



Vehicle Performance Complaint After Setting Road Speed Limits (RSL)



> Internal Content

When ordering the truck with this feature, the customer selects:

- The speed delta between the loaded vehicle speed and the unloaded vehicle speed
- Whether the speed delta is applied to the loaded or unloaded vehicle
 - Note that the speed delta value is always entered as a positive number but is subtracted from the customer's road speed limit.
 - Example: If a customer wants to run 65 mph when light and 62 mph when heavy, the customer would select an RSL (P1AOC) of 65 mph, a delta of 3 mph (P1MG2), and select the delta to apply to heavily loaded truck (P1MG4 and P1MG3).

This is especially useful when combined with XE Adaptive Gearing, which locks out top gear when loaded. While locked into top gear minus one, the customer can limit the vehicle speed to keep the engine rpms low.

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3 new customer parameters

- P1MG2 (Road speed limit difference between loaded and unloaded vehicle)
 - Setting this parameter to '0 mph/kmh' turns the function off.
 - Set this to represent the difference in the Customer RSL and the loaded RSL. Setting this to the value of the customer RSL will cause the RSL to be 0 and the vehicle will not go anywhere and if the P1MG3 is set to 'No' the unit will limit the engine RPM to base idle even when not loaded. If the P1MG3 is set to 'Yes' the problem will only show up after the vehicle is loaded and the bellows pressure from P1MG4 is

exceeded.

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- P1MG4 (Bellows pressure threshold for loaded vehicle ? this is the same customer parameter that is used for XE Adaptive Gearing) setting this value to an very high setting will disable this function and any other functions that use this value.

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- P1MG3 (Use lower road speed limit on loaded vehicle).
 - Parameter limit is Yes/No.
 - No = use RSL difference on unloaded vehicle.
 - Yes = use RSL difference on loaded vehicle.

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Verify that the parameter settings are correct for what the customer wants. P1MG2 will accept a value of 0 - 6550. The typical setting of this parameter is between 0 -16km/h (0 - 10 mph).

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