

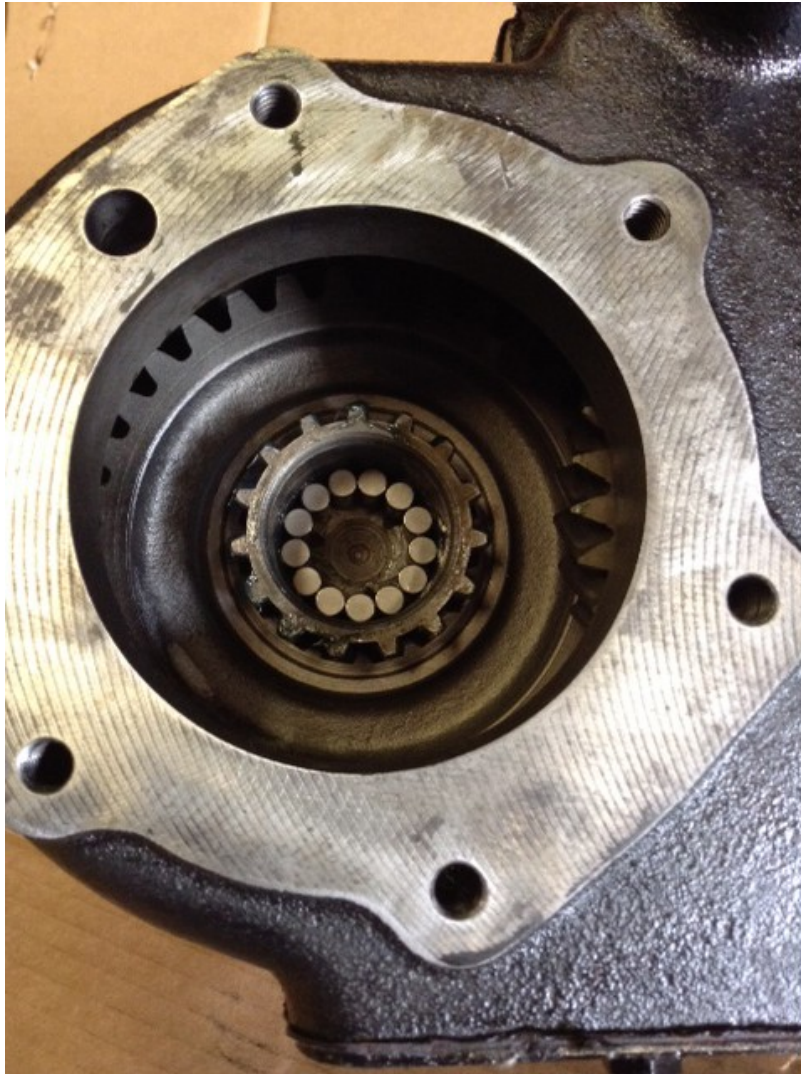
66-77 Ford Bronco Transfer Case Installation



- Clean the gasket surface of any overspray or grime.



- Apply grease to cup portion of rear output shaft. This is to hold the pocket bearings while installing them.



- Install pocket bearings. It takes 13 roller bearings to fill the void. The first 12 bearings can be stacked around the perimeter of the opening. The last bearing will then need to be slid into position.
- Apply more grease on the pocket bearings to hold them in place.



- **MANUAL TRANSMISSIONS ONLY:** Place the gasket (we suggest a thin film of RVT silicone on both sides of gasket)
- If installing on a stock manual transmission, we recommend replacing the adapter seal in the adapter housing prior to final installation. At this point, the Transfer Case is ready to mount to the Adapter Housing. For Automatic Transmissions, continue to the following pages

This section for Automatic Transmissions

(some manuals with Advance Adapters kits such as NV3550, NV4500 & NP435 will also use this procedure)



- Install new Adapter Seal into Bearing Retainer. We STRONGLY recommend a NEW adapter seal when replacing the transfer case.



- Install Adapter Bearing into Bearing Retainer. If one side of the bearing is enclosed, that side should face the seal
- The bearing will be a snug fit into the bearing retainer. Gently drive the outer race of the bearing into the retainer with a race punch

This section for Automatic Transmissions

(some manuals with Advance Adapters kits such as NV3550, NV4500 & NP435 will also use this procedure)



- Install the snap ring to hold the bearing from working its way out



- Apply a thin film of grease to the seal surface area of the coupler shaft. Also apply grease to the inside surface of the seal within the adapter bearing.

This section for Automatic Transmissions

(some manuals with Advance Adapters kits such as NV3550, NV4500 & NP435 will also use this procedure)



- Slide the bearing and retainer over the coupler shaft. Note how the bearing retainer is oriented to the shaft. Drive the inner race of the bearing down along the shaft until seated on the coupler shaft.



