

SERVICE ADVISORY

SA016-0034

Subject: Grove Wheel Grease Seals

Date: July 12, 2017

Status: Recommended

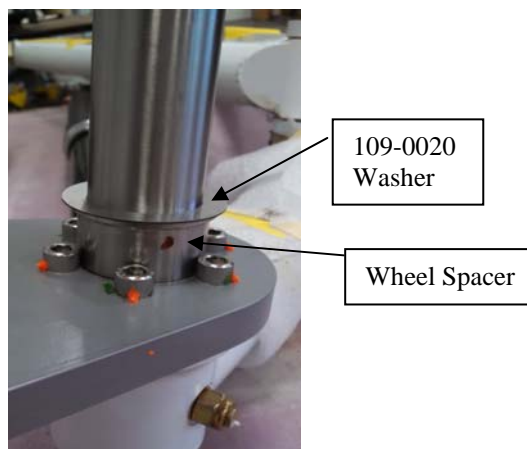
Background:

It has been reported that the Grove Wheels can “fling” grease out around the seal. This has caused a need to check the wheel’s grease more often or risk using a dry wheel. The manufacturer of the wheels, Grove Aircraft, has recommended a solution to locate the seals on the axle so they cannot move off the bearing. This service advisory only applies to Evolution aircraft with the Grove Wheels PN# 100-208.

Note: The locating washers are PN# 109-0020. If you have the short axles with SB016-0019 Axle Spacer installed, you may not have enough space on your axle for these washers. If you have the longer axle or the short axle without the SB016-0019 spacer these washers will fit. If these washers do not fit on your axle and you are having this issue we recommend checking your wheels grease every 50 – 100 hours or purchase replacement axles, PN# 121-0012D.

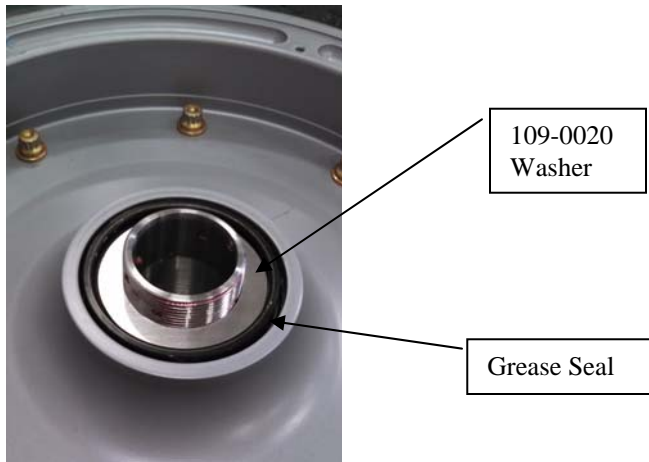
Action:

1. Jack up the aircraft.
2. Remove the cotter pin, nut, seal, bearing and wheel.
3. Slide the washer over the axle next to the wheel spacer.



4. Replace the grease seal, making sure it fits around the washer.

5. Replace the bearing, wheel, bearing and grease seal on the axle. Re-grease the bearings at this time.
6. Slide the washer over the axle and seat it in the grease seal.



7. Replace the nut, tightening it until there is no slop in the wheel bearings and then turn to the next castellation. Lock nut by replacing the cotter pin.

If you would like to install these washers, please call the Evolution Aircraft Company at 541-923-2233 to place an order. A quantity of 4 is required and will be shipped at no charge.