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Howe 5x5 Cambered Drive Flange Instructions

P.N. 20546 – Cambered Drive Flange, Floated Rotor
P.N. 20544 - Cambered Drive Flange, Direct Mount Rotor

Howe cambered drive flanges come in two models. PN 20546 has a pentagon shaped flange to fit with Howe hats for floated rotors. PN 20544 has a circular flange for fixed rotors. The same basic installation/ maintenance instructions apply to both.

Installation *(note: drive flanges come pre-greased)*

1. Blue Loctite and safety wire the screws on the drive flange cap before use. Shown in *figure 1*.
2. Place the gasket in the hub recess in between the drive flange and hub. A pentagon drive flange takes a PN 20552 gasket and a circular flange takes a PN 20550 gasket.
3. Bolt the drive flange to the hub face. The pentagon drive flange takes five 10-32 flat head screws. The circular flange takes two 3/8-16 flat head screws. **Use anti-seize on each screw.** They self-tighten with use and will otherwise be difficult to remove.

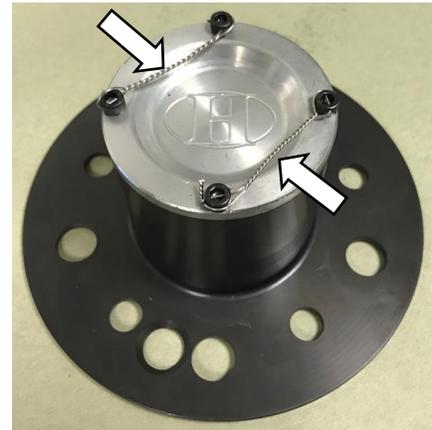


Figure 1

Maintenance

To start, your drive flange should be inspected/ maintained after each event. From there you can establish a maintenance schedule based upon your use. Typically, this should be done every 100-200 miles of racing.

1. Remove each drive flange from the hub.
2. Cut the safety wire and remove the 4 screws on the cap with a 5/32" Allen wrench.
3. After removing the cap, remove the snap ring that holds in the splined coupler.
4. Remove the coupler and clean the coupler and housing using solvent.
5. Inspect the splines of the coupler and housing for wear. If the teeth of either are sharp/ coming to a point, that is a good indicator that the wear has become excessive. At the time of these instructions, we have yet to wear one out so the typical lifespan is still unknown.
6. Make sure the coupler and housing are free of any dirt or debris and then re-grease the coupler. We recommend Schaffer's #238 Moly Supreme or Joe Gibbs Spline Grease.
7. Reassemble the drive flange and re-safety wire the cap screws.

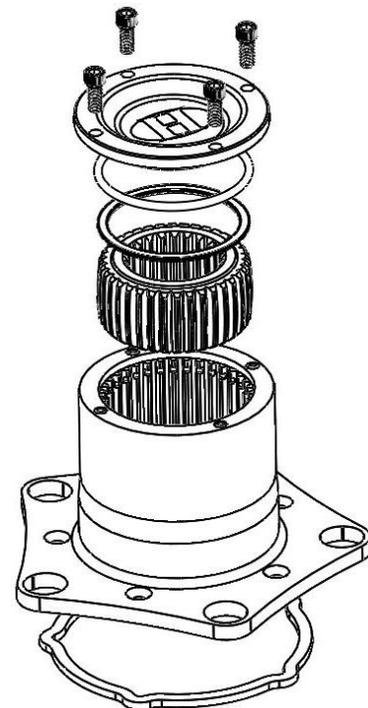


Figure 2