

Technical Bulletin

Bulletin No: TCH-022-005

Effective Date: 7/20/2020 through 7/20/2021

Cancels: N/A

Page: 1 of 2

Subject: PACCAR® New-Gen Lightweight Steer Axle Drum Brake Inspection

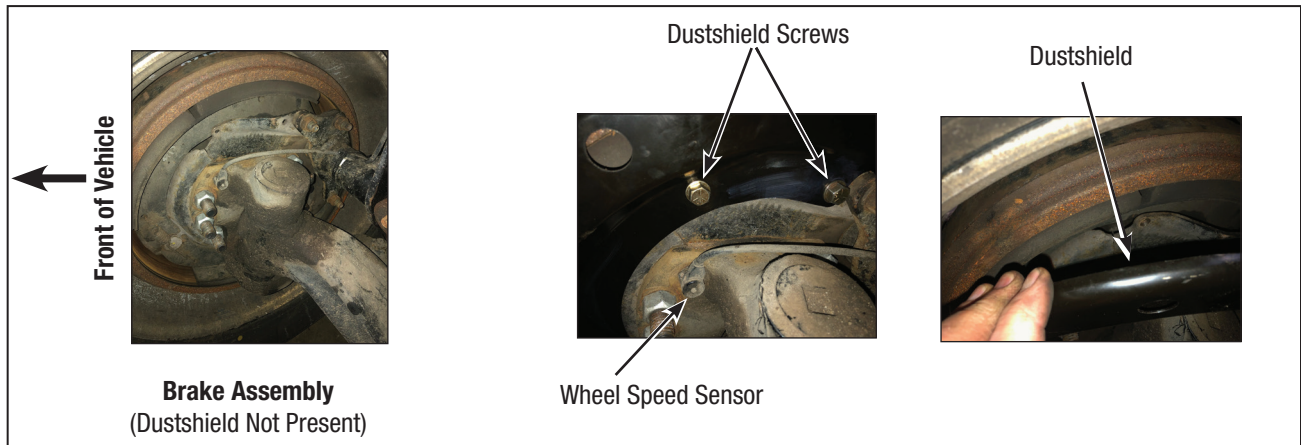
Bendix Spicer Foundation Brake LLC (BSFB) has discovered that a small number of new-gen lightweight steer axle drum brakes installed on PACCAR® (Peterbilt® & Kenworth®) vehicles built between 2015 - 2019 may have cracks in the spiders (mounting plates). Vehicles that fall within these parameters, or have been serviced with the part numbers listed below, must be inspected for the possibility of cracked spiders. Use the inspection procedure detailed below. Vehicles with air disc brake steer axles, or drum brake part numbers not shown below, are not a part of this bulletin.

Vehicle Make	Model	Build Year	Bendix® Spider Part No.		PACCAR® Part No.	Service with Bendix Spider & Pin Assembly
			OE	Service		
Kenworth® & Peterbilt®	All	2015-2019	K125382	K125382N	G1-545* & G1-515*	K124778N (LH)
			K125383	K125383N		K124779N (RH)

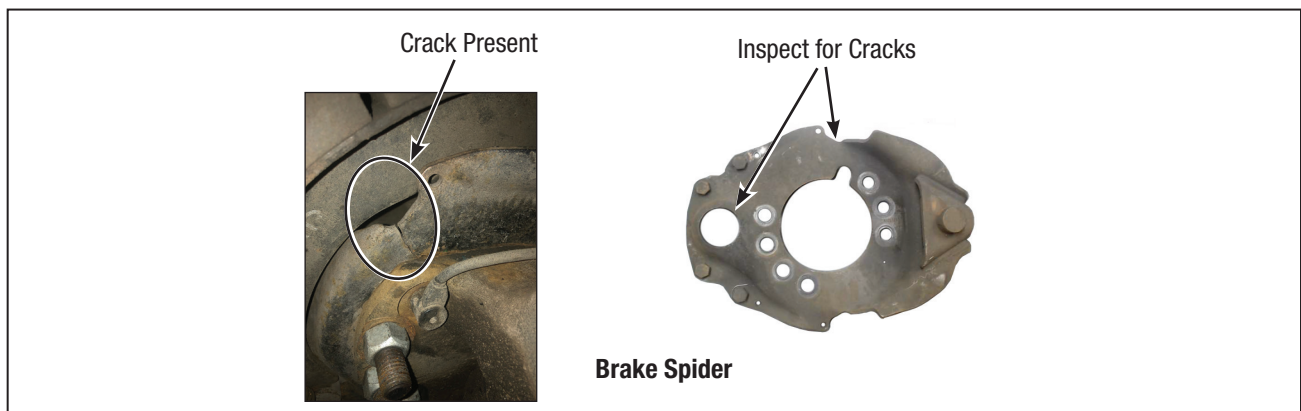
Inspection Procedure:

Note: This procedure must be performed on both steer axle brakes for the vehicles shown above.

