CAUTION: The bearing caps on these u-joints are thin due to their compact size, take care not to deform them. Do not strike the cap directly with a hammer. Use soft-jaws when pressing on the cap. Do not press in the center of the cap. If any cap is damaged or deformed in any way, a new cross member kit must be used.

Disassembly

1. Mark both yokes for orientation.

2. Remove all four snap rings. If they aren’t easily removed because the cap is wedged against them, tap sharply on the snap ring using a 1/2” socket, then try again to remove.
3. Put the u-joint in a vice with a 13/16” socket over one cap, and a 1/2” socket on the opposite cap. Press until the effort increases.

   **CAUTION:** Pressing too far will cause burring on the bearing bore.

4. Remove the assembly and sockets from the vice.

5. One cap should now be extended from the yoke. Use the vice to clamp tightly on the extended part of the cap. Strike the yoke with a hammer until the cap is removed from the yoke.

6. Press out the opposite cap using a 13/16” socket and a 3/4” bolt. Place the bolt end against the one exposed cross end. Press until the effort increases.

   **CAUTION:** Pressing too far will cause burring on the bearing bore.

7. Strike the u-joint with a hammer. The cross-member should be jarred loose while the cap remains in the yoke.
8. Press the cap out using a 3/4” bolt which is 2 1/2” long, and a 13/16” socket.

9. Inspect the bearing bores of the yoke for burrs. Lightly file the edges to remove any burrs.

**CAUTION:** Don’t file across the bore changing the roundness or the inside diameter of the bore, file only on the edge.

10. Repeat steps 3-7 for the remaining yoke.

11. Remove the cross member.

12. Repeat steps 8-9.

Disassembly complete
Assembly

1. Align the new cross member, yoke, and two caps in a SOFT-JAWED vice.

   Important: Be careful not to lose any needle bearings. They will be pre-lubricated and the lubricant should provide proper retention.

   Press the components together until the caps are almost flush with the yoke. Make sure the cross slides back and forth as you press.

2. Press one cap in using a 1/2” socket, until it clears the snap ring groove.

3. Install the snap ring with the sharp edge out.

4. Press the opposite cap in using a 1/2” socket, until it clears the snap ring groove.

5. Install the second snap ring with the sharp edge out.
6. Align yokes

Align the yokes using the marks you made earlier.

7. Install remaining caps

Repeat assembly steps 1-5 for the second yoke.

8. Seat all four bearing caps

Seat the bearing caps as follows:

A. Support the assembly with one hand on the end yoke.
B. Position the u-joint so that one bearing cap in the other yoke is up.
C. Strike below the bearing cap on the yoke that you’re not holding.
D. Rotate the assembly 180° and repeat for the opposite bearing cap.
E. Rotate the assembly 90° and change your hand position to support the lower yoke. Let all the weight of the component rest on this lower yoke. Position the remaining yoke with your fingers underneath.
F. Strike above the bearing cap on the yoke you’re not holding.
G. Rotate the assembly 180° and repeat for the opposite bearing cap.

9. Check movement

Make sure the u-joint moves freely.

Assembly complete