

4/23/2021  
CAL FTL 40-001

**Subject: Tire Valve Stem Inspection**

**Models Affected: Model year 2019 through 2022 Freightliner New Cascadia vehicles built from May 2018 through May 2021**

Our records indicate that you are the owner of certain vehicles, and therefore DTNA has decided to share the following documentation with you.

Please see the attached communication in this email. We hope you find this information helpful.

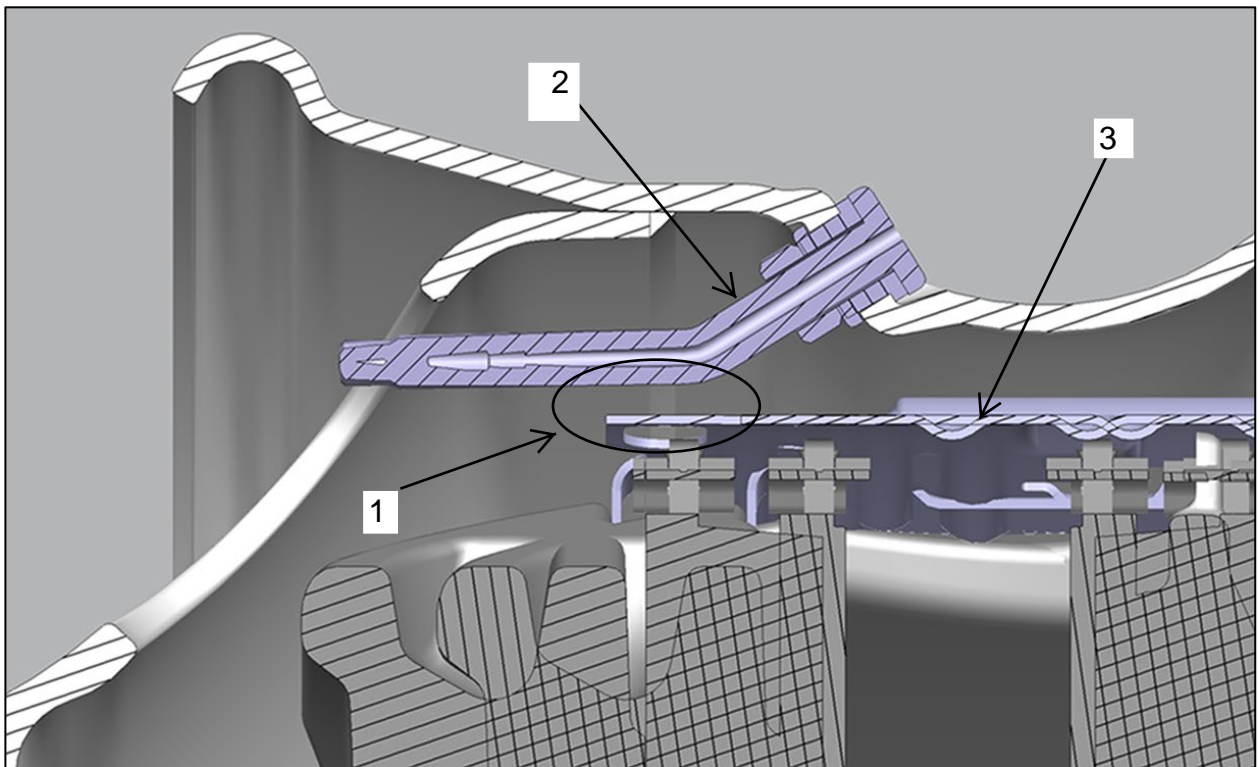
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**Work Instructions**

1. Park the vehicle on a level surface, shut down the engine, and apply the parking brakes. Chock the tires.
2. Using an inspection mirror or hand-held borescope inserted through the wheel hand-hole nearest to the valve stem, inspect the valve stem for any visual damage. See **Fig. 1**.
  - 2.1 If no damage is detected, no further work is required.
  - 2.2 If damage is seen, continue to step 3.



