



YXZ1000R Drive Shaft Coupler Grease Adapter Installation Instructions

All Years and Models

Please read entire instruction sheet before beginning installation



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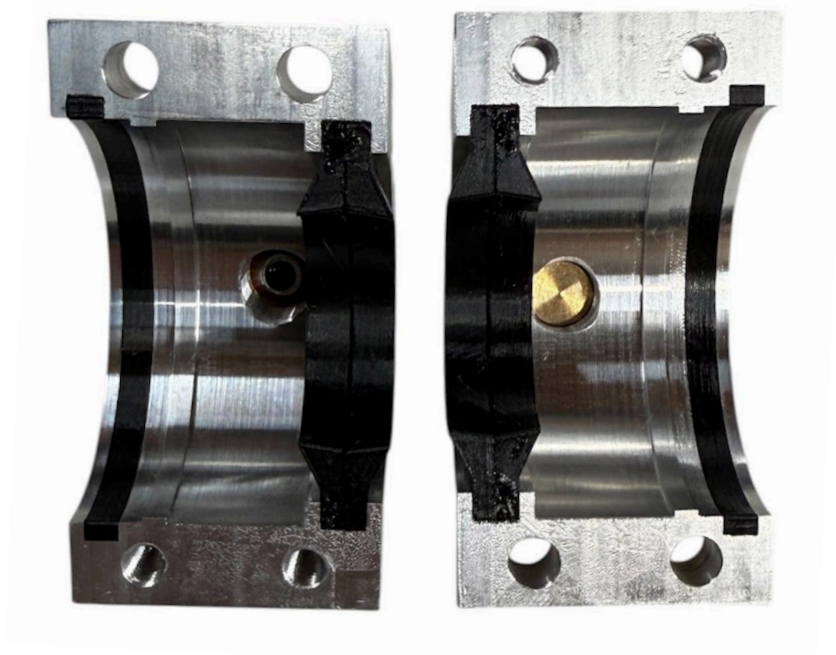
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Parts List

(QTY 2) Drive Shaft Coupler Grease Adapter Halves

Sub-components already installed:

- Pinion (differential) side seal
- Driveshaft side seal
- Grease fitting
- Grease plug



Note: Grease fitting and grease plug are both $\frac{1}{8}$ " NPT fittings.

