

Service Bulletin - June 2023

SAF Tire Pilot Plus™ (TPP) Inflation System

Hubcap Window Replacement

Tire Pilot Plus (TPP) grease style hubcaps on axles produced after January 2020 through May 2023 (date code 20 001 through 23 150) may have been manufactured with non-conforming hubcap window material. This can result in failure of the hubcap window, exposing the wheel end to the environment. We recommend replacing these windows at the next service interval or if a failure occurs. All hubcaps windows on a single trailer should be replaced at the same time. Replacement window kit part number is 48100816. Each kit contains 4 window replacements.

The following instructions provide the necessary information for identifying and replacing the plastic hubcap window on grease style hubcaps.



Hub may be pressurized, failure to vent the hub prior to servicing could result in minor or moderate injury.

TPP Hubcap Window - Preparation for Service

PREPARATION:

1. When working on a trailer before completion of, or during the procedure on the next page, make sure to have the air supply and power to the trailer turned off. Any residual pressure in the hub assembly should be relieved by opening the hub lube fill port or loosening the hubcap itself (hubcap removal is not required). It is necessary to have the hub fill plug rotated between the 9 and 3 o'clock position, to prevent semi-fluid grease from coming out when opened.
2. Be sure to keep body clear of the hubcap faceplate area until the hub is confirmed to not have any stored pressure. In addition, allow pressure to leak out through the center axle vent until no audible air can be heard.
3. If any troubleshooting or service is required with air supplied to the trailer, disconnect the wiring harness from the TPP electronic controlled module or mechanical regulator assembly before pressurizing the air system and working near the hubcap window faceplate area.

TPP Hubcap Window – Inspection & Replacement

INSPECTION:

- Before performing any maintenance on the trailer, set the parking brake and block the tires.

⚠ WARNING

Failure to set the parking brake and chock the tires prior to beginning maintenance could allow the vehicle movement which, if not avoided, could result in death or serious injury.

- Check date code range, on the axle serial tag, to see if it falls inside the affected date range, date codes 20 001 and up. (**Figure 1**).
- Figure 2** illustrates the grease style plastic hubcap window that will need to be replaced.
- Figure 3** illustrates the aluminum replacement hubcap window with duck-bill vent.

Figure 1

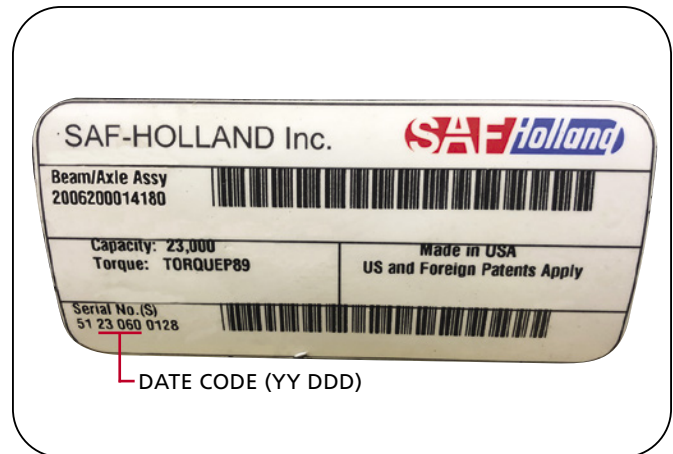


Figure 2

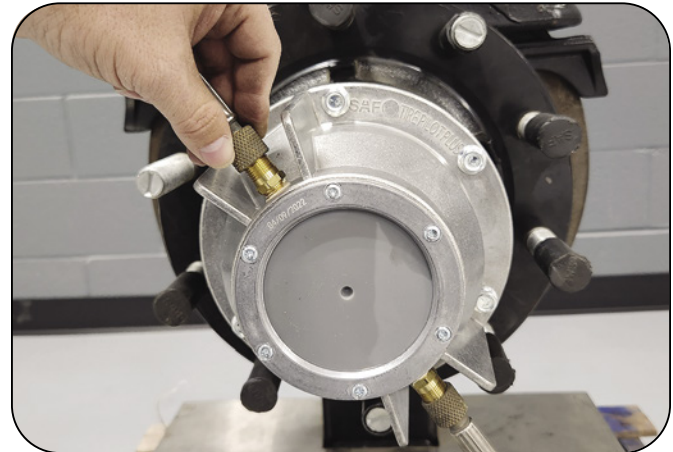


Figure 3



REPLACEMENT:

1. Loosen and remove the window retainer screws using a T20 Torx bit and save screws (**Figure 4**).

NOTE: Use of a power or air tool is NOT recommended for the removal of the retainer screws.

2. Remove the aluminum retainer from the hubcap assembly and save (**Figure 5**).
3. Remove the hubcap window plate from the assembly (**Figure 6**).
4. Position the new aluminum window with duck-bill vent on the window seal (**Figure 7**).

