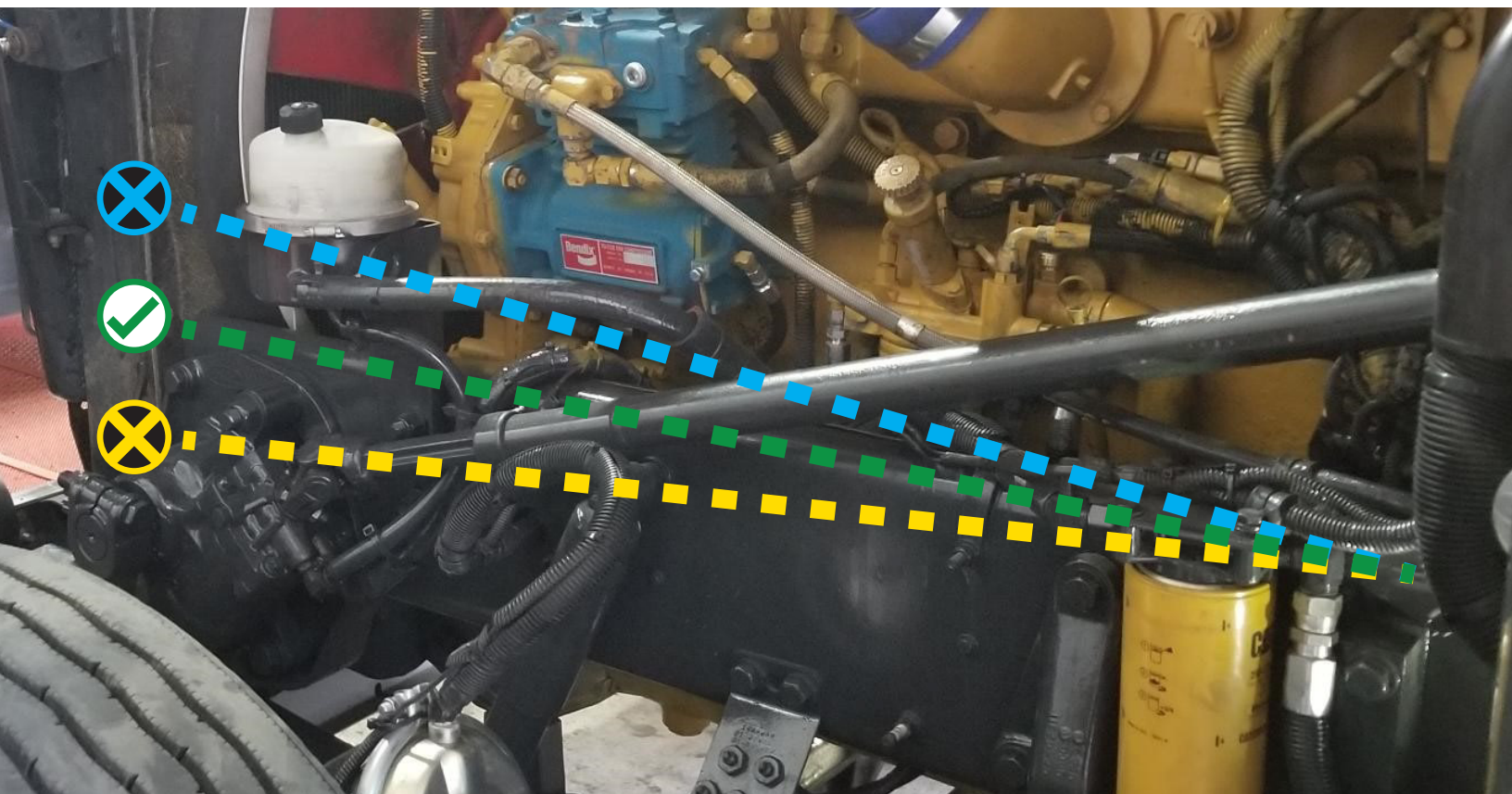


Never Replace a Steering Gear with a used Steering Gear

Any steering gear to be installed **MUST** be reset to factory original installation specifications.



It is unsafe if the steering gear is causing the frame rail of the vehicle to lift / push upwards or drop / pull downwards at the end of travel, at the axle stops. Immediate corrective action is required.