(QTY 4) M5-0.8x20mm 304 Stainless Steel Socket Head Cap Screws

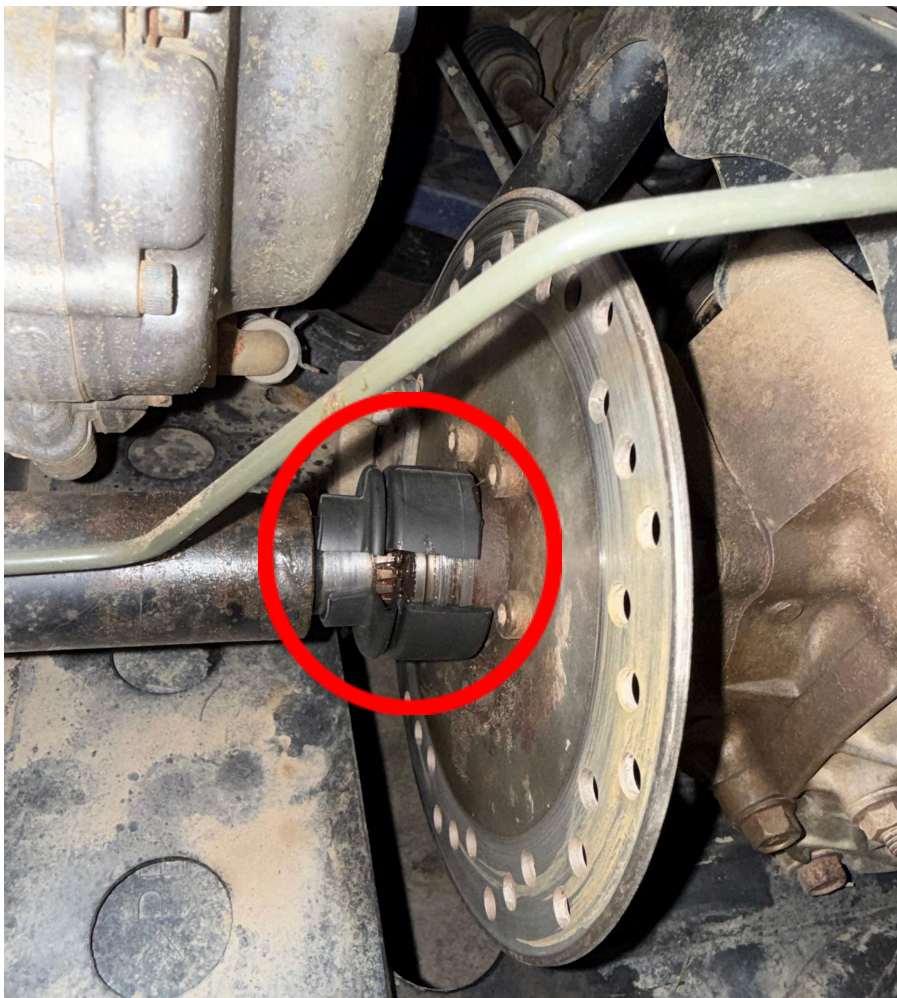


Needed for Install: Lithium grease, Thread Locker, RTV Sealant, allen wrenches.

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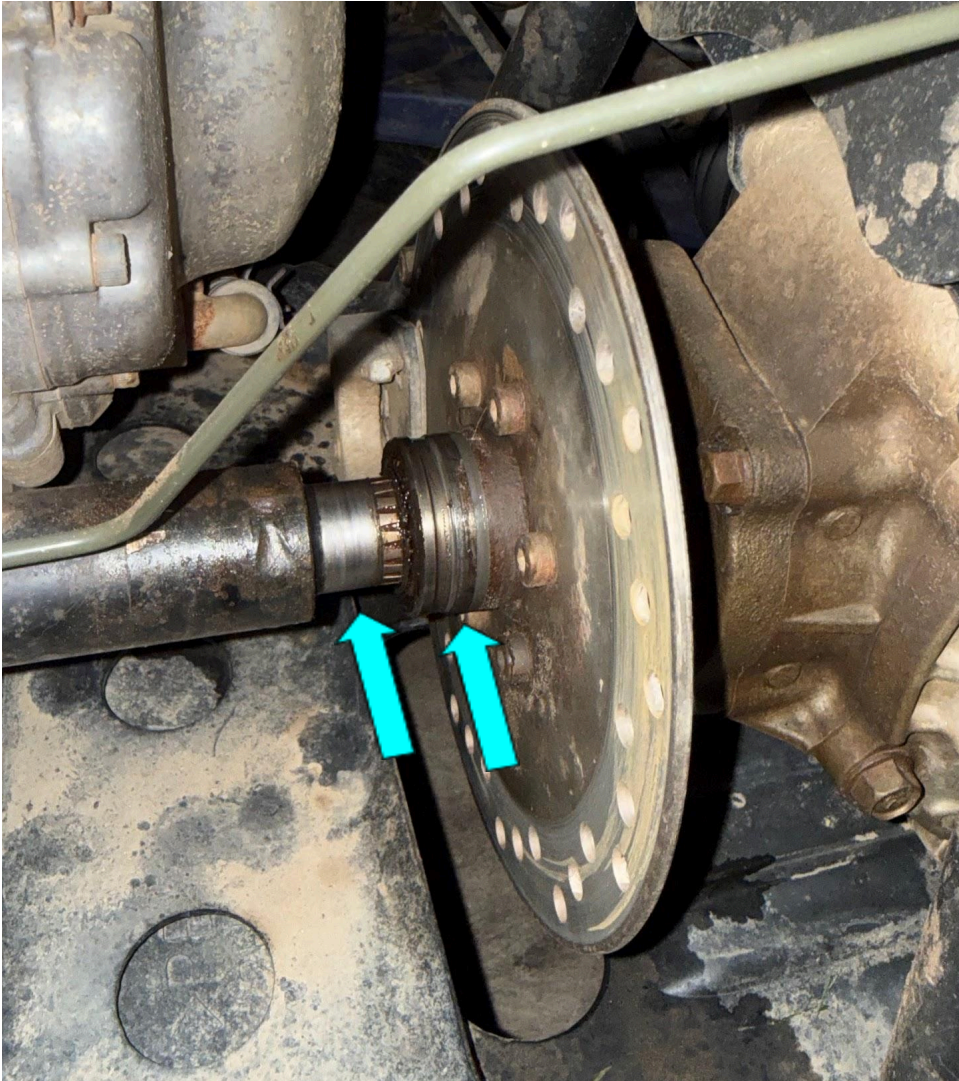
Installation Instructions