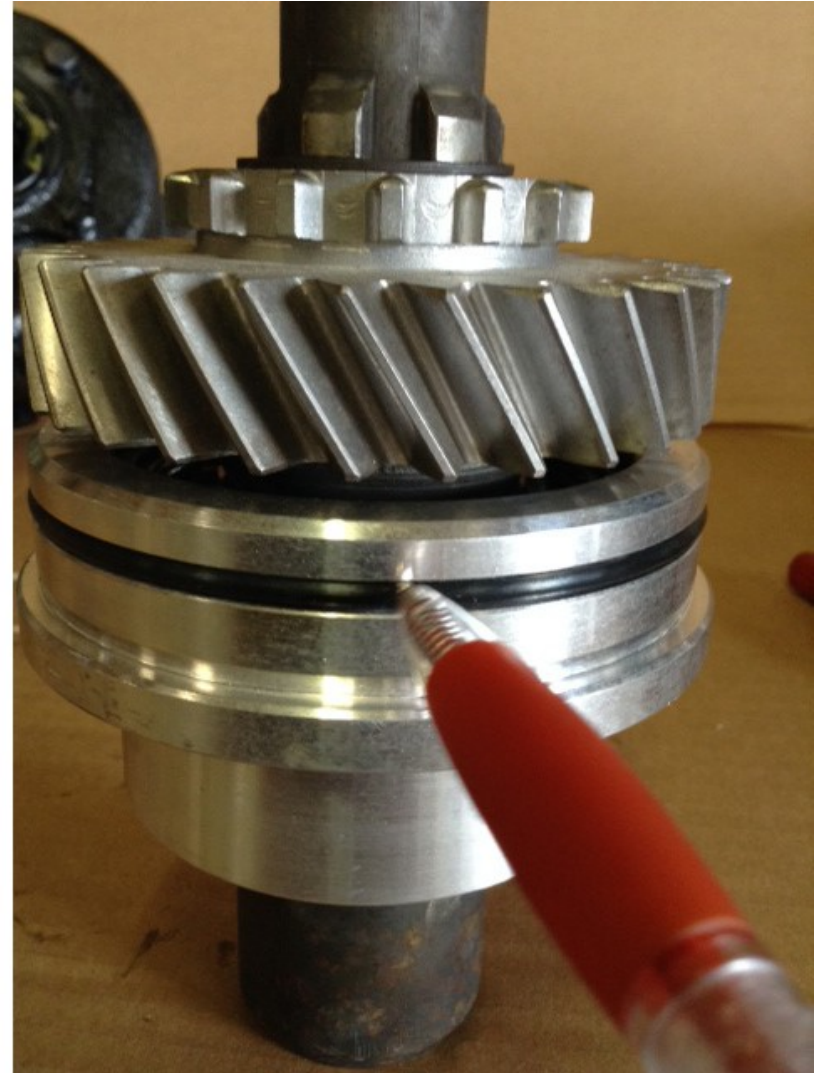
- Slide the adapter gear on the shaft so that the snap ring groove is visible. Note the orientation as shown in picture.

This section for Automatic Transmissions

(some manuals with Advance Adapters kits such as NV3550,



- Install the snap ring into the groove on the coupler shaft. If the gear covers the snap ring groove, the bearing needs to be driven further down the shaft.



NV4500 & NP435 will also use this procedure)

- Install the O-Ring onto the Bearing Retainer

This section for Automatic Transmissions

(some manuals with Advance Adapters kits such as NV3550, NV4500 & NP435 will also use this procedure)



- Notice how the hole in the gasket is NOT large enough to fit the bearing retainer.



- Trim approximately 3/32 thickness from the hole in the center of the gasket.

This section for Automatic Transmissions

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- After trimming, the gasket should be able to slide over the bearing retainer.



- Apply a thin film of grease to the adapter shaft where the pocket bearings will ride.

This section for Automatic Transmissions

(some manuals with Advance Adapters kits such as NV3550, NV4500 & NP435 will also use this procedure)



- Apply more greese to the pocket bearings to hold them in place.
- Apply a thin film of grease where the bearing retainer/o-ring will seat into the transfer case housing.

This section for Automatic Transmissions

(some manuals with Advance Adapters kits such as NV3550, NV4500 & NP435 will also use this procedure)



- Install the bearing retainer assembly into the transfer case housing. Lightly tap on the bearing retainer to seat it with a dead blow hammer. DO NOT hit the shaft!



- Install the gasket. We recommend a thin film of RVT Silicone on both sides of the gasket.
- You are now ready to mount the adapter housing to the transfer case.