

MAZDA MOTORSPORTS

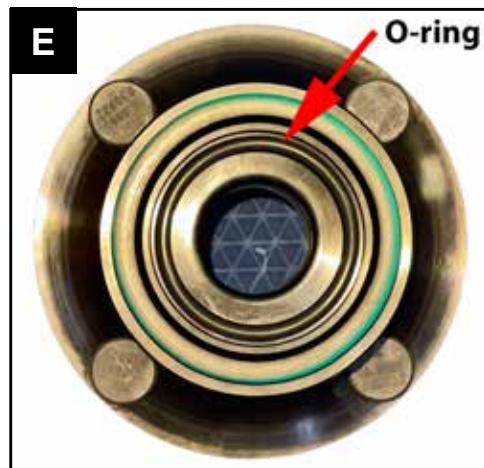
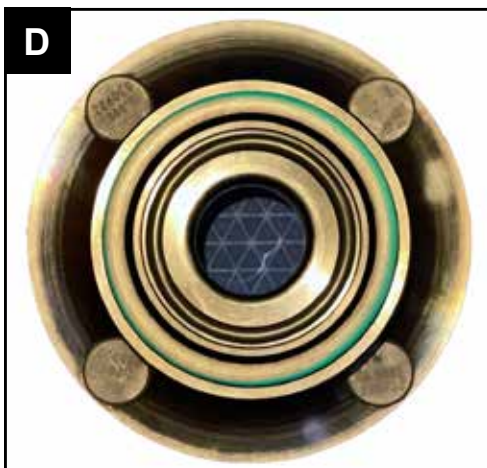
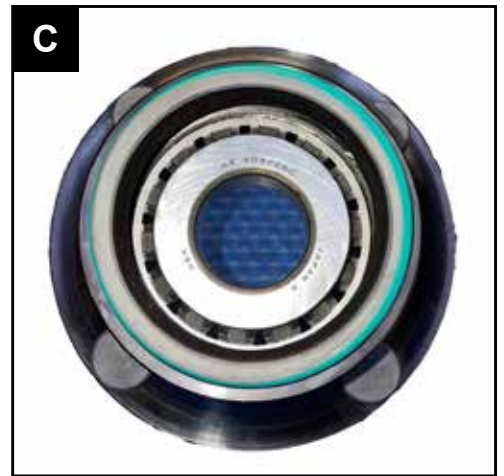
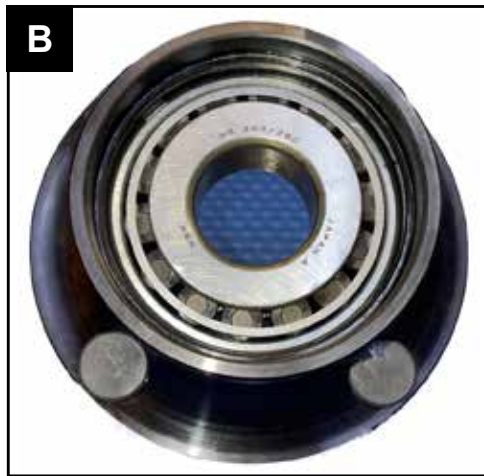
1421 REYNOLDS AVE. | IRVINE, CA 92614 | 800-435-2508
Monday – Friday, 9:30 am – 3:30 pm Eastern

Installation Instructions

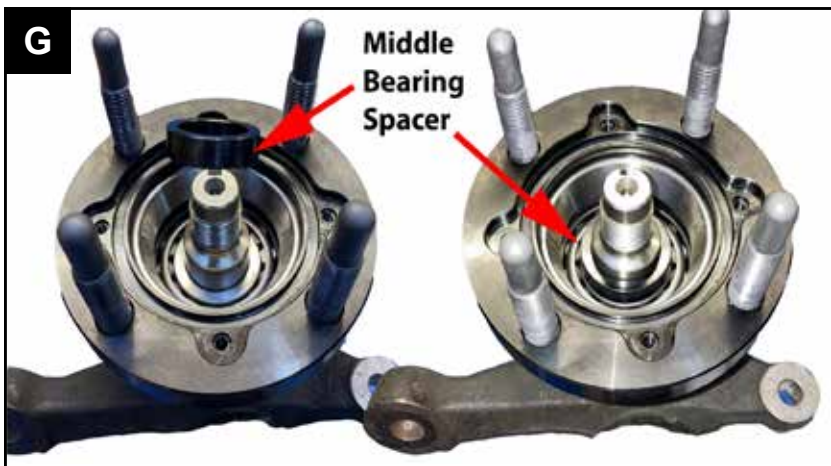
Tapered Roller Bearing Hub

Instructions for assembling on a workbench:

1. Thoroughly clean the hub prior to starting assembly to wipe away any dust or debris.
2. Place hub on bench with wheel studs facing down. Properly grease the hub and inboard tapered roller bearing. (B)
3. Install the inboard tapered roller bearing before the seal is in place; it cannot be installed after the seal is in place. (C)
4. Install the new (green) rear hub seal into the hub barrel. When installed properly and fully seated, the seal will sit flush with the hub barrel .
5. Lubricate the lip of the seal with grease to assist the spindle backing plate sliding into place when you go to install it. Then, install spindle backing plate into the seal. (D)
7. Install O-ring into spindle backing plate's O-ring groove. Grease the O-ring groove to better hold O-ring in place. (E)
8. Take the hub assembly less the front bearing to slide it onto the spindle. Ensure the O-ring remains seated in the O-ring groove while installing hub assembly on spindle. (F)



9. Install the middle bearing spacer. (G)
10. Install the snout spindle spacer. Ensure to install with tapered end towards the spindle. (H)
11. Slide the greased outboard tapered roller bearing onto the spindle and into the hub until it is secure against the bearing race.
12. Install the factory nut and torque to 125 lb-ft.
13. Once torqued, stake the nut per factory recommendations. This step is critical to the maintaining the proper torque and clearances inside the hub for the best performance and longevity. (L)
14. Install large o-ring into o-ring groove on the face of the hub.
15. Put dust cap into place. (M & N)
16. Install all 4 fasteners (Torx T25) to 80% engagement, then proceed in a star pattern a couple of turns at a time until fully seated. You may use Loctite Purple 222 if you feel it is necessary.



Snout Spacer



Middle Bearing



Spindle Backing Plate