1. **Safety first: Ensure the vehicle is on a flat level surface. Place wheel chocks around the wheels in both directions, ensure the parking brake handle is pulled tight. Wear appropriate PPE including gloves and glasses.**
2. It's recommended to clean around the rear driveshaft coupler before beginning installation to prevent debris from entering the adapter.
3. Remove the OEM rubber boot by cutting it carefully with a razor blade. See image below.



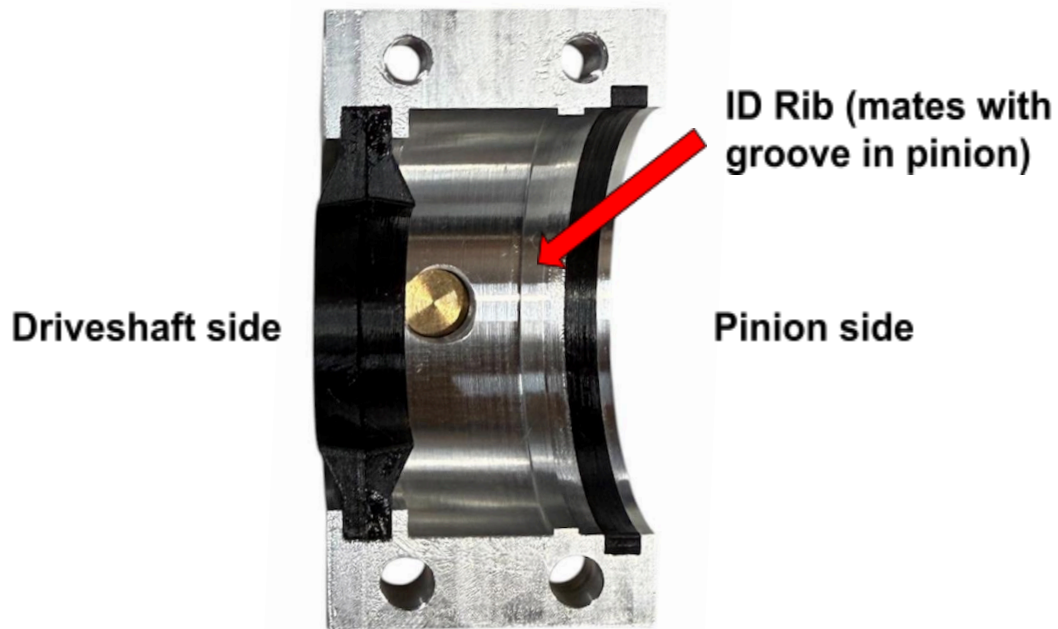
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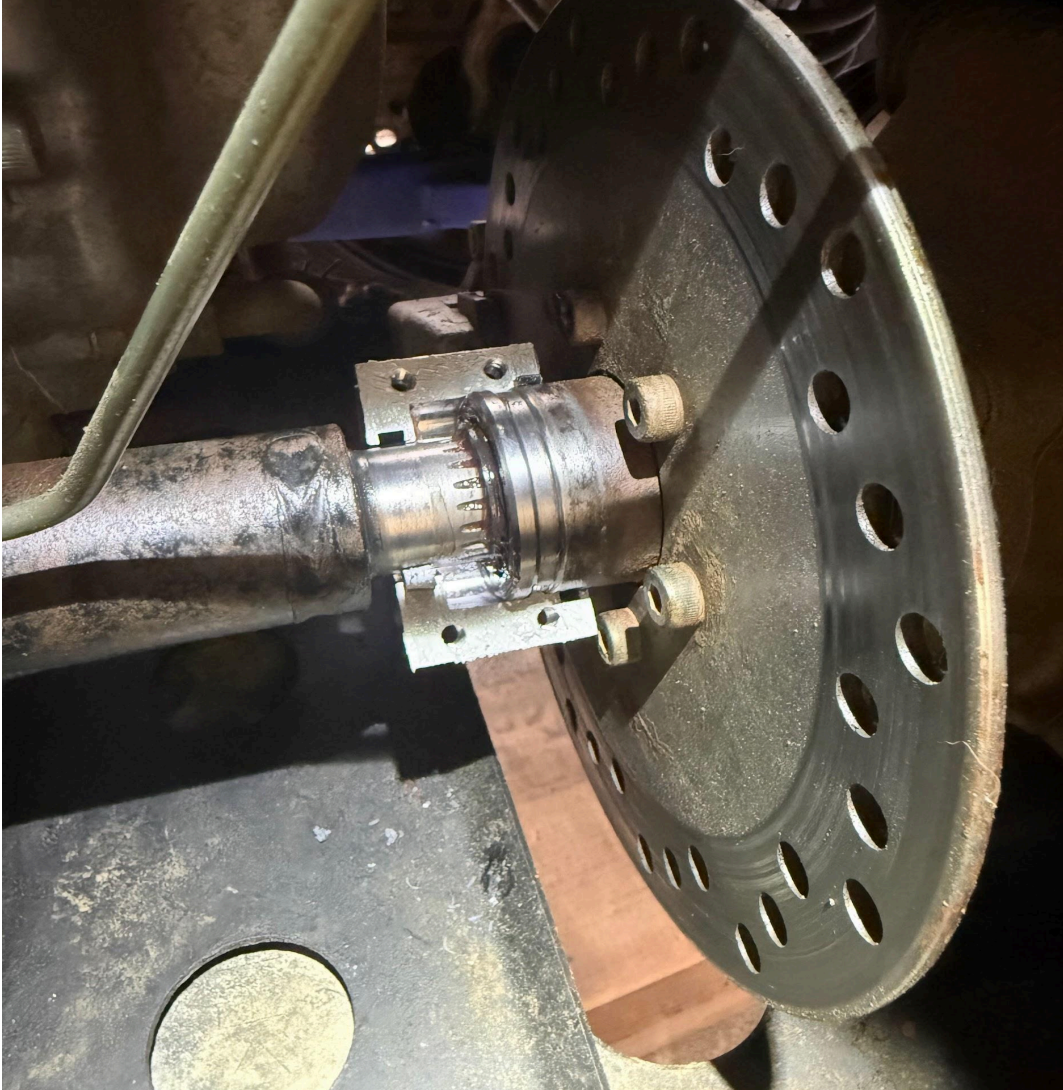
4. Clean the coupler area and splines beneath the OEM rubber boot. It's recommended to clean any corrosion from around the pinion and drive shaft OD with a scotch-bright pad or fine sand paper - particularly where the seals will sit (see blue arrows below). Make sure to clean around the full circumference and wipe clean when completed.



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5. Once the area around the coupler is clean, install the first half of the grease adapter from the bottom. **Important:** Ensure the seals are seated in place in the adapters before installing. The larger seal is the driveshaft end. A rib on the ID of the coupler will fall into the groove on the pinion OD. **Grease the seal lips with a small amount of lithium complex grease before installing.**