1. Lift the hood of the vehicle for better visibility of the brake assembly.
2. Clean any loose debris (i.e. dirt or mud) from around the brake assembly. If the vehicle is equipped with a dustshield, pull back the dustshield to gain visual access to the top edge of the spider and pin assembly. To pull the dustshield back, first loosen the two dustshield screws adjacent to the ABS wheel speed sensor as shown below.

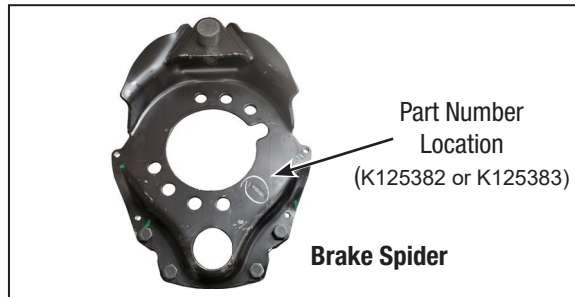


3. Visually inspect the brake spiders for the presence of cracks as shown below.



4. If no cracks are found, return the vehicle to service and *perform the Routine Service Inspection* as indicated below.

If cracks are found in either spider, each cracked component must be replaced with the appropriate service part (as identified on page 1 of this bulletin). Although friction material is always replaced across an axle, it is not necessary to replace components such as brake spiders if they do not show any signs of cracks. Each wheel end is unique and not all are prone to cracking. For example, if the right steer axle spider is replaced, the left does not need to be replaced unless cracks are found. Do not return the vehicle to service until the appropriate repairs are made. To obtain the correct service parts see *Order Replacement Parts below.*



Order Replacement Parts:

1. If cracks are found in the brake spider, locate the part number on the spider as shown above and use the table on page one to identify the corresponding Spider & Pin Assembly replacement.
2. Contact your local PACCAR® dealer to order the appropriate service replacement parts.

Note: The new replacement spiders (part numbers K124778N and K124779N) are manufactured from a thicker material. This material difference does not impact the interchangeability of the service replacement spiders, nor does having a replacement spider on one side of the axle and the original spider on the other side of the axle.

Installation Procedure:

1. Replace the brake spider(s) as determined in the inspection.
2. Reinstall all of the remaining components of the brake assembly, including shoes and drums, in accordance with the normal service protocols outlined in Bendix service manual BW7258. Ensure all hardware is installed per the OEM requirements, replacing where required, and note the specific torque requirements from the OEM.
3. Submit a warranty claim for the parts and labor via your PACCAR service network. The standard labor allowance/repair time is shown below for various hub types and model numbers.

Hub Type	Standard Labor Allowance / Repair Time	Kenworth®	Peterbilt®
ConMet® Preset Plus®	1.6 Hours	T440, T470, T680, T800, T880, W900, W990	365, 367, 382, 384, 386, 389, 567, 579, 587
Spicer® LMS™	1.9 Hours	T270, T370	330, 337, 348

4. Return the vehicle to service and perform the *Routine Service Inspection* indicated below.

Routine Service Inspection:

All brakes must be inspected on three (3) month intervals for any signs of defect or damage, including cracks. This periodic inspection remains a requirement for ensuring proper brake function throughout the life of all Bendix® drum brakes. In keeping with these service procedures—as published in Bendix service manual BW7258—a thorough visual inspection for brake wear, loose fasteners, broken parts, and/or obvious damage should be made each time the brake is serviced or the wheel and drum is removed. In no case should the visual inspection interval exceed three (3) months of service. *Refer to the Spider Inspection of this service manual for additional service information.*

Service manual BW7258 and all other Bendix literature is available for download in our Document Library at bendix.com located under the Quick Links tab.