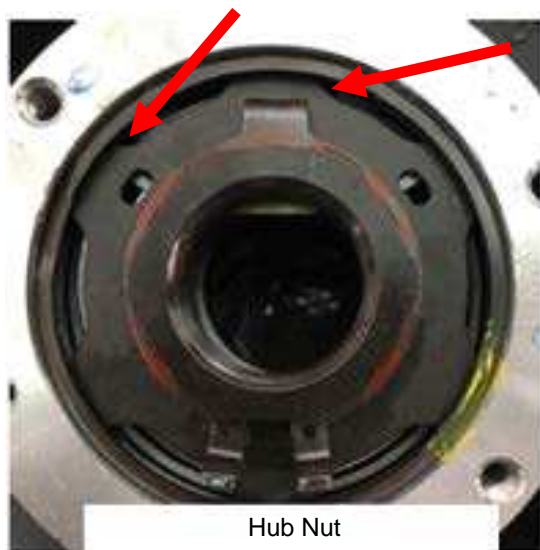


Hubcap center-fill plug leakage related to new style hub spindle nut

Through laboratory testing, it has been determined that wheel hub assemblies equipped with spindle nuts manufactured with outside diameter tabs, can cause oil leakage with hubcaps that have commonly used center-fill plugs with a standard pressure vent.

It has been determined that the outer edge tabs found on these type spindle nuts creates fluid turbulence that causes oil to be flung toward the center-fill plug during operation, allowing excessive oil weepage.



Hub Nut

Figure 1



Hub Nut

Figure 2

The standard spindle nut without these tabs does not cause such turbulence.

Caution should be used when applying hub caps that have the commonly used style center-fill plug, that could weep excessively, when applied to the hub assemblies that use the spindle nut with outside diameter tabs shown in Figure 1.