Figure 5

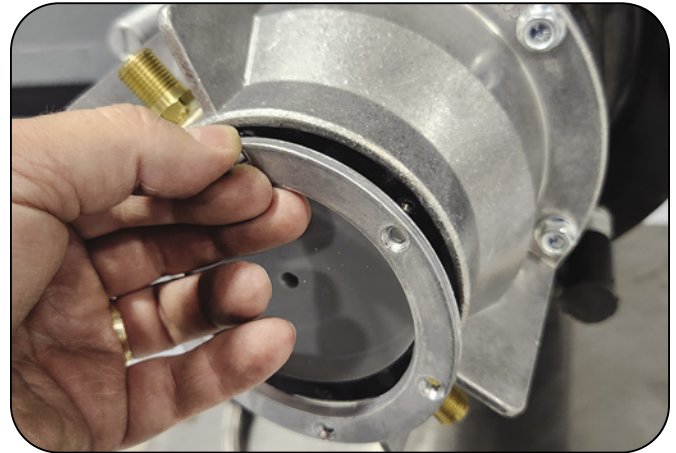


Figure 6

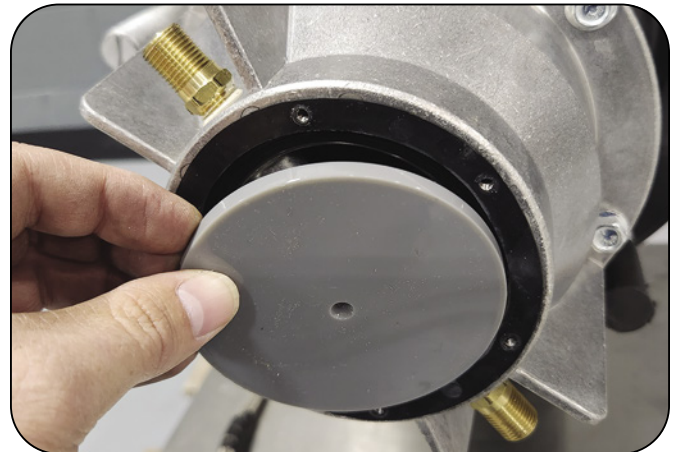


Figure 4

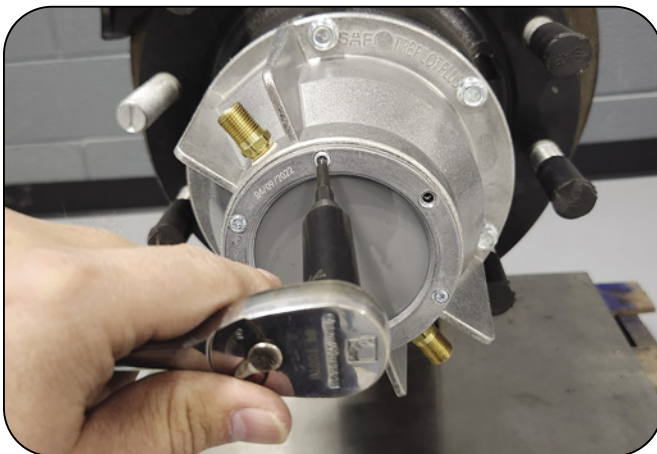
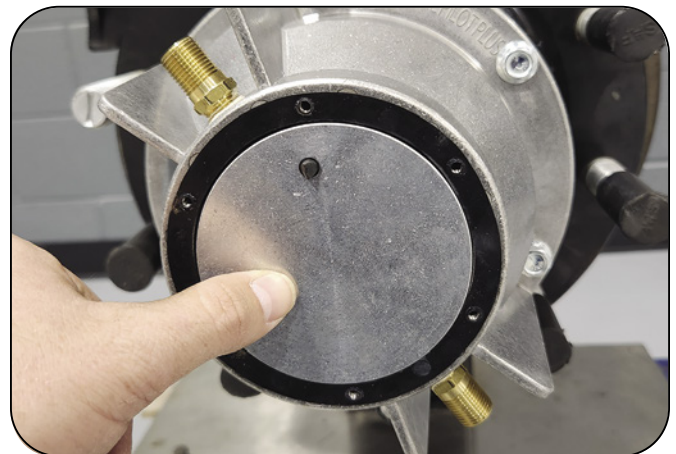


Figure 7



5. Replace the aluminum retainer ring on the hubcap assembly. Make sure to align the gasket if it has shifted position (**Figure 8**).
6. Install the window retainer screws (**Figure 9**).
7. Torque the window retainer screws to 18-23 lb-in in an opposing pattern (**Figure 10**).

NOTE: DO NOT send hubcap windows back. Scrap the plastic window once the replacement is complete.

For this procedure SAF-HOLLAND will reimburse 1/2 hours of labor per trailer. Once the procedure is done, you will need to supply:

- trailer make
- trailer VIN
- trailer in-service date
- both axle serial numbers
- suspension serial number
- date of window repair
- authorization number

to SAF-HOLLAND warranty at service@safholland.com for labor reimbursement. We apologize for any inconvenience this may have caused. This program will remain open until December 2024. SAF-HOLLAND is committed to serving our customers with quality products.

If other warrantable issues are found during the replacement of the hubcap window, a separate claim must be filed for those items.

Figure 8



Figure 9



Figure 10

