INSTRUCTIONS: KIENE K-2000 Universal Joint Puller

CAUTION: Before using this device, read and understand these instructions.

INSTRUCTIONS FOR REMOVAL OF UNIVERSAL BEARING CUP:

Ensure that there is proper lubrication on the main screw threads and countersink where the screw fits into the push plate.

a. Remove grease fittings using a 5/16” wrench. If not removed, the fitting may be damaged or damage cable if placed around fitting.
b. Bend locks away from cap screws.
c. Remove cap screws.
d. Screw the alignment studs into the bore where the cap screws were. ALIGNMENT STUDS SHOULD BE SCREWED INTO THE BOTTOM OF THE BORE FOR MAXIMUM STRENGTH.
e. Place rounded ends of cable into the slots on the pull plate.
f. Pass flattened ends of cables around cross arms, keeping cables parallel to alignment stud. Do not cross cables. Place ends into the slots on the pull plate.
g. Tighten main screw using a 7/8” wrench. When cables begin to tighten around cross arms, make sure cables are not on the bearing cap grease retainers.
h. Continue tightening the screw until either the cap becomes loose or the cross reaches the yoke. If the cross does touch the yoke, then the cap has been pulled to its limit. Any further force on the screw will result in damage to the cables. WARNING: if an air wrench is used, extreme care should be taken to ensure that this situation does not occur.
i. Loosen main screw until the cables can be removed from the pull plate.
j. Remove cables from around cross.
k. Remove alignment studs. If either stud is being loosened from the top hex head, make sure that the stud is turning where it enters the cap screw bore. If the stud is not turning, THEN THE STUD MUST BE REMOVED FROM THE HEX HEAD UNDER THE PUSH PLATE using an open end wrench.
l. Remove bearing cup.
m. Repeat procedure beginning with step a on opposite side of universal.

REPLACEMENT OF UNIVERSAL BEARING CUP FOR PROPER ALIGNMENT:

This procedure is to achieve proper alignment of bearing cup within the yoke, without damaging the cup. This procedure is not to be used for complete seating of the cup.

a. Place bearing cup into yoke.
b. Place alignment studs through bearing cup flange holes and into cap screw bores in yoke.
c. Thread studs into bores equal amounts, approximately 3/8”.
d. Place a piece of bar stock between the bearing cap and the push plate. A deep-well socket will serve the purpose.
e. Tighten the screw. Continue until proper alignment is achieved.
f. Replace lock and cap screws.
g. Tighten cap screws to specified torque.