



Preliminary Information

PIT5731A Shorter Than Expected Turning Radius

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 4500HD 5500HD 6500HD	2019 - 2020	All	All	All	All

Involved Region or Country	North America
Condition	The vehicle may have a concern of not turning as sharp one way or the other and/or the turning radius is not the same in either direction.
Cause	The steering will not go stop to stop due to the steering limitation valves being out of adjustment

Correction:

Before replacing the steering gear try to learn the steering limitation valves

Perform the steps as follows:

Front wheels in neutral (centered) position.

All steering linkage installed.

Axle stops set.

Relieve the steering axle load by jacking it up (there must, however, still be a minimal load on the steered axle) or place it on swivel plates.

Note: This will cause the piston to push the sliding bush on the screw up to the required cut-off position. During this setting operation the steering limiter valve is constantly open which means that, or without hydraulic assistance, the steering wheel can only be rotated further at an increased effort (may take 2 people meaning one guy turning the steering wheel and one pushing and pulling on the tire).

Rotate the steering wheel, with and without hydraulic assistance, to the maximum lockstop.

Repeat the setting operation for the other direction of rotation.

This PI will be updated as information comes in.

Version History

Version	2
Modified	01/31/2020 - Created on. 2/3/2020 - Updated to add steps to the correction.



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