Always check to make sure the vehicle's steering gear is performing correctly during the following procedures:

- During a vehicle safety certification
- When evaluating the steering system by customer request
- Before installation of replacement steering gear
- After installation of replacement steering gear

Other factors that can cause a steering system to not unload correctly:

1. Incorrect adjustment of axle stops
2. Incorrect adjustment of tie rod end or ends
3. Incorrect adjustment or replacement of steering draglink
4. Incorrect pitman arm to sector / output shaft timing alignment
5. Incorrect steering gear installation procedures followed
6. Installation of a USED steering gear that has not been reset to OE specifications
7. Incorrect front end steering suspension repair practices

See What to Look for on Page 2

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833.442.0442

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Newfoundland
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Moncton
New Brunswick
844.442.0442

Quebec City
Quebec
844.442.0442

Ottawa
Ontario
613.749.4858

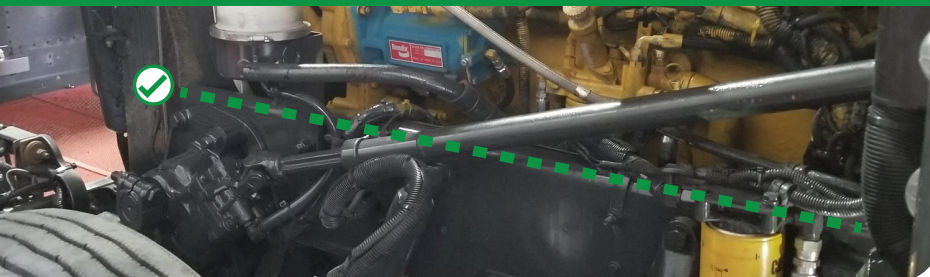
Mississauga
Ontario
833.442.0442

Winnipeg
Manitoba
833.442.0442

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✓ CORRECT ALIGNMENT

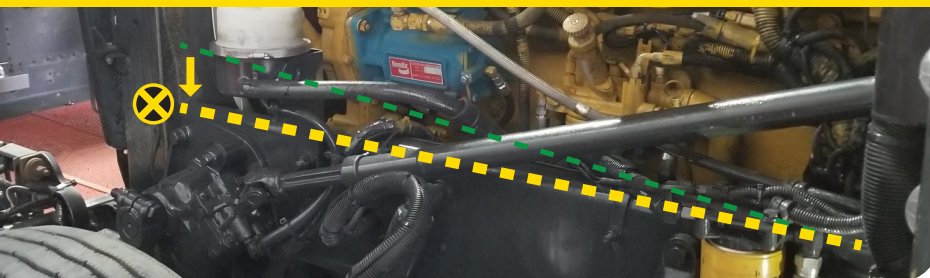


What to Look for:

While turning the wheel left or right to the end of each turning radius, the axle stops are NOT contacting, and the tires cannot turn any further. This indicates the steering gear internal relief system is set and unloading correctly, not pushing up or pulling down the frame suspension.

NO CORRECTIVE ACTION IS NEEDED.

✗ FRAME IS PUSHED DOWN

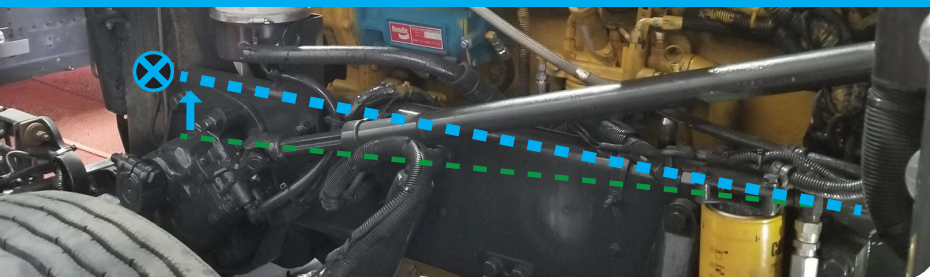


What to Look for:

When turning the wheel to the left at the end of the turning radius, the axle stops are contacting, and the tires cannot turn any further. This indicates the steering gear internal relief system is not set and unloading correctly, pushing down the suspension.

CORRECTIVE ACTION IS NEEDED.

✗ FRAME IS PUSHED UP



What to Look for:

When turning the wheel to the right at the end of the turning radius, the axle stops are contacting, and the tires cannot turn any further. This indicates the steering gear internal relief system is not set and unloading correctly, pushing up the suspension frame.

CORRECTIVE ACTION IS NEEDED.

If frame rail lift or drop is present after a steering gear replacement, contact customer service for assistance as installation practice may of not been done correctly. Do not permit a vehicle into service if the steering gear is causing the frame rail of the vehicle to lift / push upwards or drop / pull downwards at the end of travel, at the axle stops.



Learn More:



Steering Gear
Inspection Guidelines



Steering Gear
Installation Tips

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