



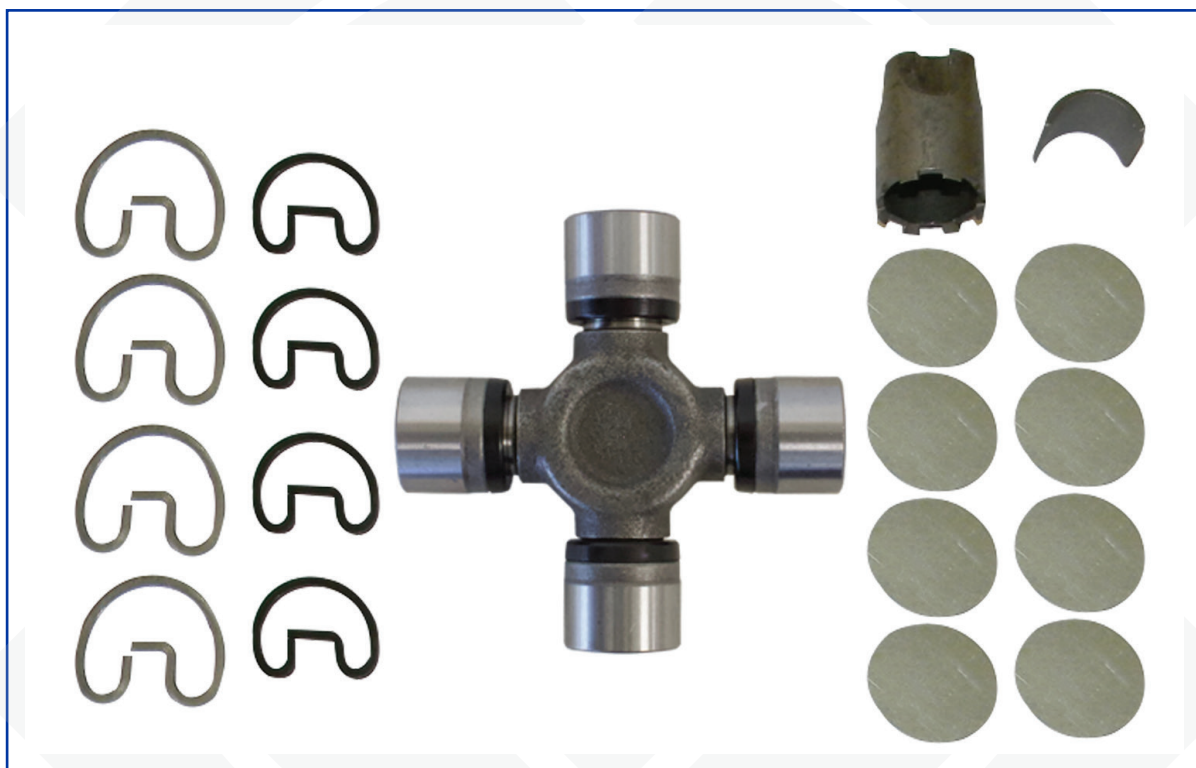
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**universal joint**



## PRECISION 346 Universal Joint + Replacement Kit

### Includes:

- 1 Universal Joint
- Socket cutting tool
- Half-moon sleeve
- 8 Spacer discs
- 4 Black snap rings
- 4 Grey snap rings



### Tools:

- 12 Point Metric Socket
- Cutting Tool (included) with 1/2" Ratchet
- Shop Press
- Fine Wire Brush
- Half Round File
- Emery Cloth
- Grinder with Cutting Wheel
- Rubber Mallet

**For technical support contact 1-800-421-5019**

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### Procedure:

- Lift up the rear of the truck
- Index-mark the driveshaft components
- Remove the four bolts at the yoke, and slide the shaft from the tranny
- Once removed, place the shaft in a vice and use the cutting tool to cut dimples into the yoke
  - \***NOTE**- You need to use a good bit of force. It works well if you use short turns or bumps of the ratchet!

*Staked Joint: Notice the dimpled steel to be cut out*



*Insert the cutting tool and rotate with socket wrench. USE FORCE*



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*Expected results*



- Once all the stakes are cut out, use the press to press out the cups
    - The metal sleeve that is provided in the kit is used to press the cups the rest of the way out
- \*BEWARE-** this sleeve doesn't stay put during the pressing process. You can use a zip tie to hold it in place. Take care to NOT destroy it as it may warp/bend.

*Photos of the sleeve used to press the bearing cap out (with and without zip tie)*



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*After removal, there may still be excess metal material present*



- Prep the yoke and shaft... You can use a half round file to get the remaining metal burrs from the yoke. The cutting tool removes enough to press them out, but leaves burrs behind. You can use an emery cloth to smooth the surface.

*After filing and cleaning*



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- Start pressing the bearing caps onto the Joint inside the yoke, same as you would for a typical Joint replacement
- Once the joint is pressed into the yoke to where the snap rings fit, insert the spacers supplied in the kit, then the snap rings. Use the BLACK thicker ones if you can. If they are too tight, use the GREY ones.

**\*Do not mix the BLACK and GREY snap rings, use one or the other**

*After installing one side,  
note the spacer disc under the snap ring*



- Insert the shaft spline into tranny
  - Use previously made index marks to align the driveshaft components and install the bolts.

*Finished installing Joint into yokes*



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