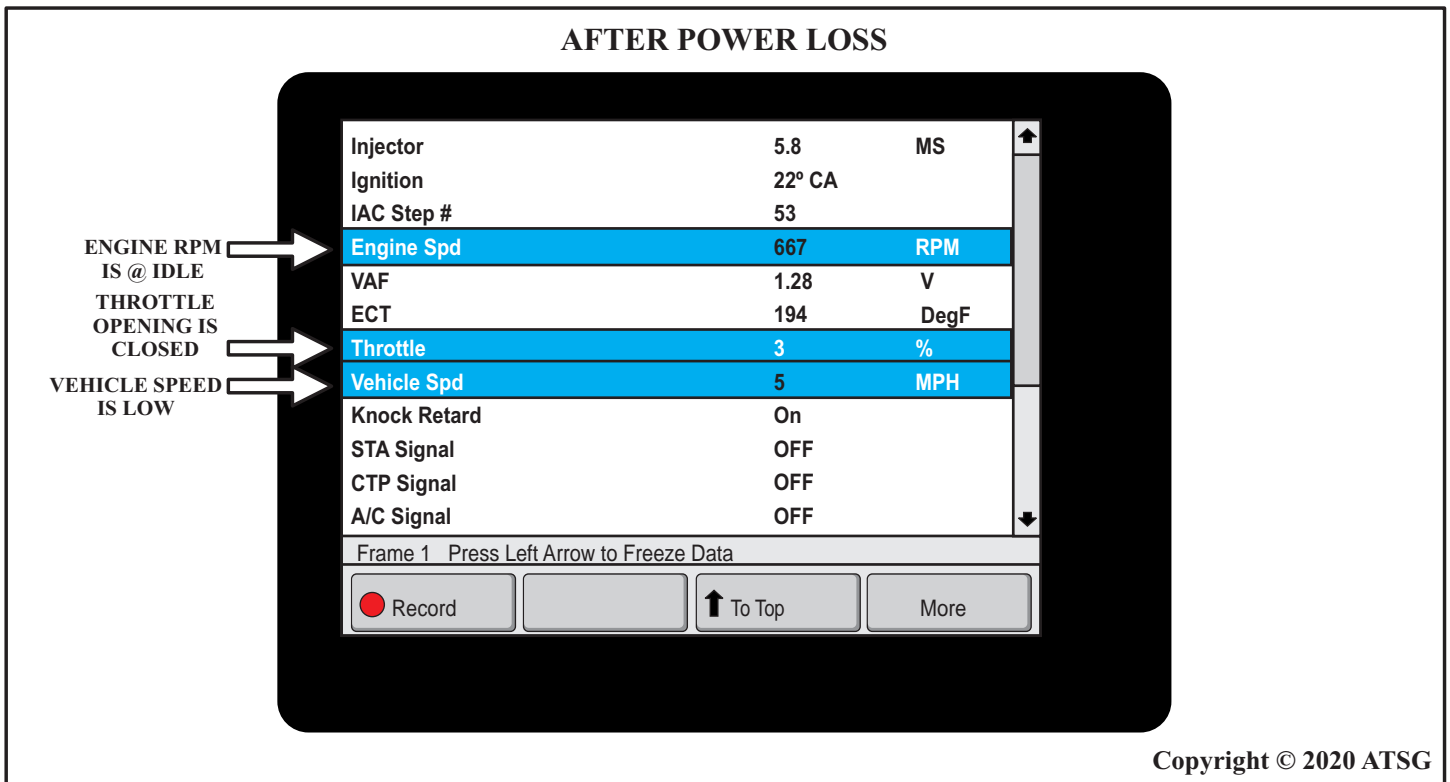
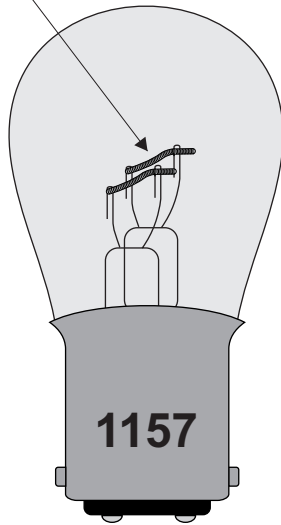


Figure 2

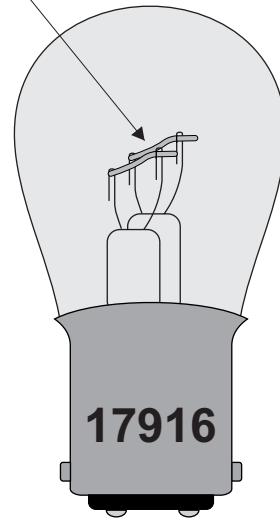
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WOUND FILAMENT



DRAWS 0.59 AMPS ON HIGH ELEMENT

SOLID WIRE FILAMENT



DRAWS 0.44 AMPS ON HIGH ELEMENT

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