

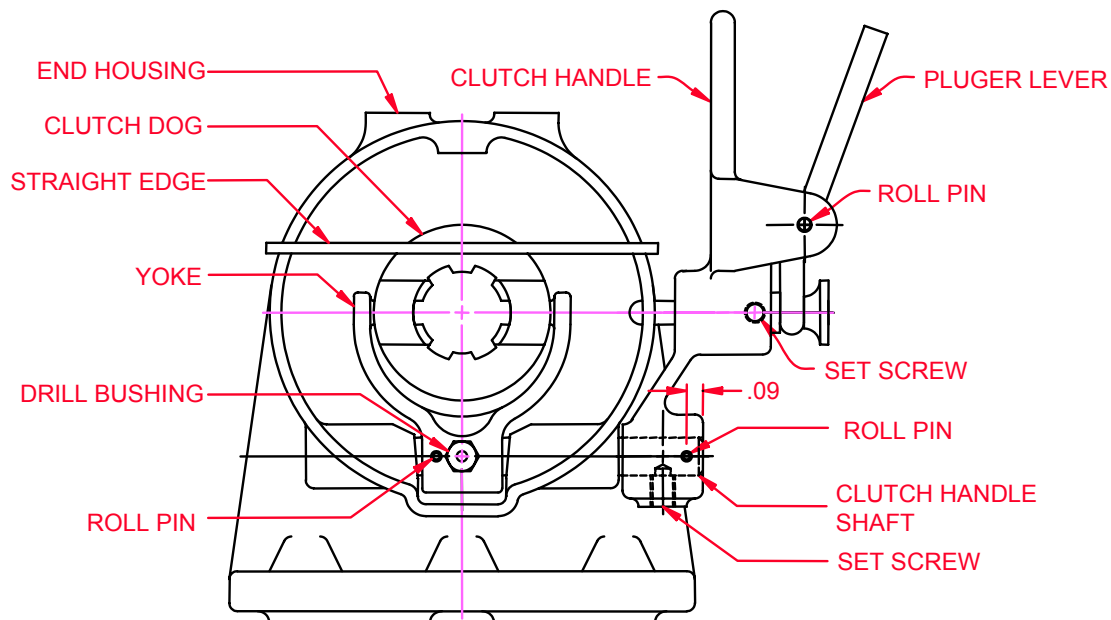
Replacement of Clutch Handle and Yoke



1000C, 1000KC, 1100C & 1200C Series Winches

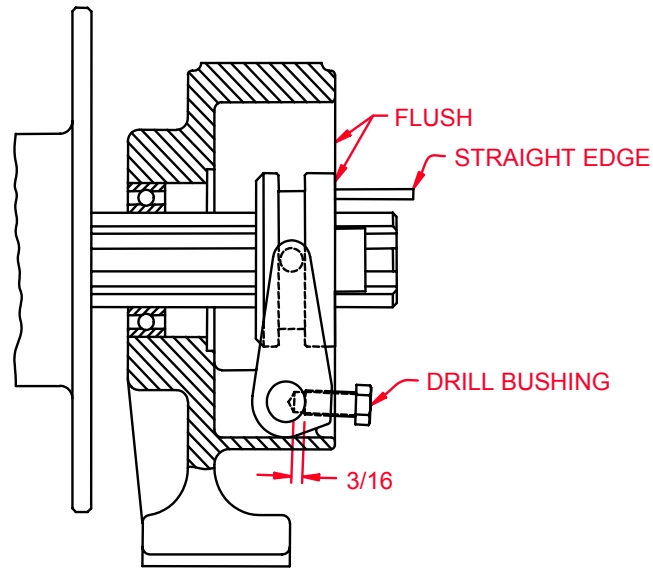
- 1) Remove clutch housing assembly from drum shaft by loosening set screw in eccentric collar, then turn collar counter-clockwise with punch to release it from bearing and shaft. Slip clutch housing assembly from shaft.
- 2) Remove set screw and roll pin from yoke. Remove clutch handle and yoke from end housing. If replacing yoke only, remove set screw, roll pin and shaft from clutch handle. Install new shaft supplied with W-207K yoke kit. Replace self-locking dog point socket set screw making sure dog point enters drilled hole in shaft and secure firmly. Drill a 3/16" hole in shaft through hole in clutch handle. If handle does not already have a drilled hole, locate hole about 1/4" from handle end (Section A). Drive a 3/16" x 1-1/4" roll pin through hole.

Section A



- 3) Install Clutch handle assembly and yoke in end housing. Place end housing with end bearing on drum shaft (without locking collar) in reverse position (Section B). Place clutch dog on drum shaft such that yoke pins run in clutch dog groove.
- 4) Make sure clutch handle pin will engage both holes in end housing. Place clutch handle pin in hole farthest from bearing. Place a straight edge across the face of the housing (Section A) and bring the dog forward until the body portion of the dog is flush with the straight edge and the drive portion extends past the housing face (Section B).
- 5) Without moving the aligned components, install drill bushing into tapped hole in yoke (Section A) and tighten firmly to the shaft. Through the bushing drill a 1/4" hole 3/16" deep into the shaft (Section B). Remove bushing and insert self-locking dog point socket set screw making sure the dog point enters drilled hole in shaft and secure firmly. Drill a 3/16" hole on the side of the yoke opposite the handle (Section B) and drive a 3/16" x 1-1/4" roll pin through yoke and shaft. Remove end housing assembly from shaft.

Section B



- 6) Grease shaft splines and clutch dog groove with multi-purpose lithium grease or equivalent to assure free operation. Place clutch dog, spring and washer on drum shaft. Turn end housing around and slide back on shaft placing yoke in clutch dog groove (Section C). Slide the assembly toward the drum until there is about $1/16$ " clearance between housing and drum. Place collar on bearing making sure it is properly seated on bearing eccentric. Turn collar clockwise with punch until the bearing and shaft are held tight, then tighten set screw. The clutch dog will now be fully engaged into the drum when the clutch handle pin is in the hole closest to the drum. Check that the drum turns freely when the clutch handle pin is in the hole farthest from the drum.

Section C