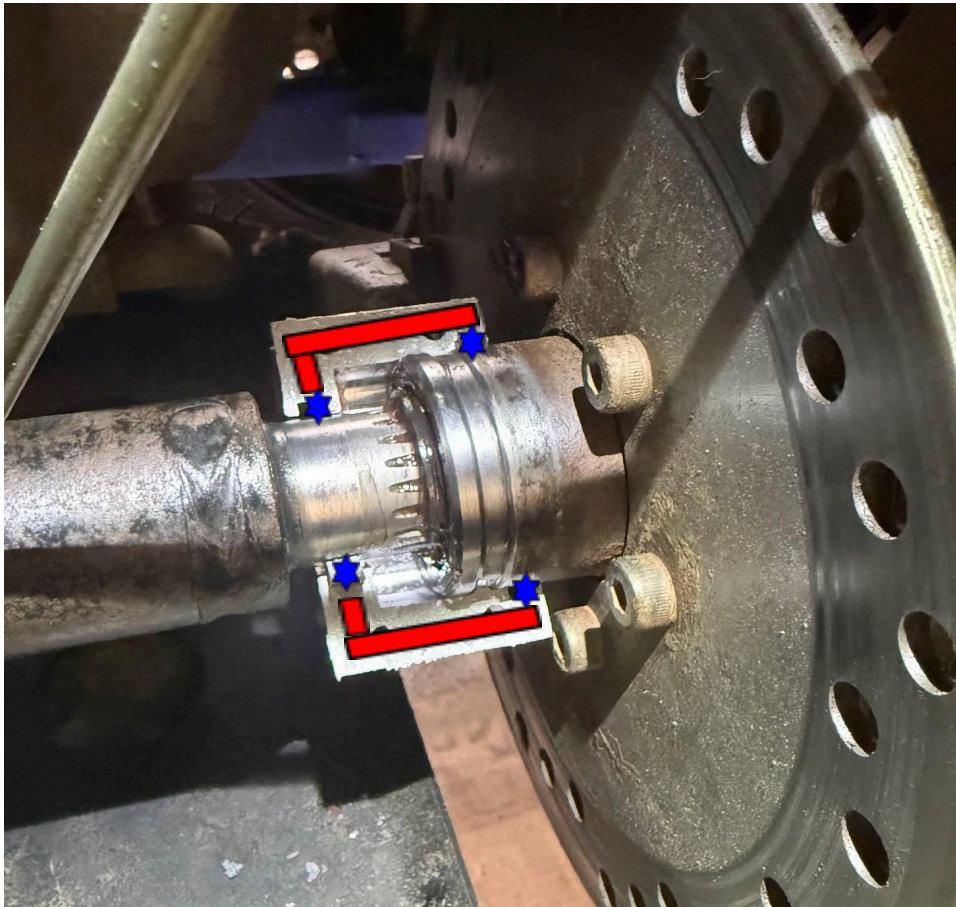




Bottom half installed around drive shaft and pinion

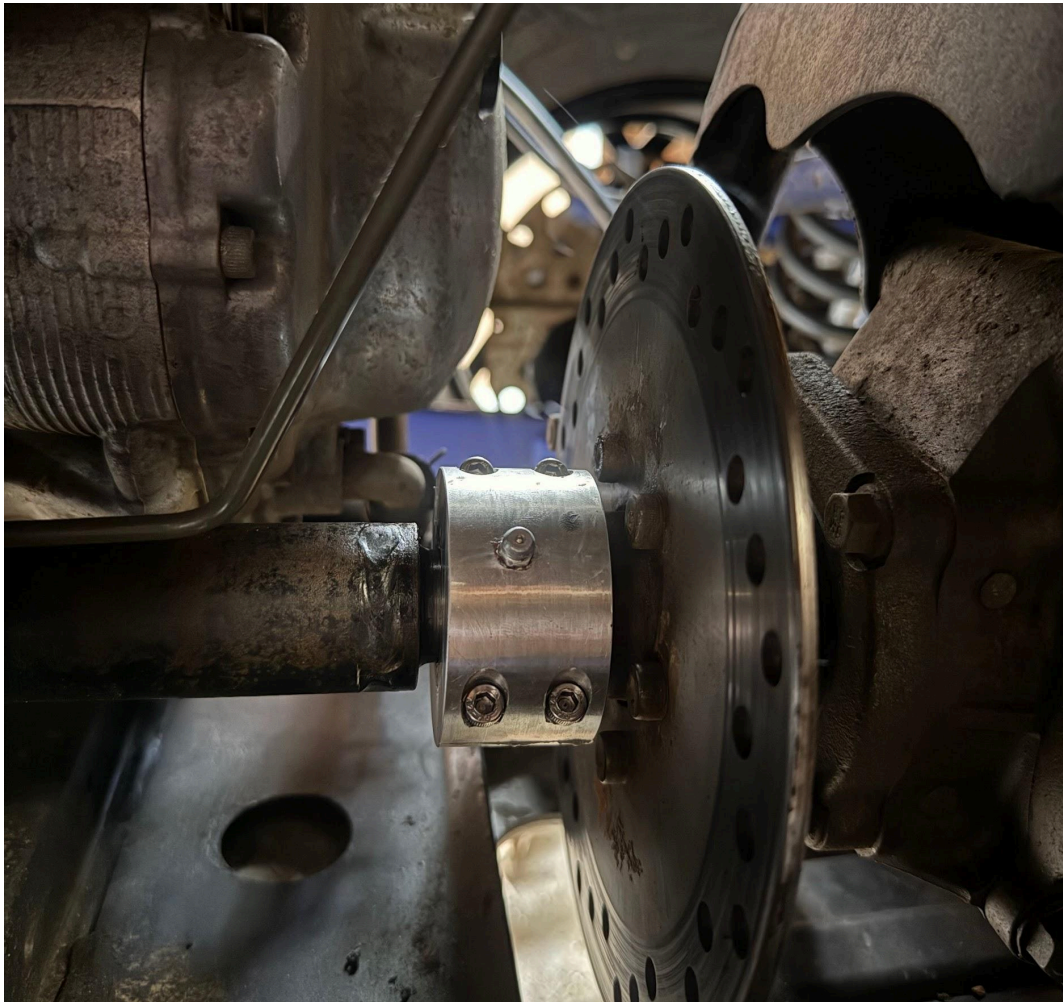
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6. **Important:** Place a small amount of RTV sealant at the seal ends (blue stars) and a light coating along the mating surfaces of the already placed bottom half (red lines). This RTV helps seal the split halves to prevent grease leakage and debris ingress.



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7. Install the top half of the grease adapter ensuring the seals are fully seated and a small amount of lithium complex grease is applied to the seal lips. Install the 4 M5x20mm bolts with a small amount of medium strength thread locker. Tighten the bolts in a stepped cross-pattern to slowly clamp the grease adapter around the pinion and drive shaft. Your grease adapter may come with alternating bolts (inserted 180-degrees apart from each other).
Note: If the drive shaft needs to be rotated, slowly push the buggy at the wheel back and forth with the parking brake disengaged. **Safety:** Ensure the buggy is on a level surface and stop-chocks are put in place. The buggy only needs to be moved slightly to rotate the drive shaft 180 degrees.



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NOTE: Your grease adapter may come fitted with a different grease fitting other than what is shown in the image.

Greasing Instructions

NOTE: This is a purge-type grease system. The grease plug must be removed intermittently to purge grease through the coupler. **DO NOT** over-pressurize the grease coupler. Seal damage may occur. Allow the RTV from step 7 to firm-up before attempting to pump grease.

Recommended grease: A lithium based NLGI #2 grease is recommended.

1. Remove the purge plug with an allen wrench. Attach a grease gun to the grease fitting and begin pumping grease slowly until it comes out of the purge port. **NOTE:** It's recommended to place a rag or catch pan beneath the purge port. Pump the grease out the purge port until no more air bubbles exit.
2. Once a steady purge of grease is achieved, clean the purge port and lightly install the purge cap. Slowly pump grease into the coupler with the plug in until the resistance increases. Remove the purge plug again and pump grease to remove any remaining air pockets.
3. After repeating the purge process several times (step 2). Reinstall the purge plug and tighten. Perform the purge process once more after a short ride.
4. It's recommended to repeat the purge process every 100 hours to ensure fresh grease is retained around and through the grease adapter. If riding in extremely wet or dirty conditions, then it may be necessary to repeat more often.

If you have any questions, please reach out to
solex.enterprises24@gmail.com

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