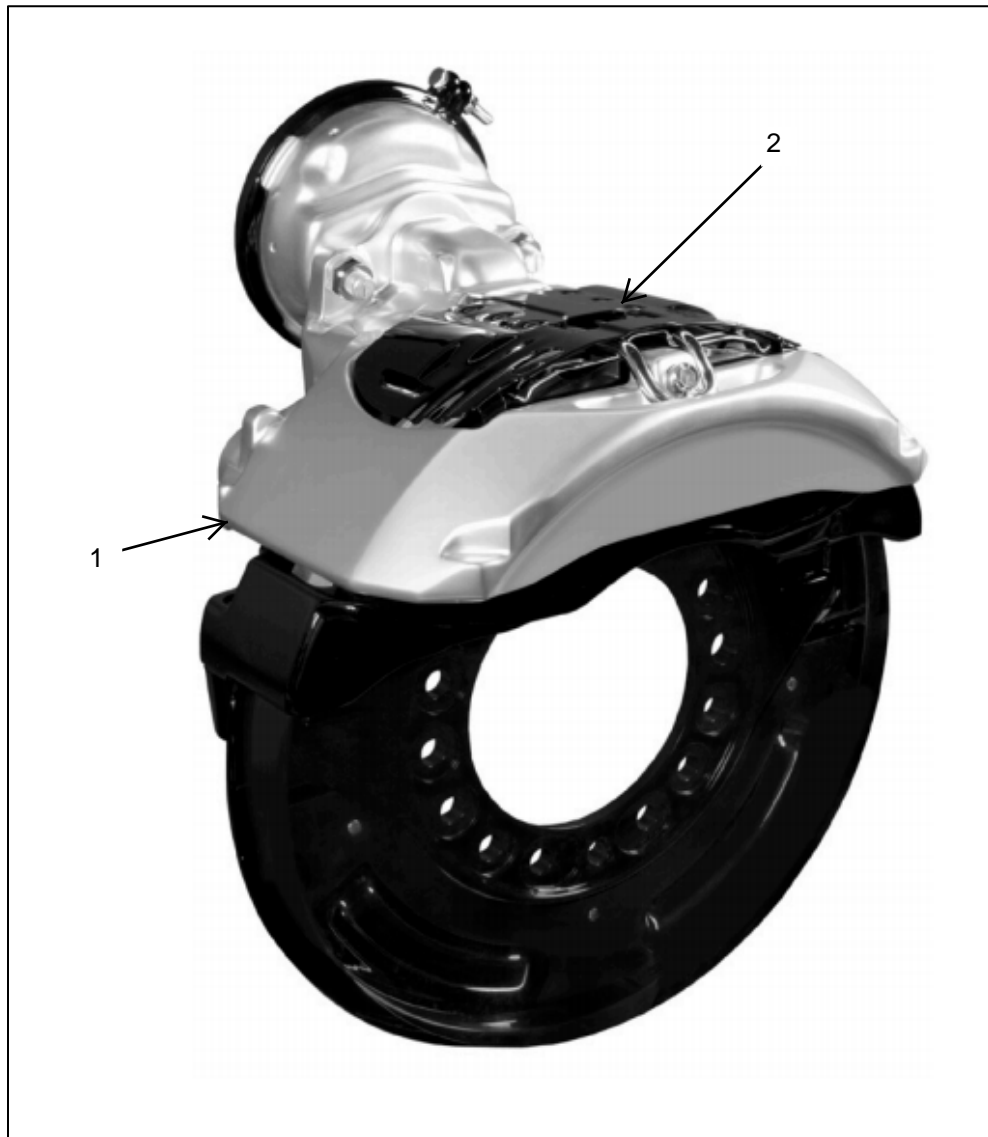
1. Clearance Area at Issue.                      2. Valve Stem                      3. Caliper Pad Shield

**Fig. 1, Cross Section of Valve Stem to Caliper Pad Shield**

3. Raise the vehicle high enough to remove the tires.  
**WARNING:** Failure to follow precautions, before and during tire demounting and mounting, could cause tire damage while servicing or in use. An incorrectly mounted tire can burst, which could cause personal injury and equipment damage.

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4. Following all shop procedures, remove the wheel and tire assembly. See subject 40.00.120 in the **New Cascadia Workshop Manual** for instructions.
5. Replace the valve stem.
6. Remove the pad shield from the Wabco disc brake caliper and dispose of it properly. See **Fig. 2**.



1. Caliper

2. Caliper Pad Shield

Fig. 2, Wabco Maxxus Caliper with Pad Shield Installed

7. Document any vehicles found with damaged valve stems caused by inadequate clearance between the valve stems and Wabco pad shield. Send this documentation to your DTNA Field Service Representative.